

**ARTHROPODS OF FLORIDA  
AND NEIGHBORING LAND AREAS**

**VOLUME 17**

**LEPIDOPTERA  
OF FLORIDA**



**Part 1  
INTRODUCTION AND CATALOG**

by  
**J. B. HEPPNER**

in collaboration with

**W. Lee Adair, Jr.  
H. David Baggett  
Terhune S. Dickel**

**Linwood C. Dow  
Thomas C. Emmel  
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**FLORIDA DEPARTMENT OF AGRICULTURE & CONSUMER SERVICES**

Charles H. Bronson, Commissioner

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**Division of Plant Industry**

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**FLORIDA DEPARTMENT OF AGRICULTURE  
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Front Cover: Florida state butterfly, the Zebra longwing (*Heliconius charithonia* (Linnaeus)).

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# CONTENTS

|  |      |
|--|------|
| Abstract .....   | vi   |
| Foreword .....   | vii  |
| List of Figures .....                                    | viii |
| Preface .....  | ix   |
| Acknowledgments .....                                    | x    |
| Collaborators .....                                      | x    |
| <b>INTRODUCTION</b> .....                                | 1    |
| History of Lepidoptera Studies in Florida .....          | 2    |
| <b>LEPIDOPTERA ECOLOGY OF FLORIDA</b> .....              | 11   |
| Florida Physiography and Geology .....                   | 11   |
| Climate of Florida .....                                 | 14   |
| Natural Ecosystems of Florida .....                      | 17   |
| Gazatteer of Florida Localities .....                    | 29   |
| Lepidoptera Bionomics and Distributions in Florida ..... | 35   |
| Exotic Lepidoptera in Florida .....                      | 39   |
| Lepidoptera Endemic to Florida .....                     | 41   |
| Lepidoptera Pests in Florida .....                       | 46   |
| Pest Name Index .....                                    | 56   |
| Beneficial Lepidoptera in Florida .....                  | 59   |
| Stray Lepidoptera in Florida .....                       | 60   |
| Erroneous Florida Records .....                          | 62   |
| <b>TECHNIQUES FOR LEPIDOPTERA STUDIES</b> .....          | 63   |
| Field Techniques .....                                   | 63   |
| Rearing Techniques .....                                 | 65   |
| Curation of Lepidoptera .....                            | 66   |
| <b>CLASSIFICATION OF LEPIDOPTERA</b> .....               | 67   |
| Lepidoptera Morphology .....                             | 67   |
| Families of Lepidoptera .....                            | 70   |
| Family Name Index .....                                  | 75   |
| Family Common Name Index .....                           | 78   |
| Keys to Lepidoptera Families .....                       | 80   |
| Generic Synopsis of Florida Lepidoptera .....            | 91   |
| Name Changes .....                                       | 110  |
| <b>PLATES 1-55</b> .....                                 | 118  |
| <b>CATALOG OF FLORIDA LEPIDOPTERA</b> .....              | 229  |
| <b>ERIOCRANIOIDEA</b> .....                              | 231  |
| Eriocraniidae .....                                      | 231  |
| MONA 3-13 .....  | 231  |
| <b>NEPTICULOIDEA</b> .....                               | 231  |
| Nepticulidae .....                                       | 231  |
| MONA 43-118 .....  | 231  |
| Opostegidae .....  | 232  |
| MONA 121-125 .....                                       | 232  |
| <b>TISCHERIOIDEA</b> .....                               | 232  |
| Tischeriidae .....                                       | 232  |
| MONA 130-160 .....                                       | 232  |
| <b>INCURVARIOIDEA</b> .....                              | 233  |
| Prodoxidae .....   | 233  |
| MONA 198-200 .....                                       | 233  |
| Adelidae .....   | 233  |
| MONA 227 .....   | 233  |
| Heliozelidae .....                                       | 233  |
| MONA 235-245 .....                                       | 233  |
| <b>TINEOIDEA</b> .....                                   | 233  |
| Acrolophidae .....                                       | 233  |
| MONA 329-383 .....                                       | 233  |
| Tineidae .....   | 235  |
| MONA 261-433 .....                                       | 235  |
| Psychidae .....  | 239  |
| MONA 434-457 .....                                       | 239  |

|                        |                      |     |
|------------------------|----------------------|-----|
| Bucculatricidae        | MONA 484-582         | 241 |
| Gracillariidae         | MONA 592-854         | 241 |
| <b>GELECHIOIDEA</b>    |                      | 244 |
| Oecophoridae           | MONA 866-1072        | 244 |
| Elachistidae           | MONA 1124-1132       | 247 |
| Blastobasidae          | MONA 1135-1214       | 247 |
| Coleophoridae          | MONA 1291-1422       | 249 |
| Momphidae              | MONA 1429-1455       | 251 |
| Cosmopterigidae        | MONA 1467-1644       | 253 |
| Scythrididae           | MONA 1653-1678       | 254 |
| Gelechiidae            | MONA 1682-2310       | 254 |
| <b>COPROMORPHOIDEA</b> |                      | 262 |
| Alucitidae             | MONA 2313            | 262 |
| Carposinidae           | MONA 2314-2317       | 262 |
| Epermeniidae           | MONA 2335            | 262 |
| <b>YPONOMEUTOIDEA</b>  |                      | 262 |
| Glyphipterigidae       | MONA 2336-2346       | 262 |
| Plutellidae            | MONA 2363-2366       | 263 |
| Attevidae              | MONA 2401            | 263 |
| Yponomeutidae          | MONA 2402, 2412-2431 | 264 |
| Argyresthiidae         | MONA 2438-2479       | 264 |
| Lyonetiidae            | MONA 461-478         | 264 |
| Acrolepiidae           | MONA 2490            | 265 |
| Heliodinidae           | MONA 2493-2497       | 265 |
| <b>PYRALOIDEA</b>      |                      | 266 |
| Hyblaeidae             | MONA 6088            | 266 |
| Thyrididae             | MONA 6076-6087       | 266 |
| Pyalidae               | MONA 4716-6073       | 267 |
| <b>PTEROPHOROIDEA</b>  |                      | 305 |
| Pterophoridae          | MONA 6090-6234       | 305 |
| <b>SESEOIDEA</b>       |                      | 308 |
| Sesiidae               | MONA 2513-2623       | 308 |
| Urodidae               | MONA 2400, 2415      | 311 |
| Choreutidae            | MONA 2626-2655       | 311 |
| <b>ZYGAENOIDEA</b>     |                      | 312 |
| Zygaenidae             | MONA 4618-4639       | 312 |
| Lacturidae             | MONA 2404-2405       | 312 |
| Megalopygidae          | MONA 4642-4650       | 312 |
| <b>COSSOIDEA</b>       |                      | 313 |
| Cossidae               | MONA 2659-2694       | 314 |
| Limacodidae            | MONA 4652-4700       | 314 |
| Epipyropidae           | MONA 4701            | 317 |
| <b>TORTRICOIDEA</b>    |                      | 318 |
| Tortricidae            | MONA 2706-3862       | 318 |
| <b>URANIOIDEA</b>      |                      | 336 |
| Epiplemididae          | MONA 7649-7656       | 336 |
| <b>GEOMETROIDEA</b>    |                      | 336 |
| Geometridae            | MONA 6258-7648       | 336 |
| <b>PAPILIONOIDEA</b>   |                      | 359 |
| Hesperiidae            | MONA 3865-4148       | 359 |
| Papilionidae           | MONA 4157-4184       | 367 |
| Pieridae               | MONA 4190-4248       | 369 |
| Lycaenidae             | MONA 4249-4363       | 374 |

|  |                 |     |
|--|-----------------|-----|
| Riodinidae                                       | MONA 4386       | 379 |
| Libytheidae                                      | MONA 4410       | 379 |
| Nymphalidae                                      | MONA 4413-4616  | 379 |
| <b>DREPANOIDEA</b>                               |                 | 388 |
| Thyatiridae                                      | MONA 6240       | 388 |
| Drepanidae                                       | MONA 6254-6255  | 388 |
| <b>BOMBYCOIDEA</b>                               |                 | 389 |
| Mimallonidae                                     | MONA 7659, 7662 | 389 |
| Apatelodidae                                     | MONA 7663, 7666 | 389 |
| Lasiocampidae                                    | MONA 7670-7698  | 390 |
| Saturniidae                                      | MONA 7704-7767  | 391 |
| <b>SPHINGOIDEA</b>                               |                 | 395 |
| Sphingidae                                       | MONA 7771-7894  | 395 |
| <b>NOCTUOIDEA</b>                                |                 | 404 |
| Notodontidae                                     | MONA 7895-8026  | 404 |
| Lymantriidae                                     | MONA 8292-8318  | 409 |
| Arctiidae  | MONA 8038-8287  | 412 |
| Noctuidae  | MONA 8322-11212 | 421 |
| <b>REFERENCES</b>                                |                 | 485 |
| Florida Ecology, Natural History and Naturalists |                 | 485 |
| Taxonomic References                             |                 | 499 |
| <b>INDICES</b>                                   |                 | 541 |
| Hostplant Index                                  |                 | 541 |
| Index to Species                                 |                 | 594 |
| Index to Genera and Higher Categories            |                 | 627 |
| Common Name Index                                |                 | 643 |

## ABSTRACT

The Lepidoptera of Florida are cataloged, totalling 2,941 species, later to be diagnosed and illustrated in the planned 10 part series. This first part includes a general introduction to the Lepidoptera, including the general morphology of Lepidoptera families and keys for their identification, and sections on Florida ecosystems and environment as this relates to the Florida Lepidoptera fauna and its biology. The main text of this first part on Florida Lepidoptera involves a catalog of all verified resident species of moths and butterflies and regular visitor species, excluding erroneous records and rare strays. The catalog is an altered revision of Kimball's (1965) checklist, which was Volume 1 of the *Arthropods of Florida and Neighboring Land Areas* series. Coverage for each species includes the following: the full scientific name and synonyms thereof; any common name known for the species; notation of the current MONA checklist (Hodges, et al., 1983) and McDunnough checklist (1938-39) numbers; indication of the range within Florida, based on biogeographic regions developed for Florida vegetation by West and Arnold (1952) and also used by Kimball (1965), the known range for the species elsewhere; date ranges by month for known adult activity; and known hostplants arranged alphabetically by plant genus and species. Indices include a hostplant index arranged alphabetically for all plant genera, species, and plant names, plus indices for common and scientific names of Lepidoptera. Illustrations include numerous maps and photographs showing the physical and natural environment of Florida, and 55 plates showing more than half of the Florida Lepidoptera species. The introduction includes a review of the family classification and a world-wide key to families. Also included are lists of Florida pest species and their common names, and lists of beneficial, stray, and endemic species. Species recorded in error for Florida are also noted, as are name changes. New synonymies are in Hesperidae (4147), Nymphalidae (4557 and 4576), and Noctuidae (11104). New combinations are in Nepticulidae (113, 115, and 118) and Elachistidae (1124.1 and 1132.2). New status changes are in Lycaenidae (4354), Nymphalidae (4576), Geometridae (6486, 6487, and 6735) and Lymantriidae (8298).

## BIOGRAPHICAL SUMMARY

Dr. John B. Heppner was born November 18, 1947, in Timmendorfer-Strand, a coastal town near Lübeck, north of Hamburg, Germany. In 1954, his parents emigrated with him to New York, moving to San Diego, California, in 1961, where he finished high school in nearby Lakeside. In 1965, he entered the University of California at its new San Diego (La Jolla) campus, then transferred to the Berkeley campus in 1967 to study entomology. At Berkeley, he helped with curation of the insect collection (now called the Essig Museum of Entomology) and came under the influence of Dr. Jerry A. Powell, who first introduced him to the Microlepidoptera. In 1968, he took the summer field entomology course in Arizona, where the Riverside campus of the University of California conducted the course that year. After first completing a B.A. degree in 1970, he finished the B.S. degree in entomology in 1972, and then went to Gainesville, Florida, for graduate studies in entomology at the University of Florida, finishing the Ph.D. in 1978 under the guidance of Dr. Dale H. Habeck. Already in 1976, he was awarded a Smithsonian Institution fellowship to study the collections at the USNM, thus finishing his doctoral research, on the sedge moth family Glyphipterigidae for North America, in Washington. In late 1976 and early 1977, he visited major European museums as part of his research for the revision. In early 1983, after working 4 years at the Smithsonian as Curator of Microlepidoptera, from 1978-82, he accepted a position with the Division of Plant Industry, Florida Dept. of Agriculture & Consumer Services, Gainesville, and currently is Curator of Lepidoptera and Immature Insects. He also is an adjunct professor of entomology at the University of Florida and is a Research Associate of the Smithsonian Institution. He has travelled widely in North America, South America, and Europe, plus parts of Asia, in pursuit of elusive species of moths and to add specimens to the FSCA collections, both for adults and larvae, with major projects in Chile, Hungary, Indonesia, Peru, Romania, Taiwan, and Venezuela, besides Florida. He has had National Science Foundation, National Academy of Sciences, and National Geographic Society grants for Lepidoptera projects in Hungary, Indonesia, Romania and Taiwan, as well as other grants for research. Since coming to Florida in 1972, and then again after 1983, he has surveyed the state for Lepidoptera and added many new records to the state list. He has written nearly 200 papers and books on Lepidoptera. He founded a Neotropical Lepidoptera newsletter in 1987, which became the Association for Tropical Lepidoptera in 1989, and now is editor of their journals and books. In 1997, the 200th anniversary year of the publication of John Abbot's illustrations of butterflies, he was awarded the Abbot Award of the Southern Lepidopterists' Society. He serves on the board of directors of the Association for Tropical Lepidoptera, and is on the advisory boards of Butterfly World (Coconut Creek, Florida), the Sociedad Hispano-Luso-Americana de Lepidopterologica (Madrid, Spain), and Academia Sinica (Taipei, Taiwan).

# FOREWORD

The present catalog gives the first complete update to the 1965 catalog compiled by Charles P. Kimball. It brings together many collection records, particularly of northern species and tropical species newly discovered in Florida since the time Kimball finished his catalog manuscript in 1963. A number of new species have been described since then as well. The present catalog forms a more uniform treatment for each species than what Kimball presented, while future parts will cover each species in more detail. All names and references have been updated to mid-2003. Each species has the same treatment: range in Florida (according to regional codes) and the rest of North America, dates of occurrence of adults in Florida, and recorded hostplants. Since Florida has so many exotic plants in backyard plantings, all known hosts are listed for each species, even if the plants do not grow naturally in Florida.

In the introductory section, the present treatment is more extensive than what Kimball presented in 1965, although some details he noted are not repeated herein. The bibliography includes all references on Florida Lepidoptera up to mid-2003, but is divided to segregate those references only pertaining to the habitats and ecology of Florida, and the history of Lepidoptera studies in Florida, from those references referring to the species themselves. The indices are likewise divided so names can be more easily located: common names, species, and genera being in separate indices. All hostplants listed herein are indexed by the MONA (*Moths of America North of Mexico*) species number for Lepidoptera: the MONA catalog number is still used herein since no more current catalog is available yet, even though the family arrangement has been altered somewhat since the 1983 MONA catalog. The second part of this series on Lepidoptera will provide a cross-index to Lepidoptera by hostplant name, noting the type of feeding each lepidopteran is known to do on each host.

**JOHN B. HEPPNER, Ph.D., Series Editor**

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Bureau of Entomology, Nematology, and Plant Pathology

Division of Plant Industry

Florida Department of Agriculture and Consumer Services

# LIST OF FIGURES

In the plates section (p. 118), all of the plates Kimball (1965) included are reproduced for this edition but none are in color. The added butterfly plates 21-24 and 26-33 are previously unpublished plates prepared by Kimball, but which were not used in his 1965 work (locality data for the specimens illustrated on these plates could not be located in Kimball's notes). All his color plates are reproduced herein somewhat enlarged and in black and white from original prints. Plates 1-4, 6-7, 10-15, 17, 19, 44, 51, and 54, are newly composed for this edition. The plates are renumbered from the 1965 sequence and follow the current catalog listings as much as possible.

The figures in the introductory text are as follows:

1. New River (Ft. Lauderdale), 1884 - p. 5
2. Miami River (Miami), 1884 - p. 5
3. Indian Creek, Miami Beach, 1885 - p. 6
4. Charles P. Kimball - p. 7
5. Stanley V. Fuller - p. 8
6. Frank W. Hedges - p. 8
7. Harry O. Hilton - p. 8
8. John M. Plomley - p. 8
9. George W. Rawson - p. 8
10. Charles F. Zeiger - p. 8
11. Topography of Florida - p. 12
12. Pleistocene sea levels of Florida - p. 13
13. Quaternary sea levels of Florida - p. 13
14. Relict shorelines in Florida - p. 13
15. Monthly rainfall at Florida sites - p. 15
16. Annual precipitation totals - p. 15
17. January rainfall average - p. 16
18. April rainfall average - p. 16
19. June rainfall average - p. 16
20. September rainfall average - p. 16
21. November rainfall average - p. 16
22. Average first frost lines - p. 16
23. Average last frost lines - p. 16
24. Temperate hardwood forest map - p. 18
25. Pine flatwoods map - p. 18
26. Scrub and pines map - p. 18
27. Scrub sites map - p. 18
28. Marshlands map - p. 18
29. Florida rivers map - p. 18
30. Lakes map - p. 18
31. Florida physiography map - p. 19
32. West Florida topography - p. 20
33. West Florida regions map - p. 20
34. North Florida topography - p. 22
35. North Florida regions map - p. 22
36. East Florida topography - p. 23
37. East Florida regions map - p. 23
38. Central Florida topography - p. 24
39. Central Florida regions map - p. 24
40. South Florida topography - p. 25
41. South Florida regions map - p. 25
42. South Florida regions and locations - p. 26
43. Florida biogeographic regions map - p. 28 (also p. 228)
44. Southeastern distribution type - p. 36
45. Eastern U.S. distribution type - p. 36
46. Mid-South distribution type - p. 36
47. Eastern N. Am. distribution type - p. 36
48. Northern distribution type - p. 36
49. Florida distribution type - p. 36
50. Tropical distribution type (Keys) - p. 37
51. Tropical distribution type (S. Fla.) - p. 37
52. Head morphology - p. 68
53. Eye features - p. 68
54. Head and antennal morphology - p. 68
55. Body morphology (dorsal) - p. 68
56. Legs - p. 68
57. Antennal types - p. 68
58. Wing morphology - p. 68
59. Wing maculation terms - p. 68
60. Wing venation terms - p. 68
61. Body morphology (lateral) - p. 69
62. Female genitalia - p. 69
63. Male genitalia - p. 69
64. Pupal morphology - p. 69
65. Larval head morphology - p. 69
66. Larval body morphology - p. 69

Plates 1-55: pp. 118-227 (life size except as noted)

Front Cover: after Edwards 1862-97.

# PREFACE

It has been 38 years now since the publication of Kimball's (1965) *The Lepidoptera of Florida, an Annotated Checklist*, volume 1 of the series, *Arthropods of Florida and Neighboring Land Areas*. Considerable information on Florida's lepidopteran fauna has accumulated since 1965, much of it recorded by Kimball himself prior to his death in 1982. Many new Florida records have been recorded since then, as well as distributional, flight period and hostplant data. Listed herein are 2,941 species having verified records for Florida. Most families have a higher species count than in 1965, but butterflies are reduced to 189 species due to the exclusion of several species which were erroneously recorded for Florida or are very rare strays not normally part of the Florida fauna (see p. 62 for a list of these species). The present project began in 1983.

The catalog is the first part of 10 planned volumes on the Lepidoptera of Florida. Future parts in the Lepidoptera series are expected to be as follows: Part 3, Microlepidoptera 1 (Eriocranioidea to Yponomeutoidea); Part 4, Microlepidoptera 2 (Pyraloidea, Pterophoroidea); Part 5, Microlepidoptera 3 (Sesioidea, Zygaenoidea, Cossioidea, and Tortricioidea); Part 6, Geometroidea; Part 7, Papilionoidea, Bombycoidea and Sphingoidea; Part 8-9, Noctuoidea; and Part 10, General Index and Distribution Maps. Part 2 will be the hostplant cross-index to Lepidoptera species by feeding habit. The future detailed parts will illustrate all Florida species of moths and butterflies, but the present part also has illustrations of 1697 specimens on 55 plates: the 26 plates from Kimball (1965) and 29 added plates illustrating additional species not illustrated previously. Included herein are 12 butterfly plates Kimball had set up but did not get into his 1965 book: unfortunately, the specimen data for these plates could not be located among his manuscript notes, so the plate legends have this data missing. Users will be able to find illustrations for other species in the North American field guide to moths by Covell (1984), which most amateurs and students will probably have available for reference. Illustrations herein are in black and white; color figures are expected for the future family treatments.

The present catalog to the Florida lepidopteran fauna includes introductory notes on Lepidoptera ecology, morphology and classification, thus providing a compendium of information on Florida and its Lepidoptera fauna within one volume, and also serves as the introductory part for the planned series on Florida Lepidoptera. The catalog uses the 1983 North American MONA catalog numbers (Hodges, 1983), but with some families rearranged according to more modern usage following Heppner (1996, 1998) and other references. Thus, some MONA numbers are not in sequence: any numbers that cannot be located easily can be noted in the Table of Contents, or the genus can be found by page number in the generic index.

Hopefully, the present work will provide a further basis for increasing our knowledge of the Florida fauna, primarily by showing the gaps in our knowledge. Of the 2,941 resident Lepidoptera species recorded for Florida, nearly a third (882 species) lack any kind of hostplant data or other biological information.

Gainesville, Florida  
August 2003

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## ACKNOWLEDGMENTS

Numerous collectors of Florida species, both visitors and resident, have been cooperating in the revision of Kimball's (1965) checklist through the recording of label data from Florida specimens. All such data on Florida species coming from collectors is being organized and will be noted in detail in the future parts on individual families and species. Thus, many individuals who have contributed data sheets on Florida specimens in their collections will be specifically acknowledged at the time the data is presented in future parts. Also to be thanked are the many inspectors of the Division of Plant Industry around the state who over the years have discovered many new locality and hostplant records for Florida Lepidoptera (DPI has records going back to 1915). Among present inspectors, Kenneth L. Hibbard and Lynn D. Howerton, inspectors in the Miami and Florida Keys region, made special efforts to rear many unusual or unknown moths in their areas.

In addition to the work of the collaborating authors in obtaining records of Florida species, the following are acknowledged herein as having made significant contributions, either through specimen records or review of various families:

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# INTRODUCTION

Standard references for the study and identification of Florida Lepidoptera have been the annotated and illustrated checklist of Kimball (1965) and the older list of Grossbeck (1917). Together with the series on New York Lepidoptera by Forbes (1923-60), which also serves as a reference for most of the eastern United States due to the wide distribution of many New York species, and the older general works by Holland (1898, 1903, 1931), these works allow many of our species to be identified, although the lack of illustrations for most species still makes this difficult. The butterflies, however, have been well covered by Klots (1951), Opler (1992), and Opler and Krizek (1984), for eastern species, and by the works for all of North America by Holland (1931), Howe *et al.* (1975), and Scott (1985). More recently, there have appeared books on Florida butterflies, notably by Gerberg and Arnett (1989), Minno and Emmel (1993), Emmel (1997), Minno and Minno (1999), and Daniels (2000). There also is the butterfly checklist by Calhoun (1997b). The moth field guide for eastern North America by Covell (1984) has greatly added to the number of species, including Florida Lepidoptera, that can be identified without too much difficulty. The North American checklist (Hodges, *et al.*, 1983) which supercedes the McDunnough (1938-39) list, and the many years since Kimball's (1965) work, prompts a revision of the Florida list and also is the beginning of a series on all known Florida Lepidoptera.

The *Arthropods of Florida and Neighboring Land Areas* series has the goal of detailed coverage of all Florida arthropods: Kimball's (1965) list was the first volume thereof. Although future parts will diagnose and illustrate all Florida Lepidoptera, the present part provides a new Florida catalog, revised hostplant data, and introductory sections covering Florida Lepidoptera in general and keys to families. In the strict sense, the present work is not a revision of Kimball (1965), since the detailed locality records have been removed and reserved for the future parts covering each species, but it is an altered form of Kimball's foundation work. Many records of new hosts or added Lepidoptera species that Kimball recorded during the years since 1965, as well as other records and more recent information, are added to the new Florida catalog. Many collectors have helped in recording new Florida records and hostplant data. Additionally, all the hostplant records of the Bureau of Entomology, Division of Plant Industry, Florida Department of Agriculture and Consumer Services, Gainesville, have been checked again since Kimball's (1965) study.

In an effort to consolidate and distill information on Florida's ecosystems and climatic factors as they apply to Lepidoptera, a fairly extensive ecology section follows, primarily for the benefit of amateur collectors and students. The section on the classification of Lepidoptera covers basic Lepidoptera morphology, the most up-to-date arrangement of families and a key to families (adopted from Heppner 1996, 1998). The diagnoses and keys to families should allow users of this list to identify Florida specimens at least to family level.

The catalog follows the most recent North American checklist, the so-called MONA checklist (Hodges, *et al.*, 1983) after the series, *The Moths of America North of Mexico*. A few families are moved to reflect more recent changes in classification, following the family classification of Heppner (1996, 1998). An index to plant names lists all plants alphabetically.

The catalog only lists verified Florida residents or regular visitors. Unique strays and erroneous reports or other errors are not listed but are noted under "Erroneous Florida Lepidoptera Records" (p. 62), primarily to note the names of these species and to explain the reasons for not including the species in the checklist. Inasmuch as southern Alabama and southern Georgia have been very little collected to the present day, the checklist also does not include some northern species which logically could be expected in Florida. Kimball (1965) noted many new species or unidentified species from Florida or with Florida records, but since there are numerous other undescribed species in the Florida fauna, many of these unnamed species are not included in the present list; it is hoped that most of these unnamed species will be described in future papers, or else by other specialists, before the detailed texts are completed.

The present catalog lists 2,941 species recorded from Florida. Undescribed species, mostly among the leafmining Microlepidoptera, should boost this total to over 3,000 species. This is one the more diverse Lepidoptera faunas in the United States, after Arizona, New Mexico and Texas, which have higher diversity due to southern intrusions of Mexican species and northern intrusions of Rocky Mountain species. Florida has many tropical species from the Caribbean in its southern fauna but few northern species, since most only get as far south as the mountains of northern Georgia and Alabama. A few northern and some tropical species are listed as strays (see p. 60), but rare strays recorded perhaps only once in the last 100 years are not in the main catalog (see p. 62).

## HISTORY OF LEPIDOPTERA STUDIES IN FLORIDA

A rather detailed account of most all known Florida visitors and residents who collected Lepidoptera over the years has been given by Kimball (1965). A summary is provided below, with added notes.

### Early Period

Although the early Spanish explorers and settlers, as well as the observant Indians of the area surely were aware of many Florida moths and butterflies, we have no records for any Florida species until over 200 years after the first Spanish landings in Florida.

Already in 1565, St. Augustine was founded as the first European permanent settlement in North America. As early as 1567, the Spanish established a mission at the Indian village of Téquesta, where Miami is today, but the Jesuit mission was abandoned in 1572. In later years, Spain established a number of missions in northern Florida, nearer St. Augustine, but not again in South Florida. Later, there were some fishermen resident on Key Biscayne, mostly from the Bahamas, but few long suffered the insects and diseases prevalent, and the hostile Indians.

Early 18th century travellers who noted the natural history in the colonies only ventured as far south as the Carolinas (Weiss, 1936). Florida was under Spanish control until 1763, then again from 1783 to 1821 (Florida was ceded to the U.S. by the treaty of 1819 but Spain retained control until 1821). During the years 1763 to 1782, East Florida and West Florida were actually the 14th and 15th American colonies of England. With the treaty of 1783 that ended the Revolutionary War, only 13 colonies remained, since Florida was returned to Spain as part of the treaty (Spain took over in 1784).

The hostile Indians and tropical diseases prevalent in Florida at the time, in addition to Spanish control, kept visitors away. The disease situation continued largely unchanged to after 1890. Whoever did stop in Florida may well have collected some butterflies, since many travellers did this for naturalists back in Europe. Consequently, it is possible some of the species described as from the "West Indies" could have come from Florida, but there are no records to confirm this. Spanish naturalists also are not recorded as having visited Florida.

The earliest notes (mainly illustrations) of Florida insects may have been recorded by Mark Catesby (c.1679-1749). Catesby illustrated numerous plants and animals from his travels in the southern parts of the United States during the years 1712-19 and 1722-26. His book describes the nature of "Carolina, Florida and the Bahama Islands" (Catesby, 1729-47), but what time he spent in Florida is unclear, being mostly in Virginia and the Carolinas. During the years he was in North America, "Florida" went as far north as what now is

southern Georgia, to the Altamaha River, and included the southern parts of Alabama and Mississippi as "West Florida."

In 1670, Spain and England agreed on the northern boundary of "Florida" to just south of Charleston, South Carolina, but effective Spanish control mainly centered around St. Augustine and Pensacola. Whatever the official borders agreed upon by treaty, English settlers pushed south without meeting effective resistance from Spanish authorities in Florida. Thus, in 1721, South Carolina became an English colony, and in 1732 Georgia became an English colony, putting the border of Spanish Florida at the Altamaha River, although the British quickly advanced south to the St. Mary's River. Since Florida south of the St. Mary's River was more strictly under Spanish control in those years, it is unlikely that Catesby even visited St. Augustine, the capital of Spanish East Florida (founded in 1565, after the first landing of 1519), and probably went no further south than the Altamaha River. In 1767, the Florida border was fixed in the east at the St. Mary's River, as it is today. Catesby mainly illustrated and took notes on the plants and larger animals he found, but there are occasional illustrations of various insects (McBurney, 1997).

The first accounts of Florida Lepidoptera are usually attributed to William Bartram (1739-1823) and the insect notes he made during his 1773-76 travels in Florida, Georgia and the Carolinas (Bartram, 1791), but it was his father, John Bartram (1699-1777), who made an earlier trip with the young William to parts of northern and eastern Florida during 1765-66, during the British occupation of Florida; the expedition report was published by John Bartram in 1766. They travelled to St. Augustine, south on the St. Johns River as far as south of Lake Jessup near the headwaters of the river, and into the interior as far as present-day Gainesville and near the Gulf Coast at Manatee Springs, before returning to St. Augustine and back north. They did not go to West Florida, with its capitol of Pensacola (founded in 1698, although a fort was built already in 1559). What Lepidoptera specimens the Bartrams may have taken is not known. Undoubtedly, they captured at least some butterflies, since many persons in colonial America were sending butterfly specimens back to Europe.

As for William Bartram, Kimball (1965) gives a quote from Bartram's notes about seeing three species of butterflies on the East Coast of Florida during his 1773-76 travels there, along what he called the "South Musquito River." It is unclear exactly where Bartram made these observations, since he went only as far south as Blue Springs in present-day Volusia County, but Kimball (1965) thought the species involved included the zebra (*Heliconius charithonia*), the tiger swallowtail (*Papilio glaucus*), and possibly the Southern white (*Ascia monuste*). From the simple descriptions given by Bartram, the third species, however, of

a white butterfly with black markings and ventral terminal crescents of blue and crimson, it seems clear that Bartram was referring to the zebra swallowtail (*Eurytides marcellus*), and not the Southern white. In any case, there is no record to indicate that Bartram took any specimens that might then have been sent to Europe for study, although he likely did.

Less well known is Bernard Romans (c.1720-1784), another early naturalist who travelled in Florida, noting much of the natural history of the region. His account was published in 1775. Romans was born in Holland and came to America in 1757. By 1766 he was engaged in surveying the Atlantic Coast of East Florida, going as far south as the Dry Tortugas; he noted the Miami River as the Ratonos River. From 1769-73, he surveyed West Florida coasts, from the southeast to Pensacola. His travels and reports appear to make him the first to give detailed descriptions of the southernmost regions of Florida.

During the Revolutionary War, among the German Hessians the British brought to America, there was the surgeon Johann D. Schöpf (1752-1800). After the peace treaty was signed in 1783, Schöpf travelled extensively in the eastern United States, as far south as northeast Florida, and then went to the Bahamas before returning to Germany in 1784. He made numerous natural history observations but mainly concentrated on botanical studies, published in his travelog of 1788. His Florida observations, however, were all restricted to the St. Augustine area, whereafter he went straight to the Bahamas where all his tropical observations were made.

During these years before 1800, John Abbot (1751-1840), of Georgia, was also active, collecting many species that also occur in Florida, although his collecting appears to have been mostly restricted to Screven County (spelled "Scriven" in older works), Georgia, which is on the border with South Carolina. Species collected by Abbot were described by James E. Smith (1759-1828) in their joint book (Abbot and Smith, 1797). Some of Abbot's specimens seem also to have gotten to other specialists besides Smith, since lepidopterists like Jacob Hübner (1761-1826), in Germany, also described species from "Florida," which in those days included southern Georgia (Clark, 1950).

An early expedition to Florida was attempted by a group of prominent naturalists from Philadelphia in 1818. Led by William Maclure (1763-1840), the party included Thomas Say (1787-1834), George Ord (1781-18??), and Titian R. Peale (1799-1885). The trip began on the southern coast of Georgia and included north-eastern Florida to St. Augustine, but was terminated early due to hostile Indians. Say was the great-grandson of John Bartram. No report was published but numerous specimens were collected, undoubtedly including some Lepidoptera. Peale later began an illustrated series entitled *Lepidoptera Americana* (1833), but only the first issue of 12 colored plates was ever published and

it is not known if any of the illustrated specimens came from Florida. Peale visited Florida again in 1824-25, going as far south as Key West. Peale had a lifelong interest in butterflies and made paintings of various species for his planned *Butterflies of North America* (unpublished).

John J. Audubon (1785-1851) was in Florida in 1831-32, and among his paintings of birds there are scattered insects, including some butterflies. The study by Alice Ford (1952) indicated that some of Audubon's insect samples came from a supplier in New Orleans, where he had been in earlier years, but Kimball (1965) noted that some of his illustrations may have been made of insect subjects seen in Florida. As Ford (1952) notes, Audubon had met Maria Martin in Charleston, South Carolina. In the period of 1833-36, she made many of the plant and insect sketches Audubon later incorporated into his paintings. Martin obtained at least some butterflies from the botanist Thomas Nuttall, who collected some butterflies and other insects during his Florida travels, since he brought these to Charleston for her butterfly collecting friend, the Rev. John Bachman. At least two species Martin drew (*Battus polydamas* and the black witch moth, *Ascalapha odorata*) can be found in the Miami area, but they also can stray north along the coast. Audubon travelled to St. Augustine and South Florida, mainly Key West and Cape Sable, staying at Key West for some months. His descriptions of Florida are noted in his journal (Audubon, 1832-39).

Miami was not settled until the late 1800s, although a lighthouse was built in 1825 on Key Biscayne, what was then called Cape Florida. Fort Dallas was built on the site of present-day Miami, on the north side of the Miami River, during the second Seminole War, in 1838. The U.S. Navy had already established a naval base at Key West in 1821 when Spanish authorities left Florida. Key West only had a few settlers until 1822, when more Americans arrived. The island was largely forested until 1837, when the city was laid out. Key West remained the largest Florida city for decades, until Jacksonville grew in size after 1900.

A number of forts were built in central and southern Florida during the Seminole Wars (1835-42 and 1855-58), and this helped bring settlers into southern Florida, but no detailed records are available of any naturalists visiting any of these southern forts. Most of the forts became the sites of present-day cities, some of which maintain the old name: for example, Ft. Drum, Ft. Jupiter (now called Jupiter), Ft. Lauderdale, Ft. Meade, Ft. Myers, and Ft. Pierce. Also, there were forts at Cape Sable, called Ft. Poinsett (1846), and on the Dry Tortugas, called Ft. Jefferson (1846), the latter still standing.

Edward Doubleday (1810-1849) travelled in Florida during 1837 and 1838, collecting specimens mostly at St. Johns Bluff (south bank of the St. Johns River at Jacksonville), possibly also at St. Augustine. Kimball (1965) also notes specimens taken by a Dr. Leitner in

1836. Dr. Edward Leitner lived in Charleston and made botanical trips to Florida in 1836 and 1838. He was shot by Indians at Jupiter Creek, Florida, in 1838 (Proby, 1974).

Philip H. Gosse (1810-1888) wrote on the insects and natural history during his stay of several months in Alabama in 1838 (see Gosse, 1859). Less known are his brief notes on the Florida butterflies he encountered during his one-day stop at Boca Grande, in the Marquesas Keys, in the spring of 1838, on the way to Mobile (Heppner, 2001).

### Late 1800s

After the Civil War ended, early visitors to Florida found easier access with the increasing rail lines, with the earliest ones going across northern Florida to Tallahassee, Apalachicola and Cedar Key by 1860. Pensacola was not connected by railroad until 1883; Tampa in 1884; Titusville in 1893, and Miami in 1896. The first rail line in Florida was finished in 1837, from Tallahassee south to the Gulf Coast at St. Marks. South Florida was undeveloped and largely unpopulated. In the Miami area, William Brickell settled at what later was known as Brickell Hammock, in 1871, and started growing citrus. Civil War veterans bought Ft. Dallas and planted bananas, but this proved unsuccessful, and the land was later sold to E. D. Sturtevant, father of Julia Tuttle, an early promoter of Miami. The Miami area remained forested for the most part until becoming incorporated, with the coming of the railroad in 1896.

Early visitors included A. W. Chapman, who collected Lepidoptera in West Florida, at Apalachicola in the late 1860s. The specimens of both Charles Dury, of Cincinnati, Ohio, who made a trip to northern Florida in 1875-76, and of A. W. Latimer, of Georgia, who made periodic visits to Apalachicola in the 1870s and 1880s, were sent to H. Strecker and W. H. Edwards to study for their butterfly research. Charles J. Maynard (1845-1929) visited Florida many times from 1868 to 1901. In his butterfly book, Maynard (1891) made note of some species from Florida. Roland Thaxter (1858-1932) was another early collector who visited Apalachicola and other areas, including Miami, from 1875 to 1897. Likewise for Albert Koebele (1852-1924), who collected at Apalachicola and elsewhere, from 1881 for some years. Koebele placed a sale notice for Florida specimens in 1881.

In 1869, William Wittfeld (1828-1913) settled in Florida at a locality he called Indian River. Kimball noted early label records for "Indian River," indicating they might refer to an Indian village named Indian River City in southern Brevard County, but such records probably are from Wittfeld specimens, from his home on the Indian River, just south of Georgiana, Merritt Island, Brevard County (Calhoun, 1994). Some Indian River specimens may also have come from the vicinity of the Indian River Hotel at Rockledge, north-

ern Brevard County. In the biographical paper on Wittfeld by Calhoun (1994), it is noted that he was the only resident collector in Florida at the time, and already by 1880 Wittfeld started collecting butterflies on his Indian River property to supply Florida specimens to W. H. Edwards, Henry Edwards, and B. Neumoegen. Specimens later went to other specialists as well, both in the United States and Europe. Wittfeld collected until about 1894.

South Florida had other early visits from various collectors, including William W. Hill (1833-88), who collected at Rockledge (Brevard Co.) in 1884; Eugene A. Schwarz (1844-1928), who collected some Lepidoptera as early as 1875; W. Beutenmüller (1864-1934) and Charles Palm (1836-1917), during 1887; H. G. Dyar (1866-1929), who collected at Palm Beach and Lake Worth in 1890 and in 1900; and David M. Castle (1842-1924) and Philip Laurent (18??-1942) who collected in Florida in 1896, 1897 and 1903. Charles W. Johnson (1863-1932), collected in St. Augustine from 1880-88. Herbert K. Morrison (1854-1885) collected extensively in western states in earlier years, then selling these collections, he collected in Florida during 1884 and Key West in 1885 (he died in North Carolina in June 1885 after he contracted dysentery at Key West earlier in the year).

Annie T. Slosson (1838-1926) made a number of yearly winter visits to Florida after about 1878 and even published on some species. She collected mainly at Fernandina Beach, Suwannee Springs, Ormond Beach, Port Charlotte (Punta Gorda), Lake Worth, and Biscayne Bay, with stops at many other sites, until about 1915. Slosson was one of the last Lepidoptera collectors to see areas of Florida still in their original natural splendor. Ten species of Lepidoptera are named after her, based on specimens she collected in Florida. Barbour (1944) wrote about some of the natural settings of South Florida before development changed the area after 1900 (see Fig. 1-3).

### Early 1900s

With the completion of the East Coast railroad to Miami in 1896, and to Key West in 1912, South Florida was more easily visited. The rail line to Key West was abandoned after the hurricane of 1935 in favor of a highway. Miami Beach remained undeveloped even after a bridge was built in 1913, and did not see much change until 1915. Key West remained the second largest Florida town, after Jacksonville, until 1917, when Miami greatly increased in size.

John A. Grossbeck (1883-1914) organized four expeditions to Florida for the American Museum of Natural History between 1911 and 1914. Kimball (1965) notes that the first trip included William T. Davis (1862-1945) in 1911. In 1912, Davis, Joseph Mattes and James H. McDunnough (1877-1962) joined Grossbeck. In 1913, only Davis went to Florida. The



Fig. 1. View of the New River, 1884 (site of present-day Ft. Lauderdale) (photo by W. Monroe; after Barbour, 1944).



Fig. 2. View of the Miami River from Brickell Point, 1884 (site of present-day Miami) (photo by W. Monroe; after Barbour, 1944).



Fig. 3. Indian Creek, Miami Beach, in 1885, showing a large saltwater crocodile and a hunter (photo by W. Monroe; after Barbour, 1944).

1914 trip was made by Frank E. Watson (1877-1947) and A. J. Mutchler, who went to North Florida, from Jacksonville to Pensacola. The results of these expeditions provided material for the first list of Florida Lepidoptera, compiled by Grossbeck and edited by Watson (1917), due to the death of Grossbeck in 1914.

Other collectors from these years and earlier, some being noted in the Grossbeck list, included the following: G. C. Fisher, who visited Quincy in 1907, Apalachicola in 1908, Lake Wimico near Apalachicola during 1909, DeFuniak Springs in 1909 and 1910, and Tallahassee in 1916; Charles E. Sleight (1860-1917), who made some Florida collections; and William Palmer, who collected birds in Florida for the Smithsonian during some visits and evidently some Lepidoptera before 1914 that Grossbeck was able to study. S. B. Walker collected in Ft. Myers and published a brief list of local butterflies in 1918.

Willis S. Blatchley (1859-1940), the well known coleopterist from Indiana, stayed in Florida most winters after 1900, mostly at his winter house in Dunedin, in the Tampa area. He wrote several books about the nature of Florida and elsewhere during these early years (his works of 1902, 1931, 1932, deal with Florida). Just before his death he was involved in a survey of Paradise Key, Dade County. Blatchley visited many parts of Florida as early as 1899 and collected at places like Brickell Hammock and Miami Beach just before their development, while these sites were still in their original state.

Other early collectors, or visitors, were Andrew N. Caudell (1872-1936), W. S. Dickinson of Miami, Jacob Doll (1847-1929), G. H. French (1841-1935), John L. Healy (1864-1926), J. W. P. Jenks, R. Ludwig, Frank

Merrick (1844-1912), A. L. Quaintance (1870-1958), Ernest R. Sasscer (1883-1955), Otto Seifert (1848-1910), Francis C. Snow, Henry Thurston, Henry F. Wickham (1866-1933), and Roswell C. Williams (1869-1946). Kimball (1965) notes a number of other persons as collectors of some Florida specimens before 1920, but nothing more is known about them.

By the early 1920s, much of Florida had more roads and became even more accessible for visitors and residents alike, and had fewer disease problems. W. H. Safford (1917) noted some Lepidoptera in a natural history paper on Paradise Key (the south Dade County upland area also known as Royal Palm Hammock and Long Pine Key) and the Everglades. H. L. Dozier (1920) reported on some Lepidoptera taken in Gainesville during 1916-17. Herbert F. Schwarz (1883-1960), Frank E. Lutz (1879-1943), and E. Irving Huntington (?-1962) collected in southern Florida in 1923. Among resident collectors, one of the main persons to note would be Marguerite S. Forsyth (1889-1952), who moved to Florida in 1923 and sold specimens from Florida City (Dade Co.) to collectors and dealers in the 1930s and 1940s. Another commercial collector was Mrs. Florence M. Grimshawe (1897-1983), of Miami, who began selling butterflies during the 1930s.

Before 1932, much material made its way to collectors and museums labelled "Chokoloskee" or "Marco." Many of these specimens were evidently obtained from the Caribbean and South America, and then relabelled as Florida specimens by a dealer in the little Gulf Coast town of Chokoloskee, in Collier County (Marco Island is nearby). Some Caribbean species could have been collected there as strays, but all older specimens (labelled as noted) are questionable. However, there are

many valid old Chokoloskee specimens as well: for example, J. H. McDunnough collected there in 1912 for W. Barnes.

George D. Morgan collected butterflies in the Tampa Bay area and published a list in 1933. Henry T. Fernald (1866-1952), the Tortricidae specialist, moved to central Florida in 1928, and began collections of moths for many years until his death in 1952. John R. Malloch (1875-1963) collected at Vero Beach for a number of years. Frank M. Jones (1869-1962), collected in Florida a number of times from 1921-42, mainly at Paradise Key (Royal Palm Hammock, Dade Co.), and published a few papers on Florida species. In 1936, a survey of the Dry Tortugas was made by H. H. Plough. The Cornell professor, William T. M. Forbes (1885-1968), author of the well-known books on the Lepidoptera of New York, made trips to South America in 1920 and 1927, and to Puerto Rico in 1930, and undoubtedly also did some collecting in Florida, although precise dates are not known. Forbes published on specimens he received for study from the Dry Tortugas survey of 1936 (Forbes, 1941).

Thomas Barbour (1884-1946) and Marston Bates (1906-1974) collected butterflies in Florida since the early 1900s. Barbour (1944) noted some butterflies in his book on early Florida and the natural habitats he saw, having first visited South Florida in 1898. Barbour documented some of the last pristine natural areas of South Florida before many of them were lost to development.

### Post War Period

In 1946, Otto Buchholz (1874-1958) made collections in Florida. Stuart W. Frost (1891-1980), former professor at Pennsylvania State College, made extensive light trap collections during the winters of 1958-62 at Archbold Biological Station, Highlands Co., and wrote some papers about his discoveries (Frost, 1962, 1963, 1964); see Morse (2000) on Richard Archbold and the development of the biological station.

Charles P. Kimball (1897-1982) started his Florida collecting in 1946, and after 1951 he spent most of each year on Siesta Key, just south of Sarasota, which was the beginning of his annotated catalog published in 1965. Kimball collected regularly and concentrated on the moths, especially the micro-moths, but he did not describe any species himself. Witness to his many Lepidoptera discoveries are the 10 patronyms for new species named after him. Many specimens collected or acquired by Kimball from Florida and elsewhere, were donated to the FSCA. The synoptic collection Kimball retained for study, mostly of Florida and Massachusetts specimens, was donated by Kimball to the Museum of Comparative Zoology, Harvard University. Some FSCA specimens studied and borrowed by him, were dispersed to various museums over the years, yet remain the property of the FSCA.

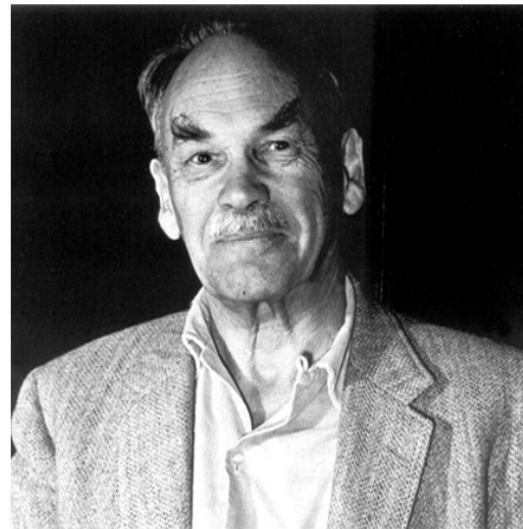


Fig. 4. Charles P. Kimball (1980) (FSCA file photo).

Stanley V. Fuller (1884-1966) made extensive collections in Florida over many years, mostly at his home in Casadaga, Volusia Co. Harold L. King (1900-1985) collected in Sarasota and elsewhere in Florida. H. E. Woodcock made many collections of moths in Jacksonville and other Florida locales, much of which is now deposited at the FSCA. Paula Dillman helped Kimball with moth specimens at Oneco by servicing a light trap. Likewise, Eugene G. Kelsheimer (1902-1985) made light trap collections at the Gulf Coast Experiment Station, Bradenton, during 1955-56. Daniel O. Wolfenbarger (1904-1995) made collections in Homestead from 1947, using light traps from 1958-59 and later. In 1955, other locations had light trap sampling programs, including Key Largo where J. N. Todd made collections, plus other areas in the keys. Fleming Key, where the Key West Naval Base is located, and nearby Stock Island were surveyed in later years.

In 1961, Shirley M. Hills began making collections of smaller moths at her home near Pensacola, which Kimball encouraged, and most of the specimens Kimball helped identify and record: many of the Hills specimens are now in the FSCA. Mrs. Hills moved to Durham, North Carolina, in 1969, and later stopped collecting. William B. Tappan also used traps for collections in Quincy from 1960 to 1963. Kimball also encouraged Harry O. Hilton (1920-1988), of Ocean City and Shalimar, to collect smaller moths, and from 1963 to nearly the time of his death he collected prodigious numbers of specimens, most of which are now at the FSCA. Hilton also was instrumental in taking several thousand photographs of Florida Lepidoptera from specimens Kimball had identified, plus numerous life history photographs of species he reared in Florida (the Hilton color slides are now at the FSCA).





Fig. 5-10. 5) Stanley V. Fuller (1964). 6) Frank W. Hedges (1991). 7) Harry O. Hilton (ca. 1961). 8) John M. Plomley (1956). 9) George W. Rawson (1970). 10) Charles F. Zeiger (1966). (all FSCA file photos).

John M. Plomley (1911-1994) made extensive collections in Hollywood, Florida, after moving there in 1957 (his collection is now at the FSCA) (Heppner, 1995). Charles F. Zeiger (1923-1987), of Jacksonville, also made large collections of Florida species. Alvah Peterson (1888-1972), former professor at Ohio State University, Columbus, and well-known for his work on the immature stages of insects, was in Florida in 1968-70 and other years, particularly concentrating on insect eggs; he published papers illustrating Lepidoptera eggs from Florida (Peterson, 1961, et seq.). Abner A. Towers (1916-1987), who lived in southern Georgia, made a number of collections in Florida beginning in 1934. Lucien Harris, Jr. (1899-1983), of Georgia and author of *Butterflies of Georgia* (1972), also made collections in Florida. George W. Rawson (1890-1986) collected butterflies in New Smyrna Beach and elsewhere in Florida some years before his death, as well as other Florida locales: he also noted butterflies on the Dry Tortugas in 1959-60 (Rawson and Davidson, 1963). Vernon F. Grant, of Warrington, Frank W. Hedges (1911-1991), of Kissimmee, and John C. Heinrich (1922-1995), of Alva, also collected butterflies in

Florida.

Kimball was able to enlist the aid of a number of others to help collect moths in Florida, notable among which was Mrs. Spencer Kemp, of Key Largo, who serviced a light trap year-round for Kimball in the 1960s to the mid-1970s: many of these specimens are in the FSCA now and include many small moths and post-1965 records of rarer species.

Kimball (1965) lists a large number of other persons who made various smaller collections in Florida since the 1940s. Most of the well-known naturalists and entomologists made trips to Florida. The more notable among these include Prof. John G. Franclemont of Cornell University, Ithaca, New York, especially his moth collecting at Oneco before 1965; Henry Ramstedt; Dean Berry; Henry Engel; Bernard Krautwurm; J. Chester Bradley; Fred Marloff; C. O. McBride; James G. Needham (1868-1957) of Cornell University, Ithaca, New York, collecting at Archbold Biological Station, Highlands Co., Florida; Ernest L. Bell (1876-1964); William P. Comstock (1880-1956) of New York; Alexander B. Klots (1903-1989) of the American Museum of Natural History, New York, who made a

number of trips to Florida; Cyril F. Dos Passos (1887-1986) of New York; Harry K. Clench (1925-1979), formerly at the Carnegie Museum, Pittsburgh, and well-known specialist on Lycaenidae; L. J. Sanford; Margaret M. Cary (1882-1969), the sphingid specialist from Philadelphia; Murray O. Glenn (1893-1981) from Illinois; Alex K. Wyatt (1878-1971), of Chicago; and Frank N. Young (1915-1998), of Bloomington, Illinois.

Others who made some contributions to our knowledge of Lepidoptera in Florida include Carl E. Stegmaier, Jr. (1921-1985), of Hialeah, who reported on leafminers and the insect faunas of various native plants (Stegmaier, 1971, 1973a,b), although his main interest was with leafmining flies. Herbert S. Zim (1909-1996), of Plantation Key, should also be noted since various lepidopterists undoubtedly visited and collected on his property: he was the editor for the Golden Guides series, including the booklet on butterflies (Mitchell and Zim, 1964), written with the help of his Golden Guides staff at his facilities on Plantation Key (over 1.3 million of the butterfly booklets were sold by 1986). Richard B. Dominick (1919-1976) organized the *Moths of America North of Mexico* series: he probably visited Florida but did most of his collecting on his property in South Carolina. Albert Schwarz (1923-1992) was a professor at Miami-Dade College, in Miami, for some years and is the author of the book, *The Butterflies of Hispaniola*: his main interests were with Caribbean butterflies and all his published works deal with Caribbean species except for one paper on butterflies of the lower Florida Keys. Boyce C. Drummond III (Florissant, Colorado) made many studies on Florida butterflies while undertaking graduate studies at the University of Florida in the 1970s.

The Allyn Museum of Entomology should also be noted. This Lepidoptera collection of over 1 million specimens is primarily focused on exotic butterflies. Organized and funded by the late Arthur C. Allyn (1913-1985), the collection and staff moved to Sarasota from Chicago in 1969, a milestone for the study of Lepidoptera in Florida. The curators, Drs. Lee and Jacqueline Miller, also have done extensive collecting for Florida butterflies. In 1973, Allyn had the collections moved to a new museum building in Sarasota. Allyn transferred ownership of the collections to the University of Florida Foundation in 1981, and since then the Florida Museum of Natural History, Gainesville, has administered it. He had wanted to fund a world Lepidoptera center in Gainesville as part of this transfer, but his early death stopped this idea. A world Lepidoptera research center was finally realized in 2001 with a large donation from the William and Nadine McGuire Family Foundation, as the McGuire Center for Lepidoptera Research, set to open in 2004.

The first butterfly house in North America, Butterfly World, in Coconut Creek, near Ft. Lauderdale, opened in 1988, resulting in the education of countless numbers of visitors on the biologies and beauties of the Lepidop-

tera. Ron Boender is the founder and director of Butterfly World. Another butterfly house was later opened at Cypress Gardens Park in central Florida, and in 2003, the Key West Butterfly and Nature Conservatory opened in Key West. McGuire Center will also have a butterfly house attached in 2004, in Gainesville.

### Florida State Collection of Arthropods

In 1953, a major change occurred for the future studies of Florida Lepidoptera when Dr. Howard V. Weems, Jr., accepted a position at the Division of Plant Industry, in Gainesville, Florida, and was placed in charge of developing the insect collection. Through his unceasing work over the next 40 years, he developed the small State Plant Board insect collection into what came to be known in 1965 as the Florida State Collection of Arthropods, now one of the largest insect collections in North America. He began the Research Associate program of the FSCA in 1962, resulting in the donation of countless 1000s of specimens to the museum over the years, including many Lepidoptera. He also collected Lepidoptera himself, although his research interests were with the Diptera, and he encouraged others to help the FSCA obtain specimens from Florida and elsewhere. He proved instrumental in having the Florida Dept. of Agriculture publish the catalog by Kimball in 1965 as the first volume of the *Arthropods of Florida* series.

Other staff that became part of the FSCA also have contributed toward building the Lepidoptera collections: Frank Mead, the FSCA Homoptera specialist until his retirement in 1994, made regular light trap collections throughout the year for 30 years on the DPI property in Gainesville, and many choice Lepidoptera specimens were added to the collection from these samples. Additionally, the State Plant Board, and later the FSCA staff, added to the Lepidoptera records, as did many entomology professors of the University of Florida, Gainesville. Notable among these were Joseph R. Watson (1874-1946), J. Speed Rogers (1891-1955), L. A. Hetrick (1910-1996), G. B. Fairchild (1907-1994), Peter J. Landolt (with the USDA, now transferred to Seattle, Washington), Minter J. Westfall, Jr. (now retired in Gainesville, Georgia), and Lincoln P. Brower (now at Sweetbriar College, Virginia), among others. Fairchild, a grandson of Alexander G. Bell, in particular added many moth specimens in later years from his flight trap sampling for flies, leaving other specimens to be sorted out. More recent studies on the Florida Lepidoptera fauna are being continued by present university professors: Thomas C. Emmel (since 1969) and Dale H. Habeck (since 1966) being the two studying Lepidoptera. Prof. Thomas Walker should be noted for his studies of the migration of some Florida butterflies (Walker, 1978). Richard M. Baranowski, at the Subtropical Research Station, Homestead, also has collected some Lepidoptera over the years. Mark A. Deyrup, staff entomologist at the Archbold Biological Station, Lake Placid, adds to and maintains the station

insect collection.

Frank Mead was assigned the Lepidoptera to curate, in addition to his specialty of Homoptera and Hemiptera, but the FSCA did not have a lepidopterist as a staff member until my own (JBH) move there in 1983. Since then, recurating FSCA Lepidoptera, adding many Lepidoptera records for Florida, and enhancing the collections with exotic species and more donated specimens, has enlarged the FSCA Lepidoptera collection to over 1.8 million specimens.

Over the last 25 years there have also been a number of resident FSCA Research Associates in Florida who have added considerably to our knowledge of the Florida fauna, several of them being collaborators to the distribution or hostplant data herein. Notable among these persons are W. Lee Adair, Jr. (Tampa), Richard T. Arbogast (Gainesville), H. David Baggett (Jacksonville), Andrew D. Beck (Jacksonville), Robert A. Belmont (Naples), Larry N. Brown (Tallahassee), John V. Calhoun (Palm Harbor), Terhune S. Dickel (formerly of Homestead and now residing in Anthony, Marion Co.), Linwood C. Dow (Dunedin), Peter J. Eliazar (Gainesville), Jean G. Filiatrault (Largo), Eugene J. Gerberg (Gainesville), Richard M. Gillmore (Winter Park), Leroy Koehn (Lake Worth), Marc R. Kutsh (Tampa), John S. Kutis (Bellevue), Barbara Lenczewski (Tallahassee), Deborah L. Matthews-Lott (Gainesville), Marc C. Minno (Gainesville), Thomas M. Neal (Gainesville), Roy W. Rings (Palmetto), Jeffrey R. Slotten (Gainesville), Charles M. Stevens (Jacksonville), and others.

Others who have worked on Florida species include James K. Adams (Dalton, Georgia), Morton S. Adams (West Shokan, New York), Richard W. Boscoe (Lafayette Hill, Pennsylvania), Vernon A. Brou, Jr. (Abita Springs, Louisiana), Richard L. Brown (Starkville, Mississippi), Charles V. Covell, Jr. (Louisville, Kentucky), Don R. Davis (Washington, D.C.), Douglas C. Ferguson (Washington, D.C.), Irving L. Finkelstein (Atlanta, Georgia), Hermann A. Flaschka (Atlanta, Georgia), Ronald A. Gatrell (Goose Creek, South Carolina), Ronald W. Hodges (formerly with USDA, Washington, DC), John A. Hyatt (Kingsport, Tennessee), Edward C. Knudson (Houston, Texas), and Bryant Mather (Clinton, Mississippi), among others. Prof. J. Mark Scriber and associates, of Michigan State University, East Lansing, Michigan, have been studying swallowtails at Highlands Hammock State Park, Sebring, nearly every spring for a number of years. A number of graduate students at the University of Florida, and at other universities in Florida and elsewhere, continue studying Florida Lepidoptera.

Since the easier access to most of Florida after 1920, the state has been fairly well surveyed in most habitats. Butterflies are well known, although strays from the Caribbean have still up to the present time been discov-

ered in some of the Keys, sometimes becoming new resident species (e.g., Krizek, 1998). There remain many areas, however, that are still little visited or are relatively unknown, at least for their moth fauna. Groups such as leafminers and other microlepidoptera will still yield many new species when all are discovered. The present total for Florida for all Lepidoptera is 2,941 species, yet once all the micro-moths are known, the total will exceed 3,000 species.

The most well collected areas in Florida include those sites where most collectors and entomologists have visited or lived: Gainesville, Cassadaga, Siesta Key, Homestead, Key Largo, Ocean City, Archbold Biological Station (Lake Placid), Highlands Hammock State Park (Sebring), Tall Timbers Research Station (Leon Co.), Torreya State Park (Liberty Co.), Quincy, Oneco, Bradenton, Jacksonville, Tampa, Miami, Big Pine Key, Everglades National Park (mainly Long Pine Key), Hollywood, Kissimmee, Welaka Forest Preserve (St. Johns Co.), Collier-Seminole State Park (Collier Co.), and Naples, among others. Other areas are not so well sampled and need more study.

Intensive faunal studies have been made at a few sites in Florida. Dennis Profant, now in Ohio, did a faunal survey of Lepidoptera at Blue Springs State Park, Volusia County (Profant, [1991]). Marc Minno has published on the Lepidoptera of Archbold Biological Station, Lake Placid (Minno, 1992a,b): it has already been noted that S. W. Frost collected there in earlier years, as did many others (Needham, 1955), and Mark Deyrup continues work on the local insects of the station grounds. Extensive surveys have also been made at Tall Timbers Research Station (Leon Co.), Torreya State Park (Liberty Co.), the former Welaka Forest Preserve of the University of Florida (St. Johns Co.), Homestead (Dade Co.), and Long Key (Monroe Co.). Terhune Dickel is now making nightly moth collections at Anthony (Marion Co.).

In recent years there has been considerable effort to conserve endangered species. The most notable case involves the Schaus swallowtail, *Papilio aristodemus ponceanus* Schaus, which is the endangered Florida subspecies of a butterfly that also occurs in the Bahamas (Covell and Rawson, 1973). Thomas C. Emmel has had remarkable success in a large scale captive rearing program in Gainesville, and then relocating many 1000s of pupae to several of the Keys (Emmel, 1996). The colorful lycaenid, *Eumaeus atala* (Poey), called the Florida atala, has also been rescued in South Florida where captive reared individuals have been reintroduced to various sites in the Miami region; it also is a pest of coontie and other sago palms, however. Most recently, the Miami blue (*Cyclargus thomasi*) has become reduced in numbers and is under study for possible conservation protection in the Keys (Calhoun et al., 2002; Minno, 2003; Ruffin and Glassberg, 2000).

# LEPIDOPTERA ECOLOGY IN FLORIDA

The parameters of this work specifically involve only the state of Florida and its offshore islands. Many Florida species occur elsewhere in North America or even as far south as Argentina, but our concern here is only for verified Florida Lepidoptera that are residents or regular visitors, but not rare strays (see p. 60). In this section the environment of Florida is summarized as it relates to Lepidoptera.

## FLORIDA PHYSIOGRAPHY AND GEOLOGY

The accompanying maps exhibit the peninsular nature of most of Florida, the major physical aspect of the state that affects the climate and environment of Florida, and also shows the proximity of nearby West Indian areas such as the Bahamas (55 miles [88 km]) and Cuba (95 miles [150 km]) as well as the Yucatan Peninsula of Mexico which is only 335 miles (536 km) from Key West. The proximity of nearby tropical regions has also greatly affected the fauna of Florida by way of tropical immigrants, also allowing a steady intrusion of tropical strays, some of which occasionally become temporary breeding residents in Florida. According to the Holdridge life zone scheme (Holdridge, 1967), peninsular Florida becomes subtropical south of the 65 F winter isotherm, just south of Lake Okeechobee, and borders the tropical zone at its southern extremity in the Keys, although the vegetation of the Florida Keys is essentially tropical Caribbean.

The actual physical extent of Florida is rather extensive: 58,560 square miles, ranging over 800 miles (1280 km) from the Keys to Pensacola in the northwestern panhandle, with 384 miles (615 km) from Jacksonville to the Perdido River and 430 miles (688 km) from Georgia to Key West. The southernmost land is latitude 24 30'N at Boca Grande Key, near Key West. The easternmost point is the Palm Beach area, at longitude 80 2'W; the northern point is latitude 31 00'N along the Alabama border; and the westernmost point is in northern Escambia County at longitude 87 38'W. The peninsula of Florida ranges in width from 100 miles (160 km.) to 155 miles (248 km), while the narrow northern panhandle ranges in width from the Alabama or Georgia border only between 35 miles (56 km) to 80 miles (128 km). Although the Keys extend from the mainland 190 miles (305 km) to the Dry Tortugas Islands and south to latitude 24 30'N, as noted above, the mainland reaches south to latitude 25 7'N. This large north-south and east-west extent of Florida has formed a variety of life zones from the resultant climatic factors produced by the northern land

mass of North America and the surrounding warm waters of the Gulf of Mexico and the Gulf Stream region of the Atlantic Ocean. Consequently, as seen in the division of the state into several biogeographic regions (Fig. 32, somewhat modified from Kimball (1965), the extent of Florida goes from a subtropical or tropical southern end, through the intermediary central region, to a modified eastern woodland north central region, to two northern regions split into an eastern and a western part, plus subdivisions. These divisions of Florida primarily are based on vegetation patterns as first denoted by Cooke (1939) and West and Arnold (1952), modified by White (1970) and with subdivisions based on the work of Harper (1914-27). Lepidoptera, being virtually all phytophagous, the species distribute particularly well according to these vegetation regions. Northern species and some nearby central species just enter western Florida, and many West Indian species only enter very southern Florida. A unique feature of South Florida is the inundated grassland swamp called the Everglades, an area sloping gradually from Lake Okeechobee (14 ft.) to the mangrove swamps around Cape Sable and Florida Bay.

Most of Florida is flat but the central and northern areas do have some rolling hills (Fig. 11), however, none exceed the high point of the state in the western panhandle near the Alabama border, at only 345 feet (106 m). The physiography of Florida is denoted by 10 major topographic divisions (Fig. 31). Contrary to the relatively uniform topography of Florida, the geological history of the state has produced a variety of soils and a scattered distribution of them. The geological history of Florida has involved several cyclical inundations of coastal areas, often most of the state, during the Pleistocene and apparently much further back in time as well (Fig. 12-14). The inundations of coastal and other low areas of Florida have highlighted the central ridge of Florida, an area of higher rolling hills with a maximum current elevation of 325 ft. (100 m), and the northern panhandle uplands, being extensions of the North American mainland. The historical sea level fluctuation maxima and minima are shown in Fig. 12-13.

The significant implications of the resultant islands of the central ridge (Fig. 14) that were periodically left as remnants of peninsular Florida during periods of near total inundation involve the probable protection of certain fauna and flora in these refugium areas. This is evident in the number of Florida endemics, particularly plant endemics, that are found in these putative refugium areas, likewise at the Apalachicola uplift in the central panhandle. Conversely, the relatively recent exposed areas of most of peninsular Florida and the Keys since the last sea water inundation demonstrate the ex-



Fig. 11. Topography of Florida and offshore sea floor: 100 fathoms to 100 meters inland (intervals are ca. 25 m). Elevation of Lake Okeechobee is 14 ft (3 m) (after Fernald (1981), *Atlas of Florida*).

tent of plant and animal dispersal and immigration that has occurred to produce the present vegetation and fauna of these areas of Florida. The best estimate of the amount of time these lowlands of Florida have been re-exposed from the sea at nearly the present extent of land area is approximately 5,000 years. Thus, particularly among the insects a considerable amount of evolution has occurred in the Florida species in this period of time, as evident especially among those species found primarily in inundation areas of Florida but not in refugium areas. Many of these lowland insects are more widely distributed in the West Indies, yet have already evolved into Florida subspecies with

noticeable morphological differences from West Indian populations.

In addition to the central ridge refugium islands left during periods of maximum inundation, the cyclical rise and fall of the sea during geologic time has produced important physical features in Florida. The effects of the various sea levels is particularly evident along the central ridge of peninsular Florida where many zones of sandhills are found, representing fossil dunes from various prehistoric shorelines and marine terraces. Many of the sand hill shorelines are of varying ages, some now thought to be Pliocene and late Miocene (Alt and Brooks, 1965).

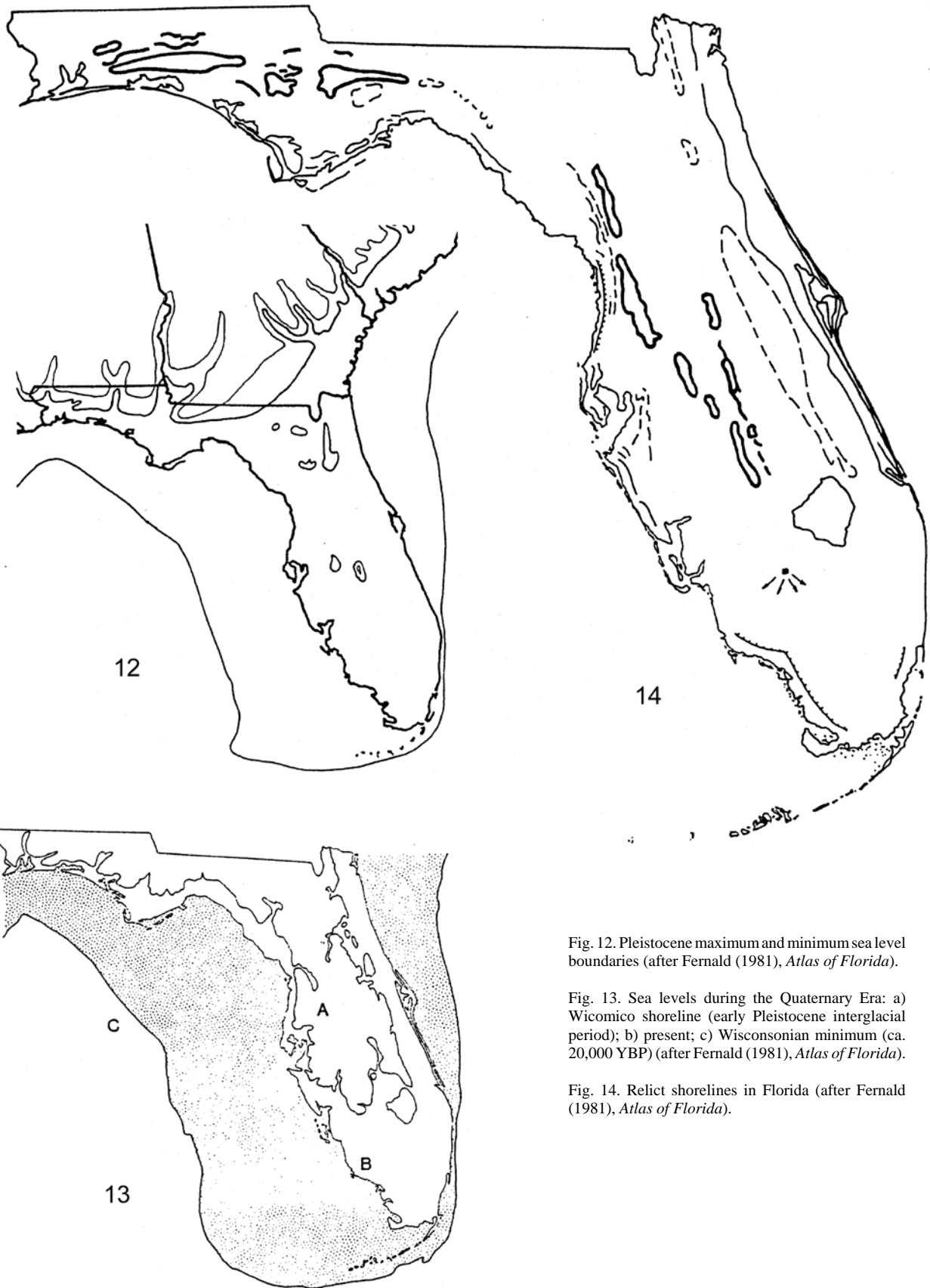


Fig. 12. Pleistocene maximum and minimum sea level boundaries (after Fernald (1981), *Atlas of Florida*).

Fig. 13. Sea levels during the Quaternary Era: a) Wicomico shoreline (early Pleistocene interglacial period); b) present; c) Wisconsinian minimum (ca. 20,000 YBP) (after Fernald (1981), *Atlas of Florida*).

Fig. 14. Relict shorelines in Florida (after Fernald (1981), *Atlas of Florida*).

## CLIMATE OF FLORIDA

The extent of sea water surrounding peninsular Florida and the long shore line in the northwest, together with the conterminous mainland of North America to the north, combine to produce a rather variable climate and fluctuating weather, yet with regular yearly seasonal patterns as well. Florida climate is overall very mild due to the moderating influence of the large expanses of water surrounding most of the state. The warm waters of the Gulf Stream also contribute to mild winters along the northern east coast of Florida, which is only the southern beginning of the area influenced by the Gulf Stream. At the other extreme, being attached to the large North American land mass, with its extension going all the way to Polar regions, marked effects are produced during part of the year when periodic, often weekly, cold fronts move into Florida from the north, mostly during the period from late November to early May. The other major factor influencing Florida weather, and probably also the major factor influencing the extent of tropical fauna introduced into Florida, is the yearly cycle of hurricanes (or typhoons) that originate in the eastern Atlantic near Africa and often eventually strike Florida, bringing massive amounts of rain and occasional wind-borne insect hitchhikers from the West Indies. The total Gulf Stream currents also undoubtedly have contributed to the Florida fauna and flora, in addition to their climatic effects.

In addition to temperature changes produced by weather fronts due to land mass and sea volumes present near Florida, the other major parameters of Florida climate are the long term, fairly regular seasonal patterns. The Florida seasonal patterns primarily involve humidity and precipitation effects, with a long period of relatively dry weather from October to May interspersed by either hurricanes (October-November) or cold fronts (November-May), which produce short periods of rainfall, and a period of high humidity and summer rains from June to September. The summer rains are mostly in the form of afternoon or evening thunderstorms that produce rain in a patchwork pattern, resulting in rainfall only in scattered areas of the state at any one time. This summer period is also interspersed by periods of massive rainfall anytime a hurricane comes to Florida, since the total hurricane season lasts from June to November, rarely even to early December. Hurricane rainfall can be highly irregular, however, since during recorded Florida history often many years pass when no hurricane hits Florida; we are now becoming aware that hurricane tracks are affected by global wind, solar and temperature factors such as jet streams and the southern hemisphere so-called El Niño effect of the South Pacific. Precipitation and temperature ranges for Florida are shown in Fig. 15-23 (modified from *Atlas of Florida*). Monthly rainfall records are shown in Fig. 15-16 for selected Florida locations:

Pensacola, Jacksonville, Gainesville, Tampa, Miami, and Key West. Average annual rainfall throughout Florida is shown on the map in Fig. 16: rainfall stations (north to south) noted include Pensacola, DeFuniak Springs, Apalachicola, Tallahassee, Cedar Key, Gainesville, Jacksonville, St. Augustine, Daytona Beach, Orlando, Tampa, Melbourne, Moore Haven, Ft. Myers, West Palm Beach, Everglades City, Tamiami Trail (Pinecrest), and Miami.

One other aspect that is significant in Florida climatic effects involves the scattered rainfall patterns noted earlier together with strong sunshine, resulting in high evapotranspiration rates, and the poor soils of some areas. This combination of factors results in many areas of Florida locally being extremely dry for various periods of time. For example, the dry sand hill habitats of the central Florida ridge and the scattered arid areas of the Florida Keys, where cacti and yuccas are found near tropical hardwood hammocks. These examples show those unfamiliar with Florida not to consider the state as a uniformly wet and humid region, and indicate that even nearby areas within Florida can be very different in the vegetation and the Lepidoptera to be found there.

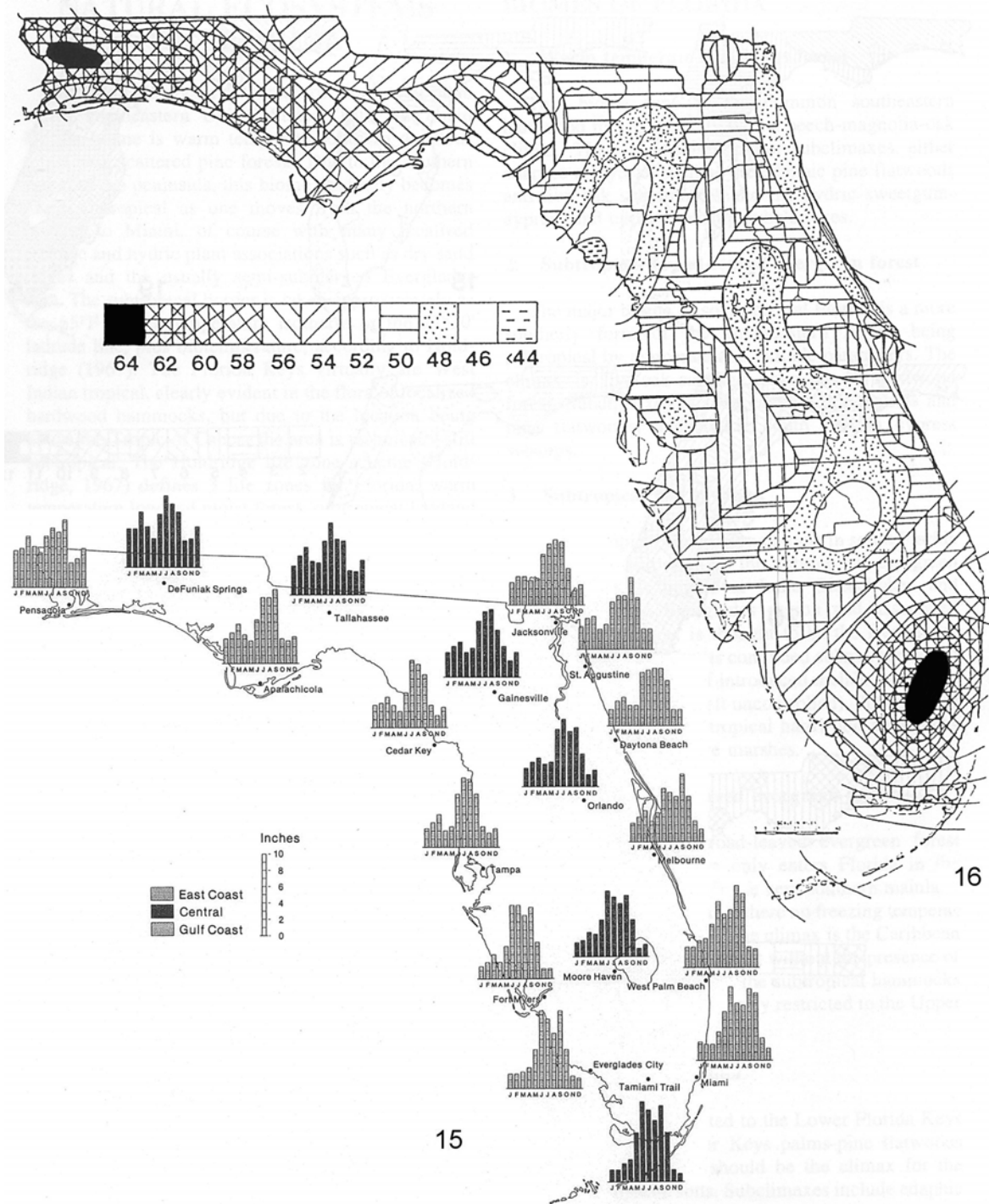


Fig. 15. Monthly rainfall variations at various sites in Florida (after Fernald and Patton (1984), *Water Resources Atlas of Florida*).

Fig. 16. Annual precipitation totals (after Fernald (1981), *Atlas of Florida*) (numbers are in inches).



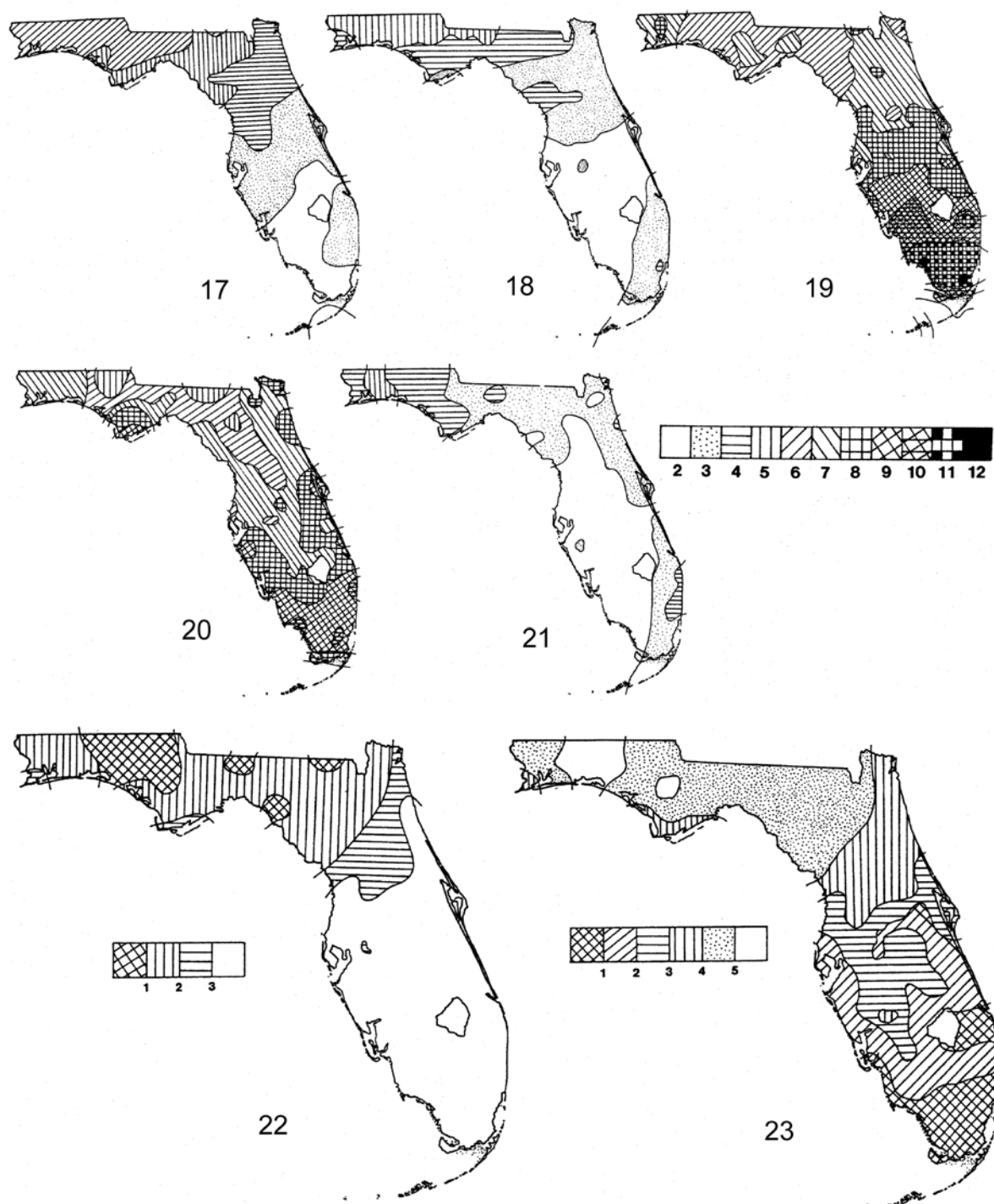


Fig. 17-21. Average monthly rainfall totals: 17) January. 18) April. 19) June. 20) September. 21) November (after Fernald (1981), *Atlas of Florida*) (symbols are for inches of rain).

Fig. 22-23. Average frosts in Florida: 22) Average first autumn/ winter frost lines (dates are Dec 1 (1), Dec 15 (2), Jan 1 (3)). 23) Average last winter/spring frost lines (after Fernald (1981), *Atlas of Florida*) (dates are Jan 15 (1), Feb 1 (2), Feb 15 (3), Mar 1 (4), Mar 15 (5)).

## NATURAL ECOSYSTEMS OF FLORIDA

Florida is mostly an extension of the coastal plain of the southeastern United States. Thus, the main Florida biome is warm temperate southern deciduous forest with scattered pine forests. Due to the southern extent of the peninsula, this biome gradually becomes more subtropical as one moves from the northern borders to Miami, of course with many localized edaphic and hydric plant associations such as dry sand ridges and the usually semi-submerged Everglades area. The subtropical border is taken approximately as the 65 F winter temperature isotherm or the 27 30' latitude line, plus biotemperature, according to Holdridge (1967). The Florida Keys virtually are West Indian tropical, clearly evident in the flora of localized hardwood hammocks, but due to the location being above the Tropic of Cancer the area is technically still subtropical. The Holdridge life zone scheme (Holdridge, 1967) defines 3 life zones for Florida: warm temperature lowland moist forest, subtropical lowland moist forest, and subtropical lowland dry forest. These life zones are based on annual precipitation and temperature averages, elevation, and latitude.

The warm waters surrounding peninsular Florida have caused the standard life zone or biome boundaries to be shifted somewhat further north than normal. Thus, the Florida Keys are essentially tropical Caribbean in vegetation and climate, which also occurs to a lesser extent along the very southern fringe of the mainland south of Miami. Likewise, the subtropical zone is shifted further north along either coast of Florida, to Pinellas Co. on the west coast and Brevard Co. on the east coast, and even with isolated extensions, further north as far as Cedar Key, Levy Co., for many plant groups but only along the immediate coastal fringe. Larger animals have not followed this pattern, being mainly temperate species, but the insects more closely follow the vegetation pattern, particularly the phytophagous species like Lepidoptera. In using biomes rather than the strict Holdridge life zones, thereby also indicating some plant associations, five major biomes of Florida are found. The Florida biomes are: 1) warm temperate deciduous forest; 2) subtropical broadleaved evergreen forest; 3) subtropical wet savanna; 4) tropical broadleaved evergreen forest; and 5) tropical dry savanna. This biome list has been developed here from several sources and includes use of specialized forms, like Caribbean coastal scrub subclimaxes, not usually noted in other works.

## BIOMES OF FLORIDA

### 1. Warm temperate deciduous forest

This biome type is the common southeastern hardwood forest, typically with a beech-magnolia-oak climax. There are various major subclimaxes, either edaphic or hydric, such as the edaphic pine flatwoods and live oak subclimaxes and the hydric sweetgum-cypress and cypress swamp subclimaxes.

### 2. Subtropical broad-leaved evergreen forest

The major biome of south central Florida is a more southerly form of the southeastern forest, being subtropical by temperate and latitude parameters. The climax is live-oak-cabbage palm-mixed hardwood forest. Subclimaxes include edaphic dry prairies and pine flatwoods, and hydric south Florida cypress swamps.

### 3. Subtropical wet savanna

The subtropical wet savanna biome in south Florida is somewhat bordered by the subtropical evergreen forest biome. It begins at Lake Okeechobee and encompasses the Everglades region and associated habitats. The climax is thought to be the Everglades sawgrass, but based on its continued submergence and without the intrusions of introduced melaleuca (future climax is melaleuca, if left uncontrolled). Subclimaxes include the edaphic subtropical hardwood hammocks and the hydric mangrove marshes.

### 4. Tropical broad-leaved evergreen forest

The true tropical broad-leaved evergreen forest biome of the Caribbean only enters Florida in the Florida Keys and possibly the very southern mainland hammocks south of Miami where no freezing temperatures have been recorded. The climax is the Caribbean hardwood hammock forest but without the presence of live oak as is still found in the subtropical hammocks of Miami. The biome is largely restricted to the Upper Keys.

### 5. Tropical dry savanna

This biome is restricted to the Lower Florida Keys and involves the Lower Keys palms-pine flatwoods type of habitat which should be the climax for the area on appropriate soils. Subclimaxes include edaphic tropical hardwood hammocks and Caribbean coastal scrub.

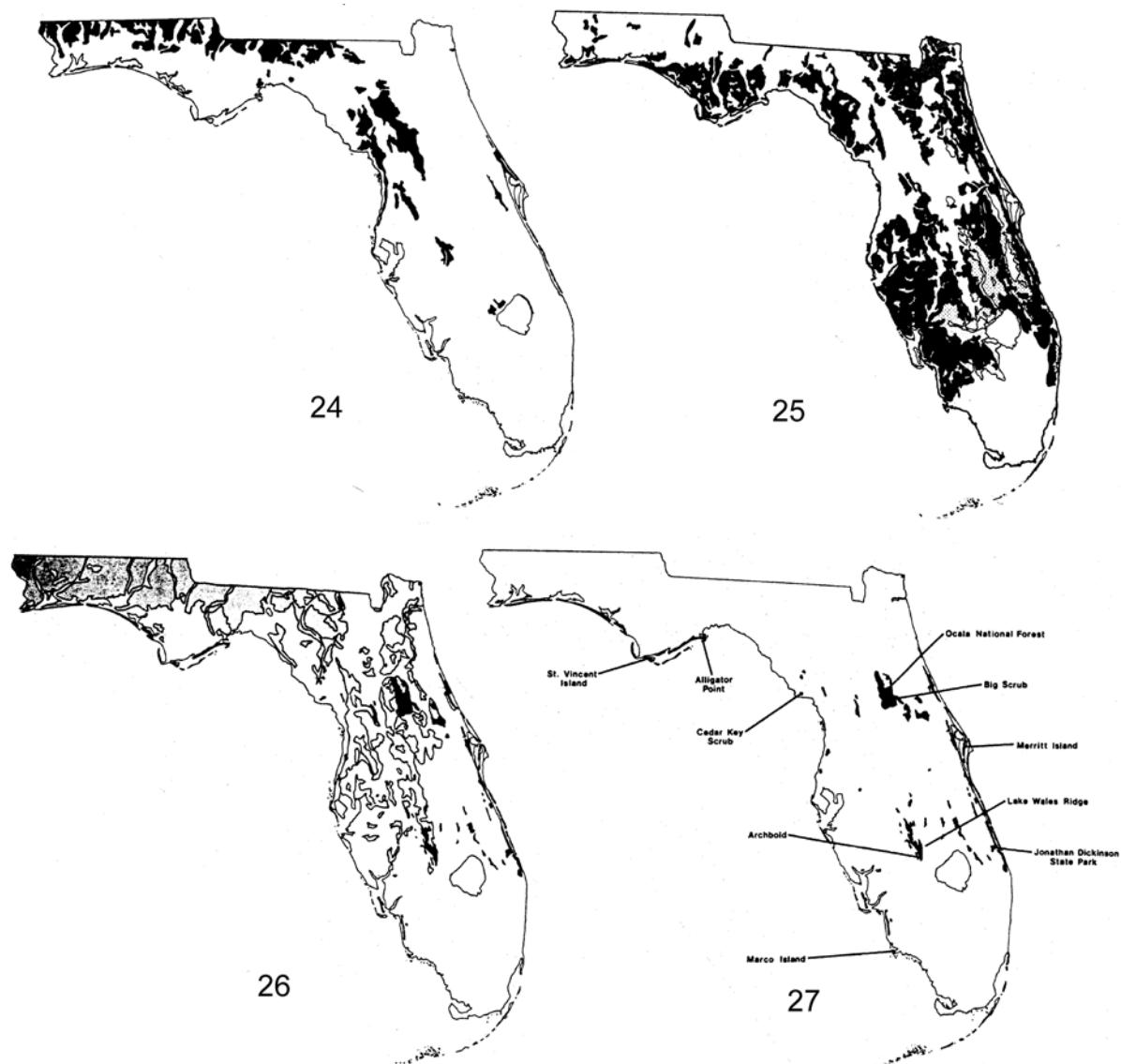


Fig. 24-27. Vegetation types of Florida (after Myers and Ewel, 1990): 24) Temperate hardwood forests. 25) Pine flatwoods. 26) Scrublands and upland pine. 27) Scrub sites.

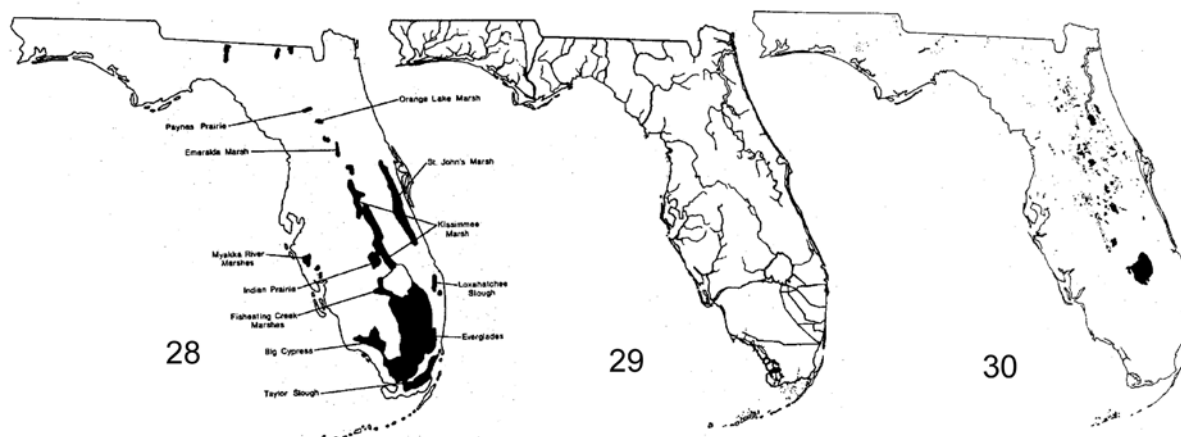


Fig. 28-30. Wetlands of Florida (after Myers and Ewel, 1990): 28) Marshlands. 29) Rivers and springs. 30) Major lakes.

## MAJOR BIOGEOGRAPHIC REGIONS OF FLORIDA

The major biogeographic regions used herein are shown on Fig. 43. There are ten major biogeographic regions of Florida, based on the major topographic divisions and vegetational distributions developed by Harper (1914-27), Cooke (1939) and West and Arnold (1952). Kimball (1965) basically used the simplified divisions of West and Arnold (1952) but shifted some boundaries to conform to county political borders. The eight regions Kimball (1965) used have herein been further modified to conform more precisely to the actual biogeographic boundaries noted by Harper (1914-27), with some subdivision, and a shifting of some counties into other regions. Florida county lines follow these

regions fairly well except in only two instances: a) the Apalachicola lowlands boundary should be through the middle of Liberty County, and b) the southern portion of Jefferson County should be part of the north Florida coastal lowlands rather than with the Tallahassee hills. The divisions of Harper (1914-27) are fairly extensive and for the purposes of Lepidoptera distribution in Florida, it is more useful to use larger divisions, although smaller than biomes. Thus, Harper's divisions are reduced to eight major areas, as done by West and Arnold (1952), but with some subdivisions and alternate county lines. Since locality data is most easily organized by county, it is convenient that Florida counties are sufficiently numerous to conform quite well to the natural biogeographic regions.

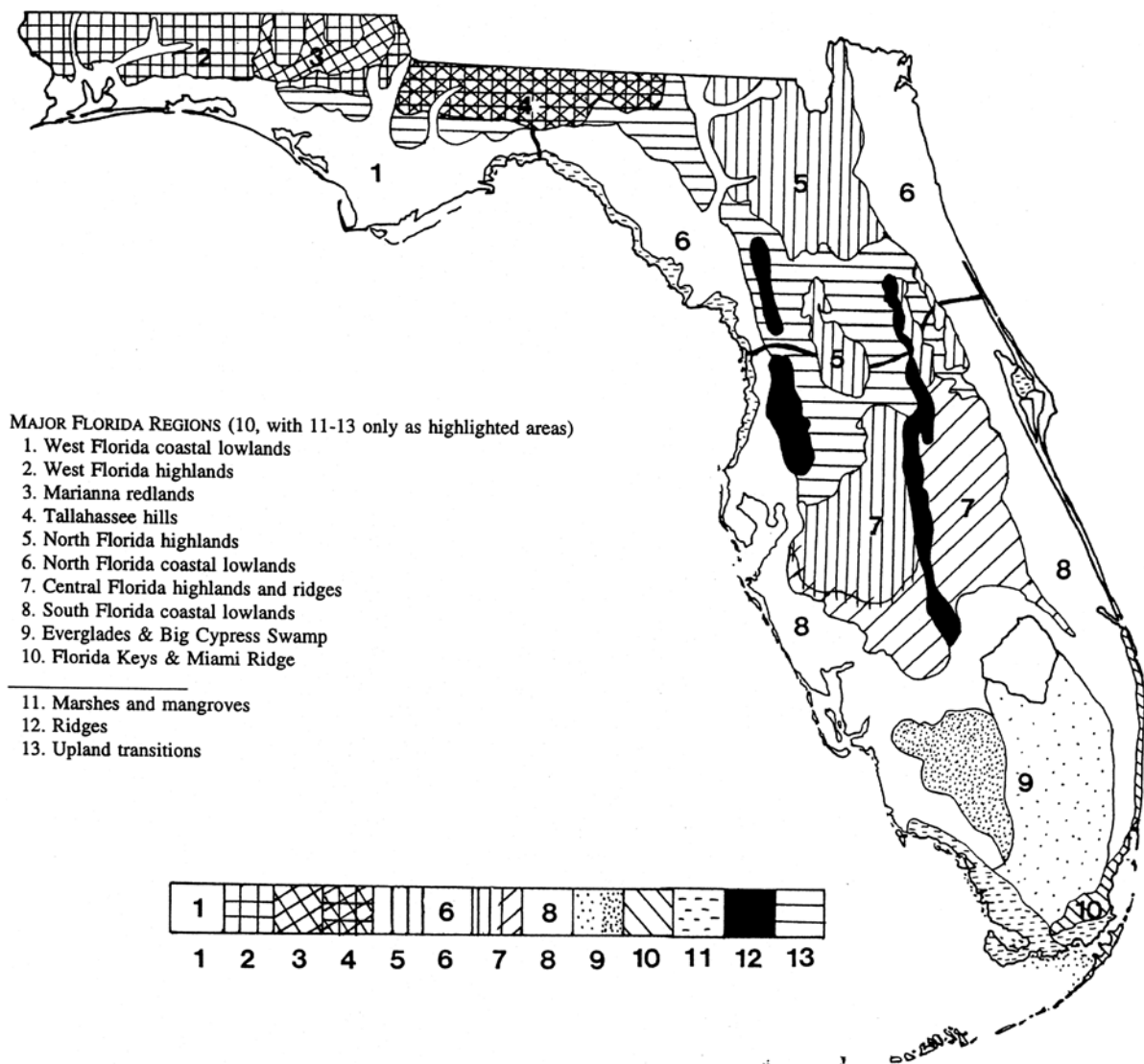


Fig. 31. General physiography and topographic divisions of Florida (after Fernald (1981), *Atlas of Florida*).

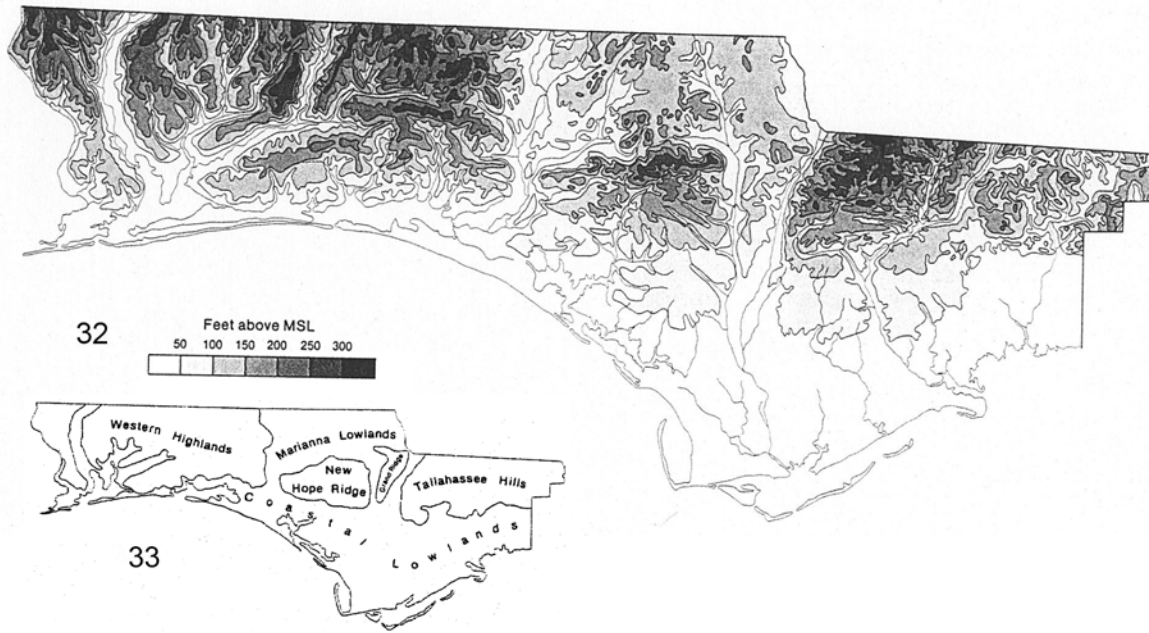


Fig. 32-33. West Florida features: 32) Topography (contours are in 50 ft. intervals). 33) Physiographic regions (after Fernald and Patton, 1984).

## 1. WEST FLORIDA

Kimball (1965) denoted all of the Florida panhandle west of the Aucilla River, the Jefferson County and Madison/Taylor County line, as Region I. It is more useful to further subdivide this region into 4 subregions due to extensive vegetational differences. Thus, we have the following 4 subregions of west Florida: a) the western panhandle; b) the Marianna Redlands; c) the Apalachicola lowlands; and d) the Tallahassee hills. These four subdivisions are delineated here mostly after Harper (1914-27) but with the boundaries of each subregion somewhat expanded to appropriate county lines. Additionally, Madison County is added to the West Florida division.

### A. Western Panhandle

Harper's (1914-27) western half of the west Florida pine hills region conforms very well to this subregion of four counties: Escambia, Okaloosa, Santa Rosa, and Walton. The subregion is an extension of upland country from Alabama that gradually approaches the Gulf Coast dunes and beaches. Most of the upland soil is sandy with subsurface red sandy clay. There are also isolated upland areas of red clay and sandy ridges. The highest points of Florida occur in this subregion, the highest being in northern Walton County. A few lakes are found in the sandy ridge area of Walton County. There are five major river systems in this subregion west to east: the Perdido River on the western border with Alabama, the Escambia River system, and the Choctawatchee River on the eastern side at the border

with Washington County.

The major vegetation of the uplands comprises southeastern deciduous hardwood forest mixed with open pine forests. Mixed in at edaphic or hydric locations are cypress swamps and titi swamps creek heads, as also various riverine hardwood forests, lowland pine flatwoods near the coast, and coastal dunes and strands.

### B. Marianna Redlands

The Marianna Redlands involve only part of Jackson County according to Harper (1914-27) but the nearby limestone areas, valleys and hills form a fairly compact subregion as delineated herein. Counties involved are Holmes, Jackson and Washington Counties. The redlands along the Chipola River in Jackson County are mostly limestone, covered with red loams soils on uplands. Various clays and sand are also mixed at diverse sites. The area is rather hilly except for eastern Jackson County and the Holmes Valley in Washington County. Most of Holmes County is characterized by limestone outcropping in upland areas. The major drainages are Holmes Creek and the Choctawatchee River, which join in southwestern Washington County, the Chipola River, and the banks of the Chattahoochee River in eastern Jackson County. As in most of upland west Florida the southeastern deciduous forest dominates, along with mixed areas of open upland pine forest and the various edaphic and hydric plant associations. Much of Washington County has an area of numerous lakes with cypress and titi swamps surrounded by pine forests.

### C. Apalachicola Lowlands

The lowland area centered around the Cape San Blas coast forms the Apalachicola lowlands. Five counties are included therein: Bay, Calhoun, Franklin, Gulf and Wakulla counties. Harper (1914-27) treated most of Calhoun County as part of the pine hills region, but having only very reduced hills gradually sloping to the Gulf of Mexico, the area is more appropriately included in the Apalachicola lowlands. Soils are mostly sand with some scattered patches of marl, particularly near the rivers, except for considerable limestone in central Wakulla County. Major drainages are part of the Apalachicola River, as well as part of the Chipola River in Calhoun County; also the New River and the Ochlochonee River in the eastern areas of the subregion. Wakulla County also has part of the St. Mary's River.

Most of the subregion is pine flatwoods, mostly longleaf pine, with hardwoods predominating along the rivers and lakes. The Apalachicola River bayhead swamps, particularly in Gulf County and southern Calhoun County, commonly include a kind of pine bog-elfin forest, typically on the more acidic soils favored by such indicator plants as the pitcher plants. A large area of hardwood hammocks is located in central Wakulla County.

### D. Tallahassee Hills

This subregion is somewhat mixed but is primarily upland country, other than the anomaly of the coastal section of Jefferson County, and is named after the major topographic feature of the area, the Tallahassee Hills of Leon County. Included counties are Gadsden, Jefferson, Leon, Liberty, and Madison counties (the latter county is added to the West Florida region as defined by Kimball (1965)). Soils are often sandy, with a sublayer of clay, sometimes with rock outcroppings and some red loam hills. The actual Tallahassee red hills are primarily reddish brown sandy clay. A small region of southern Leon County is mostly loamy sand over a sublayer of limestone. The drainages include parts of the Apalachicola, Little, and Ochlochonee rivers, plus the St. Mary's, Wacissa and Aucilla rivers.

Vegetation is the Southern hardwood forest of upland longleaf pine and wire grass, mixed with deciduous hardwoods, but considerably diverse due to the hilly topography. The red hills area is more prominently a shortleaf pine forest.

## 2. NORTH FLORIDA

The north Florida region (II) is similar to what Kimball (1965) used, with the exclusion of Madison

County which is now placed with the west Florida region, but with the inclusion of Flagler County. The central area can be segregated as the north Florida highlands, being mostly hilly (which is high for Florida), while the coastal areas along the Atlantic and Gulf coasts can be denoted as the north Florida coastal lowlands. Soils are marl over limestone and considerable areas of sandy loam, as well as the sand hills near the borders of the central hills and the coastal areas. Parts of the central area contain extensive phosphate beds, over limestone sinks, mixed with sandy areas. Some pale clays are also found in hilly areas. The eastern area is extensively marl covered by sandy clay. The northeast dunes on the coast are often geologically compacted with shells to form the so-called coquina rock. The major river systems comprise the Withlacoochee and Suwannee Rivers, which border Hamilton County on the Georgia border, while the Alapaha River just enters Florida where it joins the Suwannee. Taylor County has the Econfinia and Fenholloway Rivers. The Georgia border is at the St. Mary's River as it goes east to the Atlantic in Nassau County. Other rivers include the Nassau, Santa Fe and Wacassassa Rivers, plus parts of the Oklawaha, and the lower portion of the St. Johns River.

Most of the north Florida region is pine flatwoods interspersed with hardwood forest and cypress swamps in low lying areas, with the usual riverine hardwood hammocks, swamps, and coastal plant communities.

The central area of the north Florida region is hilly, except for the flatter northwest area (Lafayette County), with the central uplands gradually sloping to the two coastal zones. Much of the central highlands has the start of the central Florida ridge which contains numerous lakes of various sizes, going south almost to Lake Okeechobee and its surrounding swamps, the so-called Peninsula lake region. The upland areas are primarily a mixture of pines and oaks, with turkey oak forests on the sand ridges, and large areas of hardwood hammocks on appropriate soils. There are a few areas remaining of xeric scrublands, although most of these are further south in Region III.

Lowlands in North Florida comprise the Atlantic coastal subregion (Nassau County south to Flagler County) and the Gulf Coast subregion (Taylor County to Levy County). The Gulf Coast area is predominately marshes and mesic hammocks. The east coast has more dry land than the west coast. The eastern lowlands have large areas of open longleaf pine flatwoods, with heavy growths of saw palmetto as an understory. The northeast coastal dunes are particularly unique, with various grasses and shrubs of a xeric type, with cedar on the coquina areas, mixed with live oak hammocks and pines.

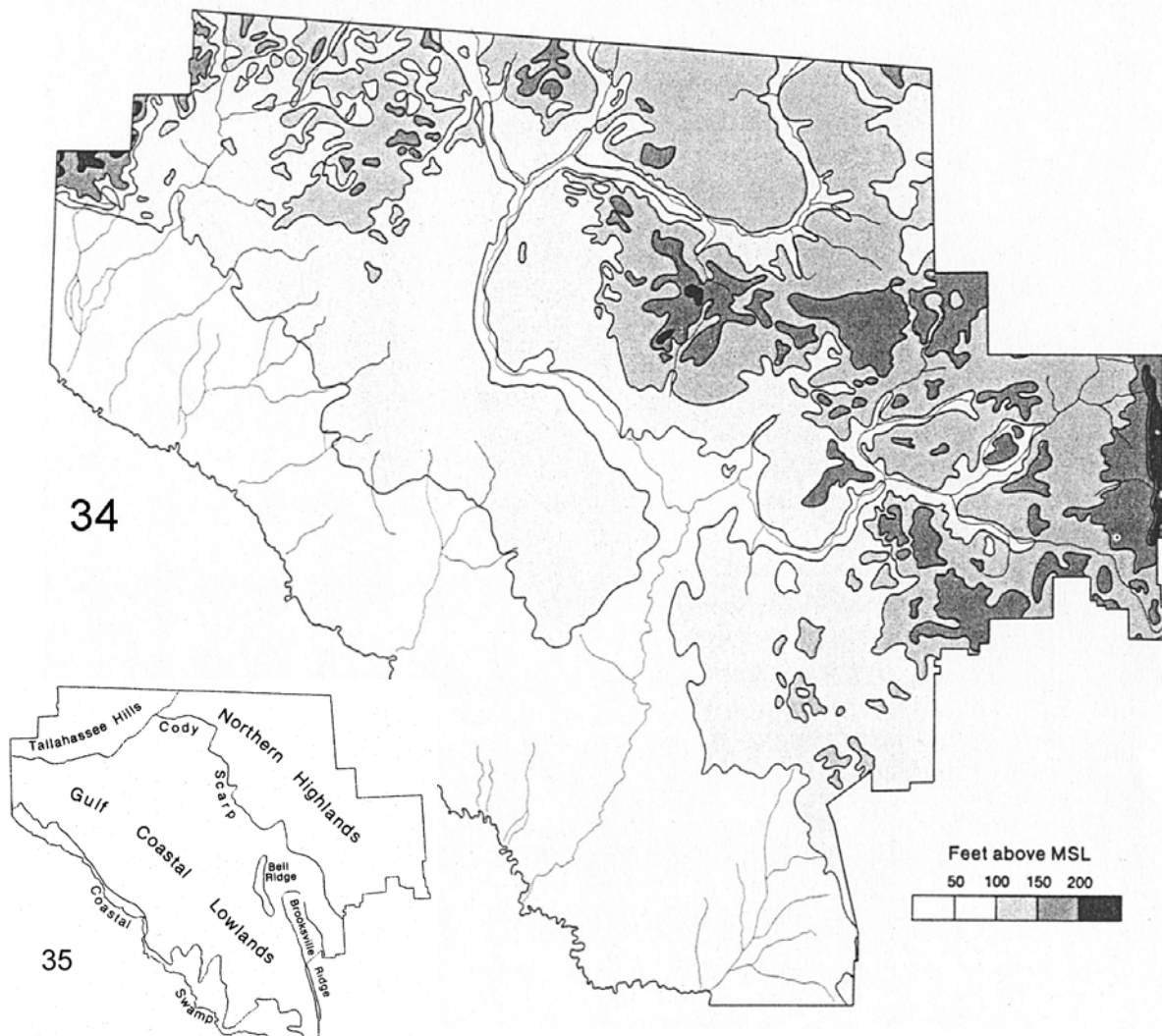


Fig. 34-35. North Florida features: 34) Topography (contours are in 50 ft. intervals). 35) Physiographic regions (after Fernald and Patton, 1984).

### 3. CENTRAL FLORIDA

The central area (III) of the Florida peninsula forms the largest Florida region and, as for North Florida, can be segregated into a central hilly area and two coastal subregions. This region of Florida has only flat plateaus in the central area and fewer hills and at lower elevation than in North Florida. Kimball's (1965) boundaries for Region III are largely followed but the central area is extended to include Hardee, Highlands and Okeechobee Counties. The soils are mostly sandy, mixed with some loam as in North Florida, and with loam and marl in swampy areas (Harper, 1914-27). Sand hills are predominately light sand. Uplands have some amounts of clay as well as some areas of limestone base. Peat is also present where lakes predominate. Major drainages (listed north to south) include the Oklawaha, St. John's and Withla-coochie Rivers in the north; the Anclote and Hillsborough Rivers in the Tampa Bay area; and the Econlockhatchee, Peace and Kissimmee Rivers in the central area.

Vegetation is typically pine flatwoods-saw palmettos in the coastal and inland plateau areas. The central hills and limestone sinks have large areas of wet and dry hammocks, the latter being live oak hammocks mixed with pines. The sand hill ridges continue south and are a specialized vegetation zone, as in North Florida. The large number of lakes in central Florida provide habitats for many areas of cypress swamps and marginal hardwood hammocks. Scrublands on appropriate sandy soils are also common in the lake areas. Salt marshes and coastal dunes are again present as in North Florida, but with more intrusions of tropical plants (e.g., mangroves get as far north as Tampa Bay, on the Gulf Coast, and to Merritt Island, on the Atlantic Coast). Inland plateaus typically involve dry and wet prairies, particularly towards Lake Okeechobee: along the Kissimmee River basin there are extensive areas of open flatwoods with fewer pines and saw palmettos and with more patches of cabbage palms and occasional live oaks (much of this is now altered due to heavy grazing). Wetter flat areas are covered with palm savannas.

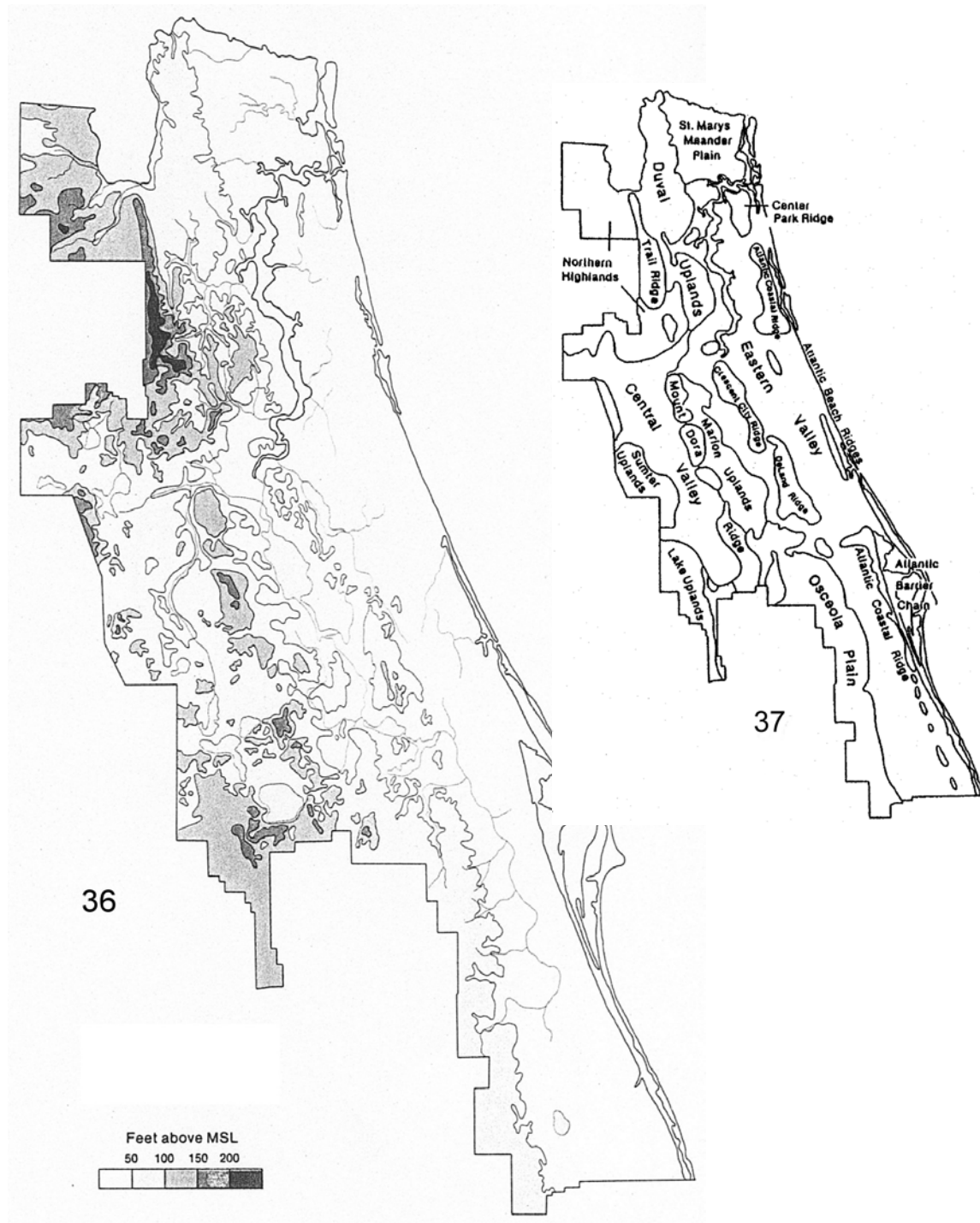


Fig. 36-37. East Florida features: 36) Topography (contours are in 50 ft. intervals). 37) Physiographic regions (after Fernald and Patton, 1984).



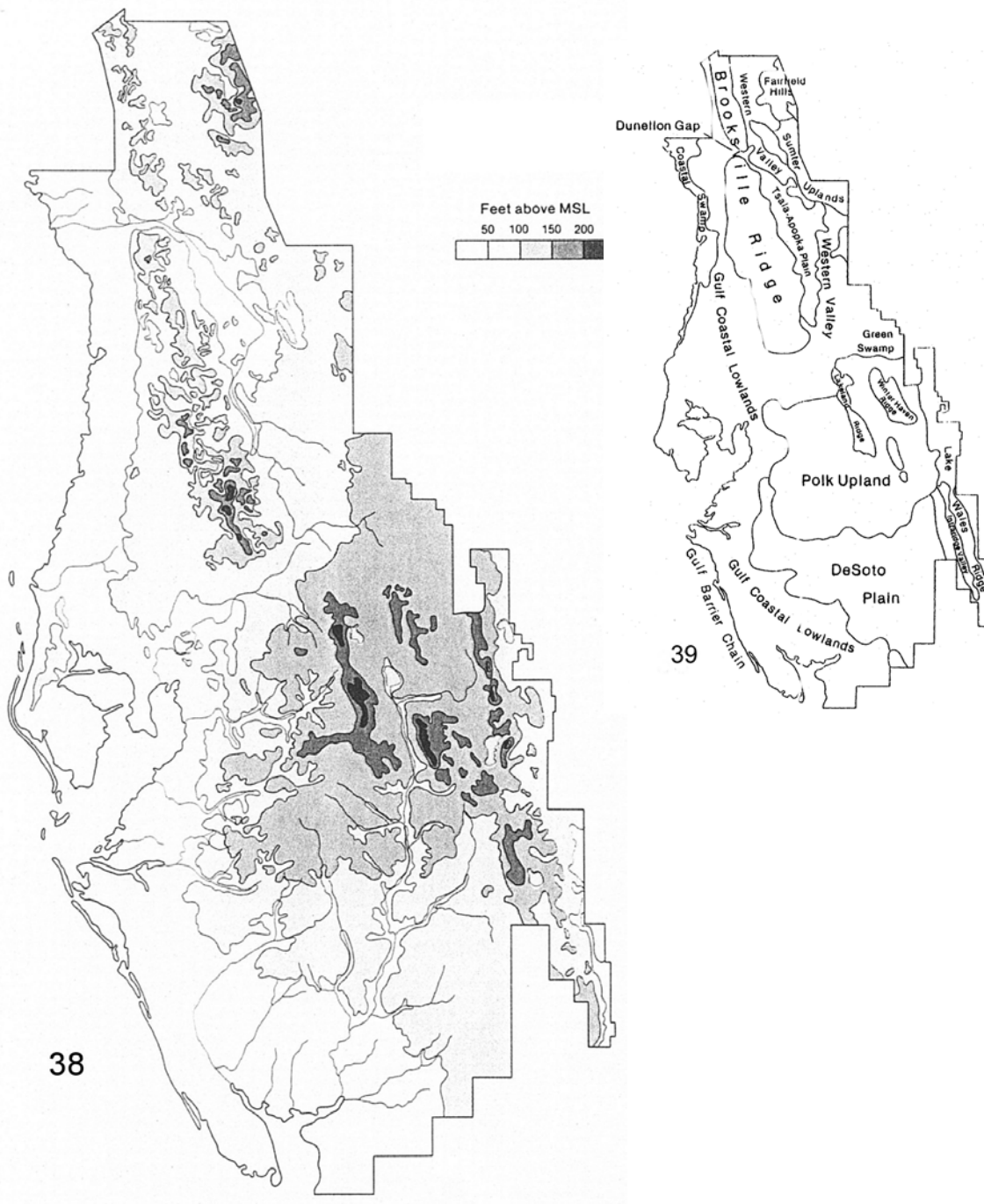


Fig. 38-39. Central Florida features: 38) Topography (contours are in 50 ft. intervals). 39) Physiographic regions (after Fernald and Patton, 1984).

#### 4. SUBTROPICAL FLORIDA

Region IV is basically the southern peninsula of Florida, with the specialized areas of the Big Cypress, Cape Sable and the Ten Thousand Islands, and the Miami Ridge, each segregated as their own regions (V-VII), as well as the tropical Florida Keys (VIII). The county borders are used herein for the various regions of South Florida, rather than the smaller areas Kimball

(1965) used. A few counties are also shifted by region: Indian River County is included in Region IV, while Hardee, Highlands and Okeechobee Counties have been shifted to Region III, as already discussed. South Florida is entirely flat in topography, although a few feet can make a large difference in soils and plant communities in extreme southern Florida. Elevations are mostly below 20 feet, with the exception of some coastal dunes and a few remnants of the central ridge

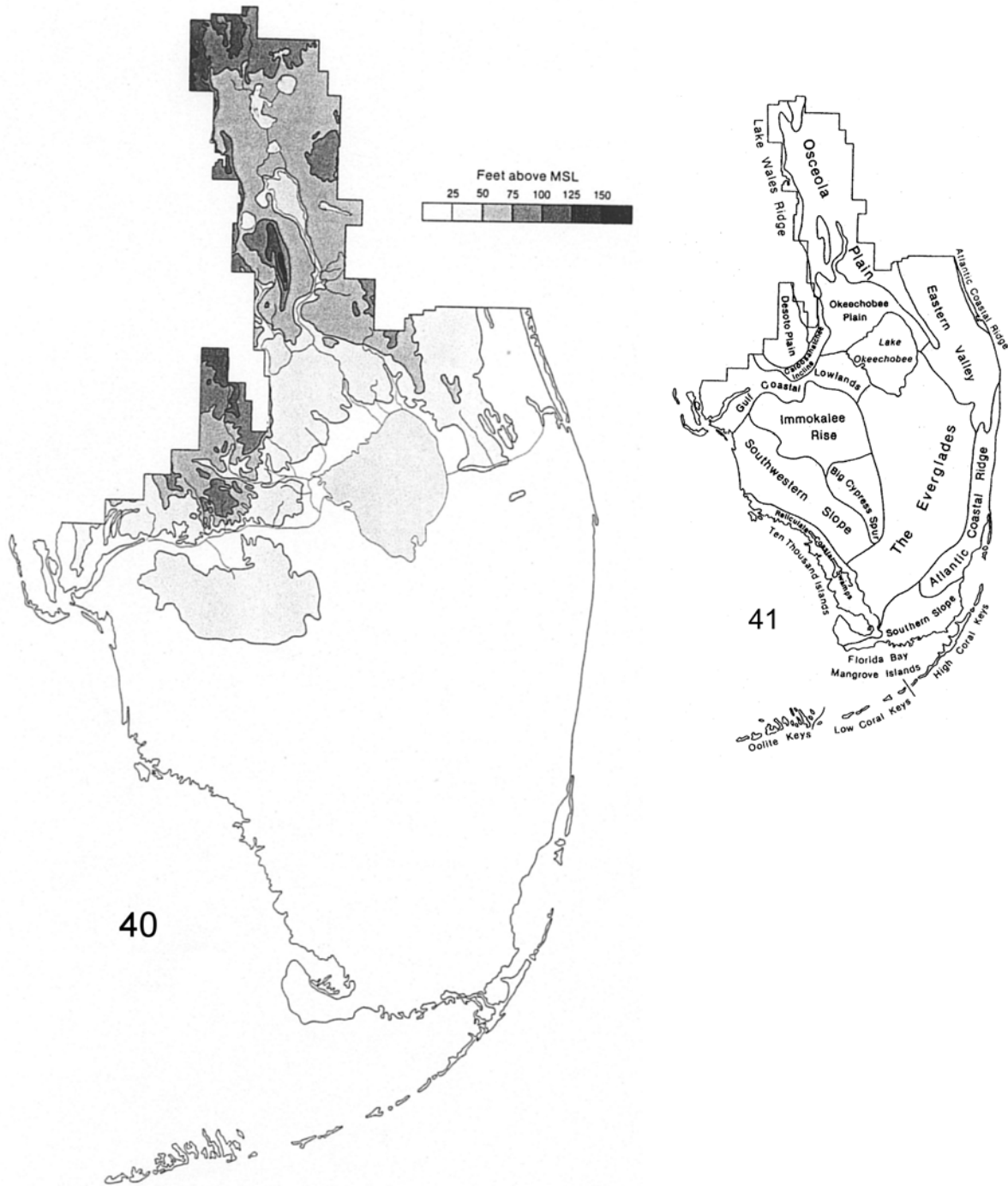


Fig. 40-41. South Florida features: 40) Topography (contours are in 50 ft. intervals). 41) Physiographic regions (after Fernald and Patton, 1984).

hills in the inland counties, such as De Soto and Glades County, and the interior portions of others, such as Manatee and Charlotte Counties. Soils are predominantly sandy in the flatwoods, sometimes with a marl layer beneath. The Everglades are composed of peat

(often called muck) over sand or limestone, forming a very rich soil when drained of its surface water. Coastal areas have sand dunes and salt marshes in the few remaining undeveloped coastal areas. Major drainage is provided by the gently sloping Everglades swamps,

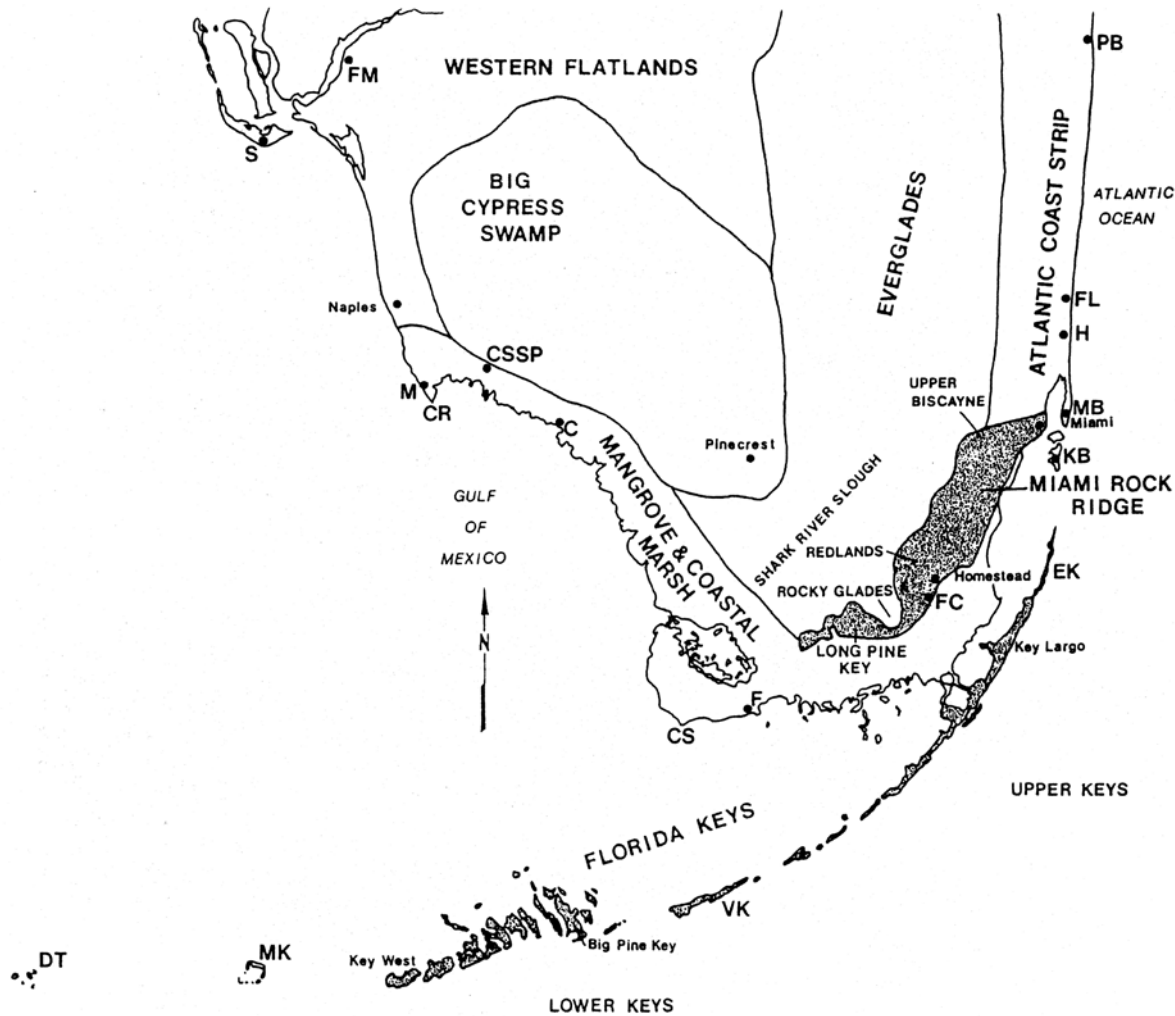


Fig. 42. South Florida regions and locations, with some locations denoted by letters: Chokoloskee (C), Cape Romano (CR), Cape Sable (CS), Collier-Seminole State Park (CSSP), Dry Tortugas (DT), Elliott Key (EK), Fleming (F), Florida City (FC), Fort Lauderdale (FL), Fort Myers (FM), Hollywood (H), Key Biscayne and Cape Florida (KB), Marco (M), Marquesas Keys (MK), Miami Beach (MB), Palm Beach (PB), Sanibel Island (S), and Vaca Key (VK) (modified from Myers and Ewel, 1990).

draining from the the Kissimmee River and Fisheating Creek sinks of Lake Okeechobee. West Coast drainages (listed north to south) include the Little Manatee, Manatee, Myakka, Peace, and Caloosahatchee Rivers. In the Atlantic Coast counties have coastal drainage or runoff into Lake Okeechobee and the Everglades.

Vegetation in this region is mostly pine flatwoods and saw palmetto in drier areas, with more extensive palm woods, and with sawgrass in the Everglades. Some areas of hardwood hammocks and xeric live oak hammocks are found on appropriate soils, as also swamp and riverine cypress stands. Coastal areas have salt marshes, mostly with mangroves, and dune vegetation. Poor sandy areas also have scrub vegetation mixed with pines. Isolated cactus thickets occur along the Gulf

Coast. Tree islands (shrubs and small trees of willow, buttonbush, red bay, elderberry, and others, plus tropical hardwoods on higher ground) are common throughout the Everglades wherever the ground is slightly above water level.

##### 5. BIG CYPRESS SWAMP

Region V, limited to Collier County herein, conforms to the description of the subtropical Florida of Region IV, but primarily encompasses a large area of specialized habitats of the Big Cypress Swamp. Here cypress domes predominate, with such unique vegetation of South Florida as the royal palm hammocks (now largely confined to the Fakahatchee Preserve) and

sawgrass and cypress sloughs. Hardwoods are mixed in along slough margins and where the soils and drainage are compatible. Coastal areas have South Florida coastal vegetation and small dunes, as well as some areas of pine flatwoods. Drainage is primarily from Big Cypress Swamp into the rest of the Everglades.

## 6. EVERGLADES AND MIAMI RIDGE

This region (VI) primarily encompasses the Miami Ridge, as Kimball (1965) delineated the region, but herein all of Dade County is used to form the region. The notes for subtropical Florida (Region IV) apply, except that the limestone rock outcroppings of the Miami Ridge provide specialized soil areas above the Everglades (Miami elevations go to 20 feet). Drainage is from the Everglades to the west and south, with a small amount of runoff towards the East in such gaps in the Miami Ridge as the Miami River, all extensively altered by urbanization either with canals through the Everglades or with channelized rivers such as the Miami River. The northwest portion of Dade County and western Broward County includes the area of Florida with the greatest average yearly rainfall totals for the state, mostly going into the Everglades drainage. The climate is subtropical, with rare frosts possible even in Miami whenever northern cold fronts get that far south during the winter.

In addition to the inundated sawgrass swamps of the Everglades, the vegetation of this region is mainly rock ridge pine flatwoods and saw palmettos (now mostly altered by urbanization), mixed with occasional clumps of live oak hammocks, or tropical hardwood hammocks where the soil is richer. One major difference in the pine flatwoods and other hammocks of this region is the greater number of endemic or tropical understory plants. Likewise, the dominant pine of this region is the South Florida slash pine, a variety of the more northerly slash pine. Extensive mangrove forests are along most protected shorelines, as for example the southern margin of Dade County (now mostly removed in such areas as Miami due to urbanization). The tropical hardwood hammocks of this region differ from those of the Keys (Region VIII) in still having live oaks commonly around their perimeters as the vegetation merges to pine flatwoods (a few live oaks are also found on Key Largo). The two predominate exotics of the region, melaleuca or punk tree (*Melaleuca* spp.) and Australian pine (*Casuarina* spp.) are greatly altering the landscape of the Everglades (mainly melaleuca intrusions) and coastal areas such as Key Biscayne (almost entirely Australian pines and planted palms). The Miami Ridge of limestone rock (oolite) and its corresponding more specialized pinelands, extends intermittently north along the Atlantic Coast to Martin County. The Everglades portion, as in Region IV, is sawgrass interspersed with tree islands of shrubs and hammocks on higher ground.

## 7. TEN THOUSAND ISLANDS AND CAPE SABLE

This is another of the segregated regions of subtropical Florida, being primarily Everglades, mangrove islands, and a small area of higher land on the Cape Sable peninsula, all in the northern part of Monroe County. Some of the Ten Thousand Islands are also in Collier County (Region V). Soils are peat (muck) in the Everglades and sand or loamy sand and marl over limestone at Cape Sable. Drainage is the Everglades, particularly the Shark River slough.

Vegetation is sawgrass Everglades, with clumps of palms and tropical hardwood hammocks on higher ground, but mostly large areas of mangroves and mangrove islands. Cape Sable has small sand dunes and its corresponding vegetation, plus some small tropical hardwood hammocks without any borders of pine or live oaks.

## 8. TROPICAL FLORIDA KEYS

The Florida Keys (Region VIII) are a unique area of the United States, representing the only truly tropical area, now extensively altered due to development and urbanization. Although technically in a subtropical latitude, the surrounding warm ocean currents provide the region with fully tropical Caribbean vegetation and a climate free of frost. Only Key Largo has some remaining elements of more northern plants like a few live oaks, for example. The Keys are subdivided into a northern portion, the Upper Keys (Key Largo southwest to Vaca Key and Pigeon Key), where vegetation is tropical but lacking many of the more tropical plants, and a southern portion, the Lower Keys (Little Duck Key and Bahia Honda Key to Key West, and on to the Marquesas Keys and the Dry Tortugas), where a number of endemic or Caribbean plants occur. The region also includes Florida Bay, which is an area of very shallow water and numerous mangrove islands to the southern shore of Dade County, although all the Keys are in the southern part of Monroe County. Soils are loose loamy sand over limestone in the Upper Keys, but oolite limestone in the Lower Keys, the latter being the same structure as the Miami Ridge. Drainage is only runoff from the higher ridges of each island. The Keys have a maximum elevation of about 12 feet, so even small elevational changes greatly alter the kind of habitats encountered: the highest of the Keys are parts of Key Largo, Key West, and Lignumvitae Key. The Keys are relatively arid, since rainfall is often spotty during much of the year; rain showers often occur offshore and not on the islands nearby. Rainfall totals drop considerable south of Key Largo, with the driest islands being the appropriately named Dry Tortugas, about 60 miles west of Key West. The summer and autumn hurricane season is usually the main source of extensive rain for the islands.

Vegetation is tropical Caribbean, but all is extensively altered on most islands due to development and is mainly still extant only in protected reserves. Lignumvitae Key is perhaps the best preserved of the Keys, although even here the forest is secondary. The original Keys forests were long ago cut for timber by the passing Spanish ships and regularly harvested for ship timbers thereafter. However, some of the remaining forests are old secondary forests with occasional large trees, but the original forest canopy of up to 30 meter high trees is now at most only half as high.

Scrubland is found at lower elevations, merging into the mangrove zones surrounding most of the islands on the Gulf side (many mangrove shores are now altered due to development), with more beach areas on the Atlantic side. Specialized vegetation includes cactus scrublands, tropical hardwood hammocks, and Caribbean pine flatwoods mixed with endemic or Caribbean pines and palms, the latter particularly extensive on Big Pine Key. Australian pine (*Casuarina* spp.) is now commonly seen in the Keys due to urban plantings and invasive intrusions.

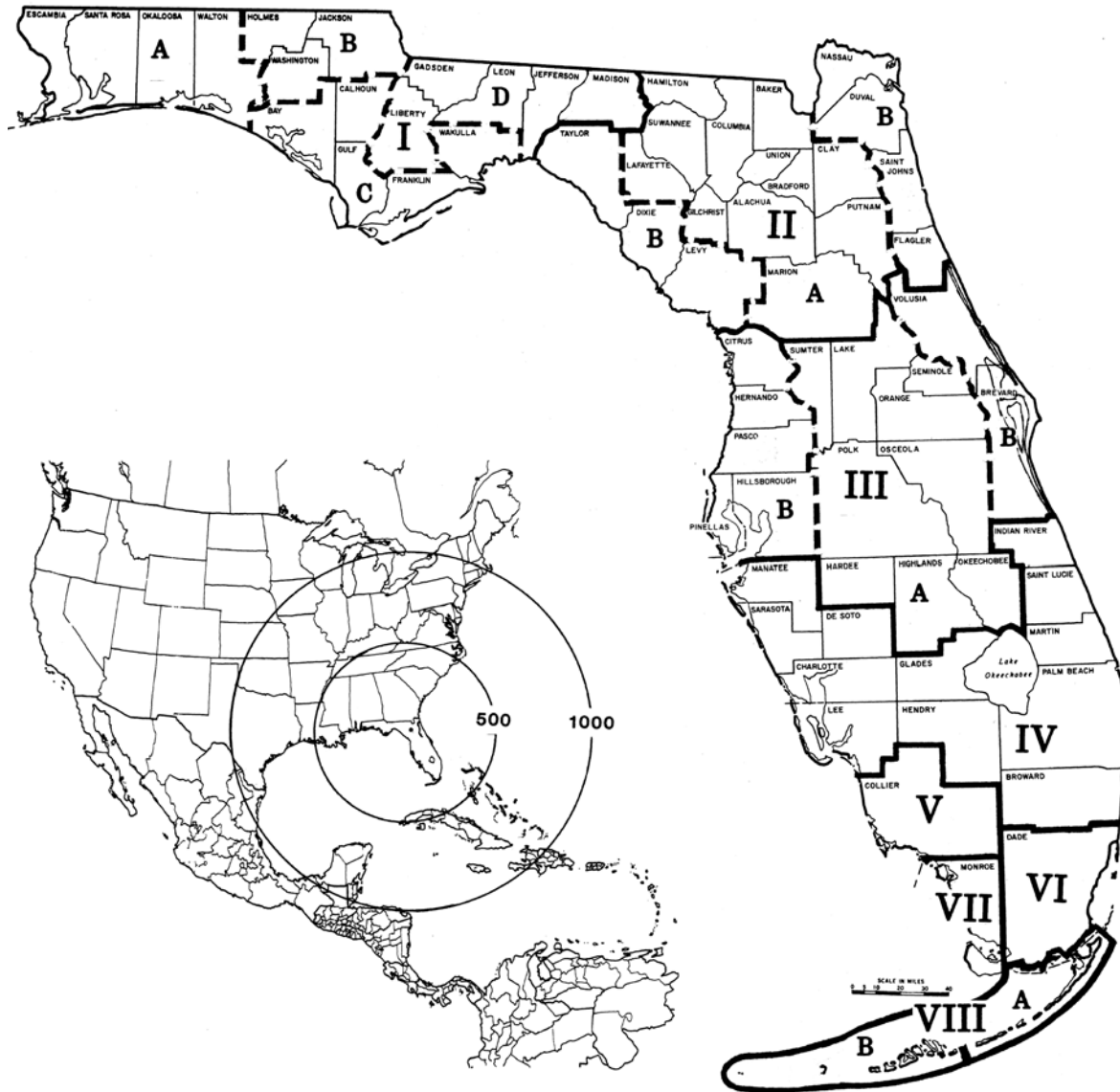


Fig. 43. Florida biogeographic regions (modified from Kimball, 1965); inset (left) shows mileage distances from mid-Florida. Divisions are noted in text pp. 20-28: I. West Florida (subdivided A-D); II. North Florida (subdivided into A, central highlands, and B, coastal areas); III. Central Florida (subdivided into A, central uplands, and B, coastal areas); IV. Subtropical Florida; V. Big Cypress Swamp; VI. Everglades and Miami Ridge; VII. Ten Thousand Islands and Cape Sable; and VIII. Tropical Florida Keys (subdivided into A, Upper Keys, and B, Lower Keys).

# GAZETTEER OF FLORIDA LOCALITIES

The present gazetteer covers localities in Florida. It is expanded from that presented by Kimball (1965) and is corrected for the shift in counties in areas I (including Madison Co.), II (including Levy, Marion, and Flagler Cos.), III (including Hardee, Highlands, and Okeechobee Cos.), IV (reduced), V (all of Collier Co.), VI (all of Dade Co.), and VII (all of northern Monroe Co.) (see Fig. 43). Miami-Dade remains Dade Co. herein. Synonymous names are in italics.

Abbreviations: Biol. Sta. (= Biological Station), N. F. (= National Forest), NWR (= National Wildlife Refuge), Res. Sta. (= Research Station), S. F. (= State Forest), S. P. (= State Park), WMA (= Wildlife Management Area).

The counties are numbered and each locality has the county number noted wherein it is found. Counties are listed alphabetically under each area heading and in the index, and by county number on p. 34.

## I. COUNTIES

Bay 7  
Calhoun 9  
Escambia 1  
Franklin 13  
Gadsden 11  
Gulf 10  
Holmes 5  
Jackson 8  
Jefferson 16  
Leon 14  
Liberty 12  
Madison 17  
Okaloosa 3  
Santa Rosa 2  
Wakulla 15  
Walton 4  
Washington 6

## LOCALITIES

Alford 8  
Apalachicola 13  
Avalon 2  
Bayou Chico 1  
Big Bayou 1  
Big Lagoon S. P. 1  
Blackwater River 2, 3  
Blackwater River S. P. 2  
Blountstown 9  
Bonifay 5  
Brent 1  
Brownsville 1  
Callaway 7  
Cape San Blas 10  
Carrabelle 13  
Century 1  
Chattahoochee 11  
Cherry Lake 17  
Chipley 6  
Chipola 9  
Clarksville 9  
Cottage Hill 1  
Crestview 3  
Dead Lake 10  
De Funiak Springs 4  
Dog Island 13  
Ensley 1  
Escambia River 1, 2  
Falling Waters S. P. 6  
Fisherville 1  
Florida Caverns S. P. 8  
Fort Gadsden 13  
Fort Walton Beach 3

Freeport 4  
Gonzalez 1  
Greenville 17  
Gulf Breeze 2  
Havana 11  
Holt 3  
Lake Iamonia 14  
Lake Miccosukee 1  
Lake Seminole 8  
Lake Stanley 4  
Lake Talquin 14  
Lamont 16  
Lanark Beach 13  
Long Beach 7  
Lynn Haven 7  
Madison 17  
Marianna 8  
McNiels 10  
Milton 2  
Monticello 16  
Mulat 2  
Munson 2  
Myrtle Grove 1  
Niceville 3  
Ochlockonee River 14, 15  
Ochlockonee River S. P. 14  
Ocean City 3  
Old Camp Torreya 12  
Panacea 15  
Panama City 7  
Paradise Beach 1  
Paxton 4  
Pensacola 1  
Perdido Key 1  
Perdido River 1  
Portland 4  
Port St. Joe 10  
Quincy 11  
Rocky Bluff 9  
St. George Island 13  
St. Joseph Peninsula 10  
St. Marks 15  
St. Vincent Island 13  
Santa Rosa 4  
Santa Rosa Island 2, 3  
Shalimar 3  
Sumatra 12  
Tallahassee 14  
Tall Timbers Res. Sta. 14  
Three Rivers S. P. 8  
Torreya S. P. 12  
Valparaiso 3  
Wakulla 15

Wakulla Springs 15  
Warrington 1  
West Pensacola 1  
Wewahitchka 10  
Woodville 14  
Wright 3

## II. COUNTIES

Alachua 28  
Baker 25  
Bradford 27  
Clay 31  
Columbia 23  
Dixie 22  
Duval 30  
Flagler 36  
Gilchrist 24  
Hamilton 19  
Lafayette 21  
Levy 34  
Marion 35  
Nassau 29  
Putnam 32  
St. Johns 33  
Suwannee 20  
Taylor 18  
Union 26

## LOCALITIES

Alachua 28  
Alton 21  
Amelia Island 29  
Anastasia Island 33  
Andalusia 36  
Andrews 29  
Anthony 35  
Archer 28  
Arlington 30  
Atlantic Beach 30  
Aucilla WMA 18  
Bellevue 35  
Boulogne 29  
Bennell 36  
Callahan 29  
Camp Blanding 31  
Capron 30  
Catocala Glen 28  
Cedar Key 34  
Chiefland 34  
Crescent Beach 33  
Crescent City 32  
Cross Creek 28

Devil's Millhopper 28  
Dinsmore 30  
Dunnellon 35  
East Gainesville 28  
East Lake Weir 35  
Elkton 33  
Espanola 36  
Fairbanks 28  
Fellowship 35  
Fernandina Beach 29  
Flagler Beach 36  
Florahome 32  
Foley 18  
Fort Clinch 29  
Fort George 30  
Gainesville 28  
Glen St. Mary 25  
Gold Head Branch S. P. 31  
Green Cove Springs 31  
Gulf Hammock 34  
Guntown 34  
Hague 28  
Hastings 33  
Hatchett Creek 28  
Hawthorne 32  
High Springs 28  
Hogarth Landing 33  
Hogtown Creek 28  
Holder 35  
Ichetucknee Springs S. P. 23  
Island Grove 28  
Jacksonville 30  
Jacksonville Beach 30  
Jonesville 28  
Juniper Springs 35  
Keystone Heights 31  
La Crosse 28  
Lake Alice 28  
Lake Butler 26  
Lake City 23  
Lake Geneva 31  
Lake Stafford 34  
Lake Weir 35  
Live Oak 20  
Lochloosa Lake 28  
Macclenny 28  
Mandarin 30  
Marineland 36  
McIntosh 35  
Micanopy 28  
Middleburg 31  
Moss Bluff 35  
Moultrie 33

Newberry 28  
 Newnan's Lake 28  
 Ocala 35  
 Ocala N. F. 35, 42  
 Ocean Pond 25  
 Okefenokee Swamp 23  
 Oklawaha 35  
 Old Town 22  
 O'Leno S. P. 28  
 Olustee 25  
 Orange Heights 28  
 Orange Lake 35  
 Orange Park 31  
 Orange Springs 35  
 Ortega 30  
 Osceola N. F. 23, 25  
 Otter Creek 34  
 Pablo Beach 30  
 Paynes Prairie 28  
 Palatka 32  
 Perry 18  
 Picolata 33  
 Prairie Creek 28  
 Raiford 26  
 Red Water Lake 32  
 River Rise 28  
 River Styx 28  
 Rochelle 28  
 Rocky Point 28  
 St. Augustine 33  
 St. Johns Bluff 30  
 San Felasco Hammock 28  
 San Mateo 32  
 Silver Springs 35  
 South Jacksonville 30  
 Starke 27  
 Steinhatchee 18  
 Steinhatchee WMA 21  
 Sugarfoot Hammock 28  
 Suwannee River S. P. 20  
 Suwannee Springs 20  
 Switzerland 33  
 Trenton 24  
 Wacahoota 28  
 Waccasassa 34  
 Waccasassa River 34  
 Waldo 28  
 Welaka 32  
 Welaka For. Sta. 32  
 Williston 34  
 Worthington Springs 26  
 Yankeetown 34  
 Yulee 29

### III. COUNTIES

Brevard 45  
 Citrus 38  
 Hardee 51  
 Hernando 39  
 Highlands 52  
 Hillsborough 47  
 Lake 42  
 Okeechobee 53  
 Orange 44  
 Osceola 49  
 Pasco 40  
 Pinellas 46  
 Polk 48  
 Seminole 43

Sumter 41  
 Volusia 37

**LOCALITIES**

Altamonte Springs 43  
 Apopka 44  
 Archbold Biol. Stat. 52  
 Astor Park 42  
 Auburndale 48  
 Avon Park 52  
 Babson Park 48  
 Banana River 45  
 Bartow 48  
 Bayonet Point 40  
 Belleair 46  
 Bellwood 45  
 Bereah 48  
 Blanton 40  
 Blue Springs S. P. 37  
 Brandon 47  
 Brooksville 39  
 Cabbage Key 46  
 Caladesi Island S. P. 46  
 Cape Canaveral 45  
 Cassadaga 37  
 Cassia 44  
 Childs 52  
 Christmas 44  
 Chuluota 43  
 Clarcona 44  
 Clearwater 46  
 Clermont 42  
 Cocoa 45  
 Coronado Beach 37  
 Crystal Beach 46  
 Crystal River 38  
 Dade City 40  
 Daytona 37  
 Daytona Beach 37  
 De Bary 37  
 DeLand 37  
 De Leon Springs 37  
 Doctor Phillips 44  
 Dover 47  
 Dunedin 40  
 Eagle Lake 48  
 Egmont Key 47  
 Elfers 40  
 Enterprise 37  
 Eustis 42  
 Fairyland 45  
 Fern Park 42  
 Floral City 38  
 Fort Basinger 52  
 Fort Drum 53  
 Fort Green 51  
 Fort Kissimmee 52  
 Fort Meade 48  
 Fort Mellon 43  
 Fort Reed 43  
 Frostproof 48  
 Fruitland Park 42  
 Gabriella 43  
 Georgiana 45  
 Glenwood 37  
 Goldenrod 44  
 Gotha 44  
 Grand Island 42  
 Groveland 42

Gulfport 46  
 Haines City 48  
 Highlands Hammock S. P. 52  
 Holly Hill 37  
 Honeymoon Island 46  
 Howey-in-the-Hills 42  
 Indian River 45  
 Inverness 38  
 Jumeau 38  
 Kissimmee 49  
 Lacoochee 40  
 La Grange 45  
 Lady Lake 42  
 Lake Alfred 48  
 Lake Apopka 44  
 Lake Beresford 37  
 Lake Eustis 42  
 Lake George 42  
 Lake Hamilton 48  
 Lake Helen 43  
 Lake Istokpoga 52  
 Lake Josephine 52  
 Lake Kissimmee 49  
 Lakeland 48  
 Lake Louisa 42  
 Lake Lucy 42  
 Lake Okeechobee 53  
 Lake Panasoffkee 41  
 Lake Pickett 44  
 Lake Placid 52  
 Lake Thonotosassa 47  
 Lake Wales 48  
 Largo 46  
 Leesburg 42  
 Lisbon 42  
 Lockhart 44  
 Longwood 43  
 Lutz 47  
 Madeira Beach 46  
 Madeline Key 46  
 Maitland 44  
 Malabar 45  
 Mango 47  
 Markham 43  
 Melbourne 45  
 Melonville 43  
 Merritt Island 45  
 Micco 45  
 Mims 45  
 Monteverde 42  
 Monte Vista 42  
 Moon Lake 40  
 Moss Park 44  
 Mount Dora 42  
 Mullet Key 46  
 New Port Richey 40  
 New Smyrna Beach 37  
 Nobleton 59  
 Oak Hill 37  
 Ocoee 44  
 Okeechobee 53  
 Oldsmar 46  
 Ona 51  
 Orange City 37  
 Orlando 44  
 Ormond 37  
 Ormond Beach 37  
 Osteen 37  
 Oviedo 43

Paisley 42  
 Parker's Island 52  
 Pellicer Creek 3  
 Piedmont 44  
 Pierson 37  
 Plant City 47  
 Plymouth 44  
 Port Orange 37  
 Port Tampa 47  
 Rockledge 45  
 Rock Splings 44  
 St. Petersburg 46  
 San Antonio 40  
 Sand Key 46  
 Sanford 43  
 Sea Horse Key 84  
 Sebring 52  
 Seven Oaks 47  
 Shepard Lake 42  
 Silver Glen Springs 42  
 Socrum 48  
 Spring Valley 52  
 Stemper 47  
 Tampa 47  
 Tarpon Springs 46  
 Tavares 42  
 Temple Terrace 47  
 Tierra Verde 46  
 Tildenville 44  
 Titusville 45  
 Tomoka 37  
 Tomoka S. P. 37  
 Treasure Island 46  
 Umatilla 42  
 Upper Indian River 45  
 Vineland 44  
 Volco 37  
 Wauchula 51  
 Weekiwachee Springs 39  
 Wildwood 41  
 Windermere 48  
 Winter Garden 44  
 Winter Haven 48  
 Winter Park 44  
 Yalaha 42  
 Ybor City 47  
 Yeehaw Junction 49  
 Zellwood 44  
 Zephyrhills 40  
 Zolfo Springs 51

**IV. COUNTIES**

Broward 65  
 Charlotte 59  
 De Soto 58  
 Glades 60  
 Hendry 62  
 Indian River 54  
 Lee 61  
 Manatee 50  
 Martin 56  
 Palm Beach 63  
 St. Lucie 55  
 Sarasota 57

**LOCALITIES**

Alva 61  
 Anna Maria Island 50  
 Arcadia 58

Belle Glade 63  
 Biscayne Bay 6  
 Blowing Rocks S. P. 56  
 Boca Grande 61  
 Boca Raton 63  
 Bokeelia 61  
 Bonita Springs 61  
 Boynton Beach 63  
 Bradenton 50  
 Buck Key 61  
 Canal Point 63  
 Captiva 61  
 Casey Key 57  
 Charlotte Harbor 59  
 Citrus Center 60  
 Clewiston 62  
 Coconut Creek 65  
 Darling NWR 61  
 Davie 65  
 Deerfield Beach 65  
 Delray Beach 63  
 Englewood 57  
 Fellsmere 54  
 Fisheating Creek 60  
 Fort Capron 55  
 Fort Lauderdale 65  
 Fort Myers 61  
 Fort Ogden 58  
 Fort Pierce 55  
 Fruitville 57  
 Gasparilla Island 59, 61  
 Gillette 50  
 Grove City 59  
 Hallandale 65  
 Hillsboro 65  
 Hobe Sound 56  
 Hollywood 65  
 Hypoluxo 63  
 Indian River Shores 54  
 Indiantown 56  
 Jensen Beach 56  
 J. Dickinson S. P. 56  
 J.D. MacArthur Beach S.P. 63  
 Juno Beach 63  
 Jupiter 63  
 Koreshan S. P. 61  
 La Belle 62  
 Lake Park 63  
 Lake Worth 63  
 Lantana 63  
 Laurel 57  
 Lehigh Acres 61  
 Longboat Key, 50, 57  
 Loxahatchee 63  
 Manasota Key 59  
 Moore Haven 60  
 Myakka 57  
 Myakka City, 50  
 Myakka River S. P. 57  
 New Port Comfort 59  
 Okeelanta 63  
 Oneco 50  
 Osprey 57  
 Pahokee 63  
 Palma Sola 50  
 Palm Beach 63  
 Palmdale 60  
 Palmetto 50  
 Palmetto Key 61

Parrish 50  
 Perico Island 50  
 Pine Island 61  
 Pompano Beach 65  
 Port St. Lucie 55  
 Port Sewall 56  
 Punta Gorda 59  
 Riviera 63  
 Rye 50  
 Sanibel Island 61  
 Sarasota 57  
 Sebastian 54  
 Siesta Key 57  
 Snapper Point 60  
 South Bay 63  
 South Miami 60  
 Stuart 56  
 Tequesta 63  
 Terra Ceia 50  
 Useppa Island 61  
 Venice 57  
 Venus 52  
 Vero Beach 54  
 Wabasso Beach 54  
 West Hollywood 65  
 West Palm Beach 63

## V. COUNTIES

Collier 64

### LOCALITIES

Allen River 64  
 Big Cypress Swamp 64  
 Cape Romano 64  
 Chokoloskee 64  
 Collier-Seminole S. P. 64  
 Copeland 64  
 Corkscrew Swamp 64  
 Deep Lake 64  
 Everglade 64  
 Everglades City 64  
 Fakahatchee Strand 64  
 Golden Gate Estates 64  
 Goodland 64  
 Immokalee 64  
 Lake Trafford 64  
 Marco 64  
 Miles City 64  
 Monroe Station 64  
 Naples 64  
 Royal Palm Hammock 64  
 Royal Palm State Park 64  
 Sunniland 64  
 Vanderbilt Beach 64

## VI. COUNTIES

Dade (Miami-Dade) 66

### LOCALITIES

Brickell Hammock 66  
 Cape Florida 66  
 Coconut Grove 66  
 Coral Gables 66  
 Cutler 66  
 Cutler Ridge 66  
 Elliott Key 66  
 Everglades National Park 66  
 Fairchild Gardens 66

Florida City 66  
 Fort Davis 66  
 Fuchs Hammock 66  
 Goulds 66  
 Grossman Hammock 66  
 Hialeah 66  
 Homestead 66  
 Indian Creek 66  
 Kendall 66  
 Key Biscayne 66  
 Lemon City 66  
 Long Pine Key, ENP 66  
 Mahogany Hammock 66  
 Matheson Hammock 66  
 Medley 66  
 Miami 66  
 Miami Beach 66  
 Modello 66  
 Naranja 66  
 North Miami 66  
 North Miami Beach 66  
 Ochopee 66  
 Opalocka 66  
 Paradise Key 66  
 Perrine 66  
 Princeton 66  
 Redlands 66  
 Rhodes Key 66  
 Royal Palm Hammock 66  
 Royal Palm State Park 66

## VII. COUNTIES

Monroe (in part) 67

### LOCALITIES

Cape Sable 67  
 Coot Bay 67  
 Crocodile Point 67  
 Flamingo, ENP 67

## VIII. COUNTIES

Monroe (in part) 67

### LOCALITIES

Angelfish Key 67  
 Bahia Honda S. P. 67  
 Big Pine Key 67  
 Bone Fish Key 67  
 Craig 67  
 Cudjo Key 67  
 Dry Tortugas 67  
 Fleming Key 67  
 Garden Key 67  
 Loggerhead Key 67  
 Islamorada 67  
 Key Deer Preserve 67  
 Key Largo 67  
 Key Largo Key 67  
 Key Vaca 67  
 Key West 67  
 Lignumvitae Key 67  
 Little Torch Key 67  
 Loggerhead Key 67  
 Long Key 67  
 Long Pine Key 67  
 Lower Matecumbe Key 67  
 Marathon 67  
 Marquesas Keys 67

Middle Torch Key 67  
 No Name Key 67  
 Pine Key 67  
 Plantation Key 67  
 Planters Point 67  
 Stock Island 67  
 Sugarloaf Key 67  
 Summerland Key 67  
 Tavernier 67  
 Tom Harbor 67  
 Torch Keys 67  
 Upper Matecumbe Key 67  
 Windley Key 67

### UNLOCATED

Camp Pinchot  
 Cold Harbor  
 Fort Schuyler  
 Lake Beach  
 Rockdale  
 Willmington  
 Williamsburg



## GAZETTEER INDEX

- Alachua 28  
 Alachua Co. 28  
 Alford 8  
 Allen River 64  
 Altamonte Springs 43  
 Alton 21  
 Alva 61  
 Amelia Island 29  
 Anastasia Island 33  
 Andalusia 36  
 Andrews 29  
 Angelfish Key 67  
 Anna Maria Island 50  
 Anthony 35  
 Apalachicola 13  
 Apopka 44  
 Arcadia 58  
 Archbold Biol. Sta. 52  
 Archer 28  
 Arlington 30  
 Astor Park 42  
 Atlantic Beach 30  
 Auburndale 48  
 Aucilla WMA 18  
 Avalon 2  
 Avon Park 52  
 Babson Park 48  
 Bahia Honda S. P. 67  
 Baker Co. 25  
 Banana River 45  
 Bartow 48  
 Bay Co. 7  
 Bayonet Point 40  
 Bayou Chico 1  
 Belle Glade 63  
 Belleair 46  
 Belleview 35  
 Bellwood 45  
 Bereah 48  
 Big Bayou 1  
 Big Cypress Swamp 64  
 Big Lagoon S. P. 1  
 Big Pine Key 67  
 Biscayne Bay 6  
 Blackwater River 2, 3  
 Blackwater River S. P. 2  
 Blanton 40  
 Blountstown 9  
 Blowing Rocks S. P. 56  
 Blue Springs S. P. 37  
 Boca Grande 61  
 Boca Raton 63  
 Bokeelia 61  
 Bone Fish Key 67  
 Bonifay 5  
 Bonita Springs 61  
 Boulogne 29  
 Boynton Beach 63  
 Bradenton 50  
 Bradford Co. 27  
 Brandon 47  
 Brent 1  
 Brevard Co. 45  
 Brickell Hammock 66  
 Brooksville 39  
 Broward Co. 65  
 Brownsville 1  
 Buck Key 61  
 Bunnell 36  
 Cabbage Key 46  
 Caladesi Island S. P. 46  
 Calhoun Co. 9  
 Callahan 29  
 Callaway 7
- Camp Blanding 31  
 Camp Pinchot ?  
 Canal Point 63  
 Cape Canaveral 45  
 Cape Florida 66  
 Cape Romano 64  
 Cape Sable 67  
 Cape San Blas 10  
 Capron 30  
 Captiva 61  
 Carrabelle 13  
 Casey Key 57  
 Cassadaga 37  
 Cassia 44  
 Catocala Glen 28  
 Cedar Key 34  
 Century 1  
 Charlotte Co. 59  
 Charlotte Harbor 59  
 Chattahoochee 11  
 Cherry Lake 17  
 Chiefland 34  
 Childs 52  
 Chipley 6  
 Chipola 9  
 Chokoloskee 64  
 Christmas 44  
 Chuluota 43  
 Citrus Center 60  
 Citrus Co. 38  
 Clarcona 44  
 Clarksville 9  
 Clay Co. 31  
 Clearwater 46  
 Clermont 42  
 Clewiston 62  
 Cocoa 45  
 Coconut Creek 65  
 Coconut Grove 66  
 Cold Harbor ?  
 Collier Co. 64  
 Collier-Seminole S. P. 64  
 Columbia Co. 23  
 Coot Bay 67  
 Copeland 64  
 Coral Gables 66  
 Corkscrew Swamp 64  
 Coronado Beach 37  
 Cottage Hill 1  
 Craig 67  
 Crescent Beach 33  
 Crescent City 32  
 Crestview 3  
 Crocodile Point 67  
 Cross Creek 28  
 Crystal Beach 46  
 Crystal River 38  
 Cudjo Key 67  
 Cutler 66  
 Cutler Ridge 66  
 Dade City 40  
 Dade Co. 66  
 Darling NWR 61  
 Davie 65  
 Daytona 37  
 Daytona Beach 37  
 De Bary 37  
 De Funiak Springs 4  
 De Leon Springs 37  
 De Soto Co. 58  
 Dead Lake 10  
 Deep Lake 64  
 Deerfield Beach 65  
 DeLand 37
- Delray Beach 63  
 Devil's Millhopper 28  
 Dinsmore 30  
 Dixie Co. 22  
 Doctor Phillips 44  
 Dog Island 13  
 Dover 47  
 Dry Tortugas 67  
 Dunedin 40  
 Dunnellon 35  
 Duval Co. 30  
 Eagle Lake 48  
 East Gainesville 28  
 East Lake Weir 35  
 Egmont Key 47  
 Elfers 40  
 Elkton 33  
 Elliott Key 66  
 Englewood 57  
 Ensley 1  
 Enterprise 37  
 Escambia Co. 1  
 Escambia River 1, 2  
 Espanola 36  
 Eustis 42  
*Everglade* 64  
 Everglades City 64  
 Everglades National Park 66  
 Fakahatchee Strand 64  
 Fairbanks 28  
 Fairchild Gardens 66  
 Fairyland 45  
 Falling Waters S. P. 6  
 Fellowship 35  
 Fellsmere 54  
 Fern Park 42  
 Fernandina Beach 29  
 Fisheating Creek 60  
 Fisherville 1  
 Flagler Beach 33  
 Flagler Co. 36  
 Flamingo, ENP 67  
 Fleming Key 67  
 Florahome 32  
 Floral City 38  
 Florida Caverns S. P. 8  
 Florida City 66  
 Foley 18  
 Fort Basinger 52  
 Fort Capron 55  
 Fort Clinch 29  
*Fort Davis* 66  
 Fort Drum 53  
 Fort Gadsden 13  
 Fort George 30  
 Fort Green 51  
 Fort Kissimmee 52  
 Fort Lauderdale 65  
 Fort Meade 48  
 Fort Mellon 43  
 Fort Myers 61  
 Fort Ogden 58  
 Fort Pierce 55  
 Fort Reed 43  
 Fort Schuyler ?  
 Fort Walton Beach 3  
 Franklin Co. 13  
 Freeport 4  
 Frostproof 48  
 Fruitland Park 42  
 Fruitville 57  
 Fuchs Hammock 66  
 Gabriella 43  
 Gadsden Co. 11
- Gainesville 28  
 Garden Key 67  
 Gasparilla Island 59, 61  
 Georgiana 45  
 Gilchrist Co. 24  
 Gillette 50  
 Glades Co. 60  
 Glen St. Mary 25  
 Glenwood 37  
 Gold Head Branch S. P. 31  
 Golden Gate Estates 64  
 Goldenrod 44  
 Gonzalez 1  
 Goodland 64  
 Gotha 44  
 Goulds 66  
 Grand Island 42  
 Green Cove Springs 31  
 Greenville 17  
 Grossman Hammock 66  
 Grove City 59  
 Groveland 42  
 Gulf Breeze 2  
 Gulf Co. 10  
 Gulf Hammock 34  
 Gulfport 46  
 Guntown 34  
 Hague 28  
 Haines City 48  
 Hallandale 65  
 Hamilton Co. 19  
 Hardee Co. 51  
 Hastings 33  
 Hatchett Creek 28  
 Havana 11  
 Hawthorne 32  
 Hendry Co. 62  
 Hernando Co. 39  
 Hialeah 66  
 High Springs 28  
 Highlands Co. 52  
 Highlands Hammock S. P. 52  
 Hillsboro 65  
 Hillsborough Co. 47  
 Hobe Sound 56  
 Hogarth Landing 33  
 Hogtown Creek 28  
 Holder 35  
 Holly Hill 37  
 Hollywood 65  
 Holmes Co. 5  
 Holt 3  
 Homestead 66  
 Honeymoon Island 46  
 Howey-in-the-Hills 42  
 Hypoluxo 63  
 Ichetucknee Springs S. P. 23  
 Immokalee 64  
 Indian Creek 67  
 Indian River 45  
 Indian River Co. 54  
 Indian River Shores 54  
 Indiantown 56  
 Inverness 38  
 Islamorada 67  
 Island Grove 28  
 Jackson Co. 8  
 Jacksonville 30  
 Jacksonville Beach 30  
 Jefferson Co. 16  
 Jensen Beach 56  
 J. Dickinson S. P. 56  
 J.D. MacArthur Beach S.P. 63  
 Jonesville 28

- Jumeau 38  
 Juniper Springs 35  
 Juno Beach 63  
 Jupiter 63  
 Kendall 66  
 Key Biscayne 66  
 Key Deer Preserve 67  
 Key Largo 67  
 Key Largo Key 67  
 Key Vaca 67  
 Key West 67  
 Keystone Heights 31  
 Kissimmee 49  
 Koreshan S. P. 61  
 La Belle 62  
 La Crosse 28  
 La Grange 45  
 Lacoochee 40  
 Lady Lake 42  
 Lafayette Co. 21  
 Lake Alfred 48  
 Lake Alice 28  
 Lake Apopka 44  
 Lake Beach ?  
 Lake Beresford 37  
 Lake Butler 26  
 Lake City 23  
 Lake Co. 42  
 Lake Eustis 42  
 Lake Geneva 31  
 Lake George 42  
 Lake Hamilton 48  
 Lake Helen 43  
 Lake Iamonia 14  
 Lake Istokpoga 52  
 Lake Josephine 52  
 Lake Kissimmee 49  
 Lake Louisa 42  
 Lake Lucy 42  
 Lake Miccosukee 1  
 Lake Okeechobee 53  
 Lake Panasoffkee 41  
 Lake Park 63  
 Lake Pickett 44  
 Lake Placid 52  
 Lake Seminole 8  
 Lake Stafford 34  
 Lake Stanley 4  
 Lake Talquin 14  
 Lake Thonotosassa 47  
 Lake Trafford 64  
 Lake Wales 48  
 Lake Weir 35  
 Lake Worth 63  
 Lakeland 48  
 Lamont 113  
 Lanark Beach 13  
 Lantana 63  
 Largo 46  
 Laurel 57  
 Lee Co. 61  
 Leesburg 42  
 Lehigh Acres 61  
*Lemon City* 66  
 Leon Co. 14  
 Levy Co. 34  
 Liberty Co. 12  
 Lignumvitae Key 67  
 Lisbon 42  
 Little Torch Key 67  
 Live Oak 20  
 Lochloosa Lake 28  
 Lockhart 44  
 Loggerhead Key 67  
 Long Beach 7  
 Long Key 67  
 Long Pine Key 67  
 Long Pine Key, ENP 66  
 Longboat Key, 50, 57  
 Longwood 43  
 Lower Matecumbe Key 67  
 Loxahatchee 63  
 Lutz 47  
 Lynn Haven 7  
 Macclenny 28  
 Madeira Beach 46  
 Madeline Key 46  
 Madison 17  
 Madison Co. 17  
 Mahogany Hammock 66  
 Maitland 44  
 Malabar 45  
 Manasota Key 59  
 Manatee Co. 50  
 Mandarin 30  
 Mango 47  
 Marathon 67  
 Marco 64  
 Marianna 8  
 Marineland 36  
 Marion Co. 35  
 Markham 43  
 Marquesas Keys 67  
 Martin Co. 56  
 Matheson Hammock 66  
 McIntosh 35  
 McNiels 10  
 Medley 66  
 Melbourne 45  
 Melonville 43  
 Merritt Island 45  
 Miami 66  
 Miami Beach 66  
 Micanopy 28  
 Micco 45  
 Middle Torch Key 67  
 Middleburg 31  
 Miles City 64  
 Milton 2  
 Mims 45  
 Modello 66  
 Monroe Co. 67  
 Monroe Station 64  
 Monte Vista 42  
 Monteverde 42  
 Monticello 16  
 Moon Lake 40  
 Moore Haven 60  
 Moss Bluff 35  
 Moss Park 44  
 Moultrie 33  
 Mount Dora 42  
 Mulat 2  
 Mullet Key 46  
 Munson 2  
 Myakka 57  
 Myakka City, 50  
 Myakka River S. P. 57  
 Myrtle Grove 1  
 Naples 64  
 Naranja 66  
 Nassau Co. 29  
 New Port Comfort 59  
 New Port Richey 40  
 New Smyrna Beach 37  
 Newberry 28  
 Newnan's Lake 28  
 Niceville 3  
 No Name Key 67  
 Nobleton 59  
 North Miami 66  
 North Miami Beach 66  
 O'Leno S. P. 28  
 Oak Hill 37  
 Ocala 35  
 Ocala N. F. 35, 42  
 Ocean City 3  
 Ocean Pond 25  
 Ochlockonee River 14, 15  
 Ochlockonee River S. P. 14  
 Ochopee 66  
 Ocoee 44  
 Okaloosa Co. 3  
 Okeechobee 53  
 Okeechobee Co. 53  
 Okeelanta 63  
 Okefenokee Swamp 23  
 Oklawaha 35  
 Old Camp Torreya 12  
 Old Town 22  
 Oldsmar 46  
 Olustee 25  
 Ona 51  
 Oneco 50  
 Opalocka 66  
 Orange City 37  
 Orange Co. 44  
 Orange Heights 28  
 Orange Lake 35  
 Orange Park 31  
 Orange Springs 35  
 Orlando 44  
 Ormond 37  
 Ormond Beach 37  
 Ortega 30  
 Osceola Co. 49  
 Osceola N. F. 23, 25  
 Osprey 57  
 Osteen 37  
 Otter Creek 34  
 Oviedo 43  
 Pablo Beach 30  
 Pahokee 63  
 Paisley 42  
 Palatka 32  
 Palm Beach 63  
 Palm Beach Co. 63  
 Palma Sola 50  
 Palmdale 60  
 Palmetto 50  
 Palmetto Key 61  
 Panacea 15  
 Panama City 7  
 Paradise Beach 1  
*Paradise Key* 66  
 Parker's Island 52  
 Parrish 50  
 Pasco Co. 40  
 Paxton 4  
 Paynes Prairie 28  
 Pellicer Creek 3  
 Pensacola 1  
 Perdido Key 1  
 Perdido River 1  
 Perico Island 50  
 Perrine 66  
 Perry 18  
 Picolata 33  
 Piedmont 44  
 Pierson 37  
 Pine Island 61  
 Pine Key 67  
 Pinellas Co. 46  
 Plant City 47  
 Plantation Key 67  
 Planters Point 67  
 Plymouth 44  
 Polk Co. 48  
 Pompano Beach 65  
 Port Orange 37  
 Port Sewall 56  
 Port St. Joe 10  
 Port St. Lucie 55  
 Port Tampa 47  
 Portland 4  
 Prairie Creek 28  
 Princeton 66  
 Punta Gorda 59  
 Putnam Co. 32  
 Quincy 11  
 Raiford 26  
 Red Water Lake 32  
 Redlands 66  
 Rhodes Key 66  
 River Rise 28  
 River Styx 28  
 Riviera 63  
 Rochelle 28  
 Rock Splings 44  
 Rockdale ?  
 Rockledge 45  
 Rocky Bluff 9  
 Rocky Point 28  
 Royal Palm Hammock 64  
 Royal Palm Hammock 66  
*Royal Palm State Park* 64  
*Royal Palm State Park* 66  
 Rye 50  
 St. Augustine 33  
 St. George Island 13  
 St. Johns Bluff 30  
 St. Johns Co. 33  
 St. Joseph Peninsula 10  
 St. Lucie Co. 55  
 St. Marks 15  
 St. Petersburg 46  
 St. Vincent Island 13  
 San Antonio 40  
 Sand Key 46  
 San Felasco Hammock 28  
 San Mateo 32  
 Sanford 43  
 Sanibel Island 61  
 Santa Rosa 4  
 Santa Rosa Co. 2  
 Santa Rosa Island 2, 3  
 Sarasota 57  
 Sarasota Co. 57  
 Sea Horse Key 84  
 Sebastian 54  
 Sebring 52  
 Seminole Co. 43  
 Seven Oaks 47  
 Shalimar 3  
 Shepard Lake 42  
 Siesta Key 57  
 Silver Glen Springs 42  
 Silver Springs 35  
 Snapper Point 60  
 Socrum 48  
 South Bay 63  
 South Jacksonville 30  
 South Miami 60  
 Spring Valley 52  
 Starke 27  
 Steinhatchee 18  
 Steinhatchee WMA 21  
 Stemper 47  
 Stock Island 67  
 Stuart 56  
 Sugarfoot Hammock 28  
 Sugarloaf Key 67  
 Sumatra 12

|                           |                        |                        |
|---------------------------|------------------------|------------------------|
| Summerland Key 67         | Umatilla 42            | Welaka For. Sta. 32    |
| Sumter Co. 41             | Union Co. 26           | West Hollywood 65      |
| Sunniland 64              | Upper Indian River 45  | West Palm Beach 63     |
| Suwannee Co. 20           | Upper Matecumbe Key 67 | West Pensacola 1       |
| Suwannee River S. P. 20   | Useppa Island 61       | Wewahitchka 10         |
| Suwannee Springs 20       | Valparaiso 3           | Wildwood 41            |
| Switzerland 33            | Vanderbilt Beach 64    | Williamsburg ?         |
| Tall Timbers Res. Sta. 14 | Venice 57              | Williston 34           |
| Tallahassee 14            | Venus 52               | Willmington ?          |
| Tampa 47                  | Vero Beach 54          | Windermere 48          |
| Tarpon Springs 46         | Vineland 44            | Windley Key 67         |
| Tavares 42                | Volco 37               | Winter Garden 44       |
| Tavernier 67              | Volusia Co. 37         | Winter Haven 48        |
| Taylor Co. 18             | Wabasso Beach 54       | Winter Park 44         |
| Temple Terrace 47         | Wacahoota 28           | Woodville 14           |
| Tequesta 63               | Waccasassa 34          | Worthington Springs 26 |
| Terra Ceia 50             | Waccasassa River 34    | Wright 3               |
| Three Rivers S. P. 8      | Wakulla Co. 15         | Yalaha 42              |
| Tildenville 44            | Wakulla 15             | Yankeetown 34          |
| Titusville 45             | Wakulla Springs 15     | Ybor City 47           |
| Tom Harbor 67             | Waldo 28               | Yeehaw Junction 49     |
| Tomoka 37                 | Walton Co. 4           | Yulee 29               |
| Tomoka S. P. 37           | Warrington 1           | Zellwood 44            |
| Torch Keys 67             | Washington Co. 6       | Zephyrhills 40         |
| Torreya S. P. 12          | Wauchula 51            | Zolfo Springs 51       |
| Treasure Island 46        | Weekiwachee Springs 39 |                        |
| Trenton 24                | Welaka 32              |                        |

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## FLORIDA COUNTY LIST

|                  |                  |                          |
|------------------|------------------|--------------------------|
| 1 Escambia Co.   | 24 Gilchrist Co. | 47 Hillsborough Co.      |
| 2 Santa Rosa Co. | 25 Baker Co.     | 48 Polk Co.              |
| 3 Okaloosa Co.   | 26 Union Co.     | 49 Osceola Co.           |
| 4 Walton Co.     | 27 Bradford Co.  | 50 Manatee Co. [to IV]   |
| 5 Holmes Co.     | 28 Alachua Co.   | 51 Hardee Co.            |
| 6 Washington Co. | 29 Nassau Co.    | 52 Highlands Co.         |
| 7 Bay Co.        | 30 Duval Co.     | 53 Okeechobee Co.        |
| 8 Jackson Co.    | 31 Clay Co.      |                          |
| 9 Calhoun Co.    | 32 Putnam Co.    | 54 Indian River Co.      |
| 10 Gulf Co.      | 33 St. Johns Co. | 55 St. Lucie Co.         |
| 11 Gadsden Co.   | 34 Levy Co.      | 56 Martin Co.            |
| 12 Liberty Co.   | 35 Marion Co.    | 57 Sarasota Co.          |
| 13 Franklin Co.  | 36 Flagler Co.   | 58 De Soto Co.           |
| 14 Leon Co.      |                  | 59 Charlotte Co.         |
| 15 Wakulla Co.   | 37 Volusia Co.   | 60 Glades Co.            |
| 16 Jefferson Co. | 38 Citrus Co.    | 61 Lee Co.               |
| 17 Madison Co.   | 39 Hernando Co.  | 62 Hendry Co.            |
|                  | 40 Pasco Co.     | 63 Palm Beach Co.        |
| 18 Taylor Co.    | 41 Sumter Co.    | 64 Collier Co. [to V]    |
| 19 Hamilton Co.  | 42 Lake Co.      | 65 Broward Co.           |
| 20 Suwannee Co.  | 43 Seminole Co.  |                          |
| 21 Lafayette Co. | 44 Orange Co.    | 66 Dade (Miami-Dade) Co. |
| 22 Dixie Co.     | 45 Brevard Co.   |                          |
| 23 Columbia Co.  | 46 Pinellas Co.  | 67 Monroe Co.            |

## LEPIDOPTERA BIONOMICS AND DISTRIBUTIONS IN FLORIDA

Distributions of many species follow the hostplant distributions, particularly among many of the smaller moths like leafminers and among those species restricted to one or a few hostplants. Various other species are widespread, usually due to the polyphagous feeding habits of their larvae. For example, armyworms (*Spodoptera* sp.) (Noctuidae) are found most everywhere, since they are not restricted to hostplants, often feeding on almost any available plant; likewise for such polyphagous species as the io moth (*Automeris io*) (Saturniidae) and the puss caterpillar (*Megalopyge opercularis*) (Megalopygidae). Among butterflies there are similar examples, although no butterfly is quite as polyphagous as some of the moth species. Since many hostplants are also widespread, however, even some Lepidoptera restricted in their hostplant choice can be widespread: e.g., the monarch (*Danaus plexippus*) (Nymphalidae: Danainae) feeds only on milkweed plants but milkweeds are found in almost all Florida habitats, thus the monarch is also known everywhere, although seasonal.

Observing hostplant distributions often can show where various Lepidoptera can be expected to be found, since most species do not wander far from areas harboring their preferred hostplants. The maps (Fig. 44-51) in this chapter show some typical examples of distribution patterns to be found in Florida for both hostplants and Lepidopterans. Fig. 44-49 show some major tree distributions and include examples of the types of distributions found among Lepidoptera in Florida as well.

### 1. Southern Distributions

Many of the Lepidoptera in Florida have a distribution widespread throughout the southern United States, typically not too far inland, ranging along with the Southern hardwood forests of the coastal plain, and typically do not go further south than central Florida, where the Southern hardwood forests also end for the most part. This distribution is also reflective of species preferring the Southern pine habitats, although somewhat more widespread. Some of the coastal plain species range as far north along the coast as Cape Cod; likewise, a few southern species also range to the Far West. Fig. 44 shows the distribution of southern magnolia (*Magnolia grandiflora*) (Magnoliaceae), a typical example of this distribution. Lepidoptera examples would include the emperor moths (Saturniidae) *Anisota consularis*, *Callosamia securifera*, and *Citheronia sepulchralis*; the butterflies *Papilio palamedes* (Papilionidae), *Zerene cesonia*, *Eurema nicippe* (Pier-

idae), *Calephelis virginensis*, *Callophrys hesseli*, *Satyrium kingi* (Lycaenidae), *Danaus gilippus*, *Heliconius charithonia*, *Enodia portlandia*, *Neonympha areolata*, *Phyciodes phaon* (Nymphalidae), *Calpododes ethlius*, *Copaeodes minima*, *Lerema accius*, *Megathymus yuccae*, and *Urbanus proteus* (Hesperiidae).

### 2. Eastern North America

The second most common distribution for Florida Lepidoptera includes widespread eastern North American species, usually just entering southern Canada and ranging south to most of Florida and west as far as the Mississippi Valley from Canada south. A typical tree distribution is that of red maple (*Acer rubrum*) (Aceraceae) (Fig. 47).

Lepidoptera examples include the emperor moths (Saturniidae) *Actias luna*, *Anisota virginensis*, *Automeris io*, *Callosamia promethea*, *Dryocampa rubicunda*, and *Hyalophora cecropia*; the butterflies *Satyrium liparops* (Lycaenidae), and *Ancyloxypha numitor* (Hesperiidae).

### 3. Eastern United States

Like the eastern North American distributions, those species somewhat less widespread occur in Florida but are not quite so northerly as to reach Canada. A typical tree distribution is that of tuliptree (*Liriodendron tulipifera*) (Magnoliaceae) (Fig. 45).

Lepidoptera examples include the emperor moths (Saturniidae) *Anisota stigma*, *Citheronia regalis*, *Eacles imperialis*; the butterflies *Eurytides marcellus*, *Papilio cresphontes*, *Papilio polyxenes*, *Papilio troilus* (Papilionidae), *Asterocampa celtis*, *Satyroides apalachia*, *Limenitis archippus* (Nymphalidae), and *Polites origenes* (Hesperiidae).

### 4. Northern United States

A few species occurring in Florida enter the state only in a few restricted areas, typically in the panhandle of Florida, where northern plants and animals maintain a small foothold in Florida. A typical tree distribution is that of black walnut (*Juglans nigra*) (Juglandaceae), which is mainly northern in distribution and only makes a small intrusion into north Florida (Fig. 48).

Lepidoptera examples include the butterflies *Satyrium titus* (Lycaenidae), *Amblyscirtes vialis*, and *Erynnis martialis* (Hesperiidae).

### 5. North America

As in the eastern North American distribution, a few species are widespread over nearly the entire continent. Few trees have a continent-wide distribution in North America. One of the few native trees that is very widespread is quaking aspen (*Populus tremuloides*) (Salicaceae), although in more northern regions (this species does not occur naturally in Florida).

Lepidoptera examples include the emperor moths

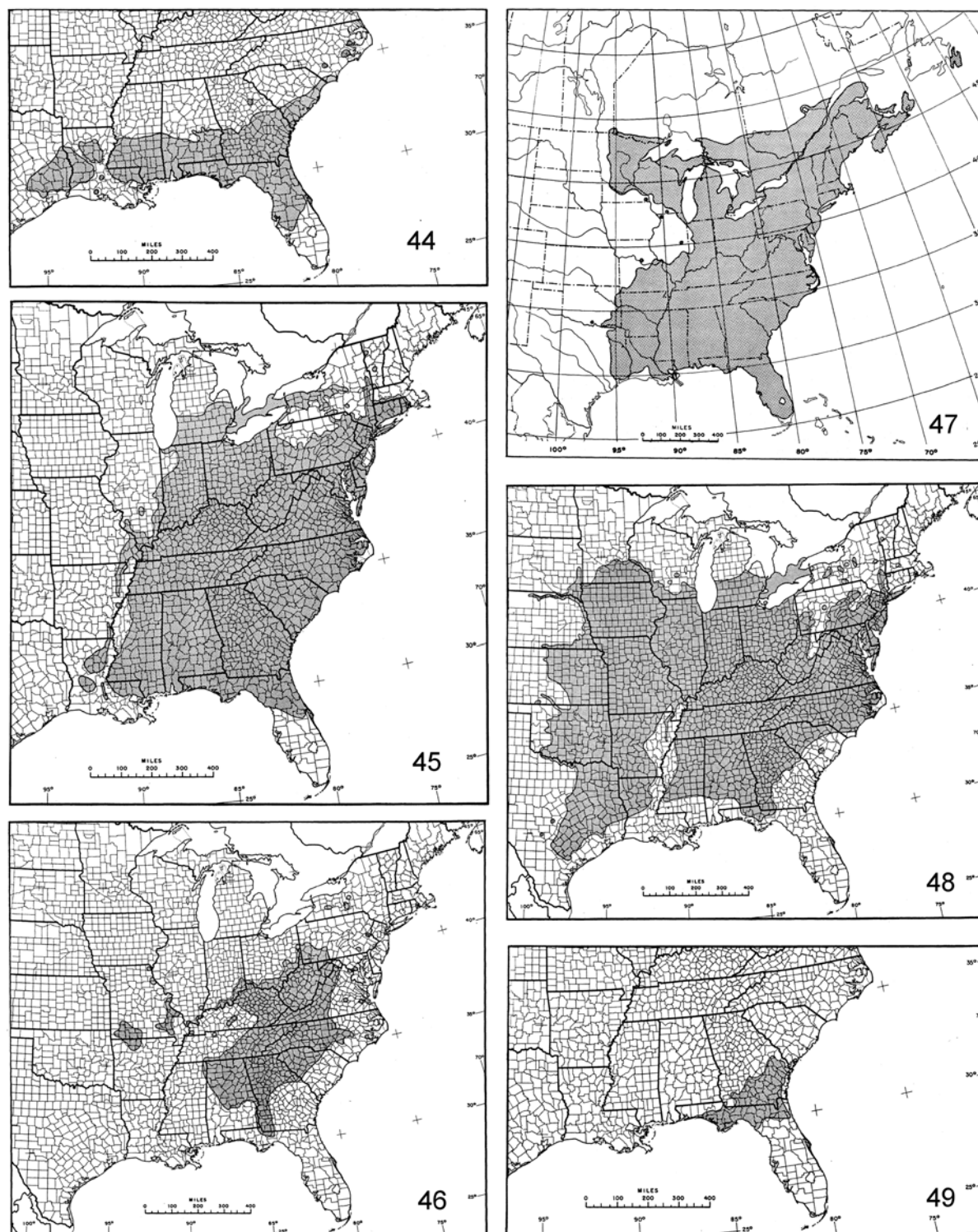


Fig. 44-49. Typical tree distributions that model Lepidoptera distribution types: 44) Southeast distribution: Southern Magnolia (*Magnolia grandiflora*). 45) Eastern United States distribution: Tuliptree (*Liriodendron tulipifera*). 46) Mid-South distribution with intrusion into North Florida: White Basswood (*Tilia heterophylla*). 47) Eastern North American distribution: Red Maple (*Acer rubrum*). 48) Northern distribution with intrusion into North Florida: Black Walnut (*Juglans nigra*). 49) Localized Florida distribution: Ogeechee Tupelo (*Nyssa ogeche*) (maps after Fowells, 1965).

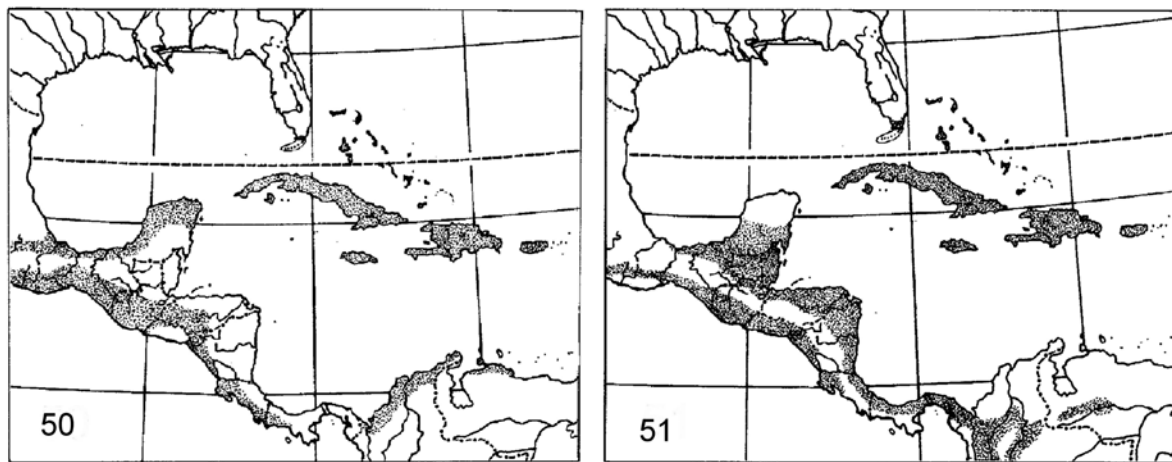


Fig. 50-51. Tropical distributions that mimic similar Lepidoptera distribution types of the Florida Keys and the Caribbean: 50) Lignum-vitae (*Guaiacum* spp.). 51) Mahogany (*Swietenia* spp.). (maps redrawn after Tomlinson, 1980).

(Saturniidae) *Antheraea polyphemus*; the butterflies *Papilio glaucus* (Papilionidae), *Colias eurytheme*, *Pieris rapae* (Pieridae), *Strymon melinus* (Lycaenidae), *Danaus plexippus*, *Junonia coenia*, *Vanessa atalanta* (Nymphalidae), *Epargyreus clarus*, *Polites themistocles*, and *Pyrgus communis* (Hesperiidae).

#### 6. Southcentral/Western Distribution

A reduced number of species have a southcentral or western distribution, often just entering northwestern Florida. A typical tree with this distribution is white basswood (*Tilia heterophylla*) (Tiliaceae) (Fig. 46).

Examples of Lepidoptera include the emperor moths (Saturniidae) *Anisota peigleri*; the butterflies *Anthocharis midea* (Pieridae), *Amblyscirtes belli*, *Autochthon cellus*, *Problema byssus* (Hesperiidae); the hawk moth *Sphinx franckii* (Sphingidae); and the fungus moth *Phaeoses sabinella* (Tineidae).

#### 7. Endemic and Border Species

There are a number of endemic species of Lepidoptera in Florida (see p. 40), mostly in South Florida, but a few are only in Florida or nearby border areas of Georgia and Alabama. Florida has many endemic plants, mainly herbs and other small plants. One of the few tree species that shows a restricted distribution that is mainly in Florida is Ogeechee tupelo (*Nyssa ogeche*) (Nyssaceae) (Fig. 49).

Lepidoptera examples include the butterflies *Papilio aristodemus ponceanus* (Papilionidae), *Eumaeus atala* (although both have nominate subspecies in the Bahamas); the metalmark moth *Hemerophila diva* (Choreutidae); the sedge moth *Glyphipterix floridensis* (Glyphipterigidae); the aquatic moth *Petrophila santafealis* (Pyralidae); and the wasp moth *Didasys belae* (Arctiidae).

#### 8. Tropical Elements

Florida has the greatest number of tropical species in North America that are permanent residents and not just casual strays, primarily in extreme southern Florida and the Keys, but also to a lesser extent in such places as Sanibel Island on the Gulf Coast. Florida has numerous Caribbean and other tropical plants in the southernmost areas of the state. Most are widespread tropical elements, but a few are endemic, especially some of the species in the Florida Keys. Typical plant distributions include the Miami area and the Florida Keys as a northern extension of a widespread tropical species: for example, lignum-vitae (*Guaiacum* spp.) (Zygophyllaceae) (Fig. 50) and mahogany (*Swietenia* spp.) (Meliaceae) (Fig. 51).

Lepidoptera examples include the butterflies *Papilio androgeus* (Papilionidae), *Phoebis statira*, *Eurema boisduvaliana*, *Ascia monuste* (Pieridae), *Chlorostymon maesites*, *Strymon columella*, *Ministrymon azia* (Lycaenidae), *Danaus eresimus*, *Dryas iulia*, *Eunica tatila*, *Marpesia petreus*, *Phyciodes frisia*, *Siproeta stelenes* (Nymphalidae), *Epargyreus zestos*, *Nyctelius nyctelius*, *Phocides pygmalion*, *Polygonus leo*, *Pyrgus oileus*, *Urbanus dorantes* (Hesperiidae); the hawk moths *Cocytius antaeus*, *Xylophanes pluto* (Sphingidae); the wasp moth *Syntomeida epilais* (Arctiidae); and the owlet moth *Ascalapha odorata* (Noctuidae).

#### 9. Introduced Species

As in most of North America, and most of the world for some species, Florida has a number of introduced species of Lepidoptera, mainly household pests that are basically domesticated species. Besides the household pests, tropical Florida is somewhat ill fated in this respect, due to its mild climate, that any number of tropical plants and animals can become established. The results of the horticultural introductions of such plants as Australian pine (*Casuarina* spp.) (Casuarinaceae) and melaleuca or punk tree (*Melaleuca quinquenervia*)

## EXOTIC LEPIDOPTERA IN FLORIDA

In the following tabulation, all known introduced exotic species in Florida are listed alphabetically by family and genus, with dates of entrance into the USA and dates of known entrance into Florida, their original homeland, and the kind of damage they cause. An asterisk (\*) indicates those species intentionally introduced for the biological control of exotic weeds in Florida. Adventive species, periodically becoming established from the West Indies, are excluded from this list (Frank *et al.* 1997).

| Name                             | Dates  |         | Florida        | Origin            | Damage                |
|----------------------------------|--------|---------|----------------|-------------------|-----------------------|
|                                  | USA    | Florida | Introduction   |                   |                       |
| <b>ARCTIIDAE</b>                 |        |         |                |                   |                       |
| <i>Empyreuma affinis</i>         | 1978   | 1978    | Palm Beach Co. | Bahamas           | oleander pest         |
| <b>ARGYRESTHIIDAE</b>            |        |         |                |                   |                       |
| <i>Argyresthia conjugella</i>    | 1620s? | 1830s?  | North Florida  | Europe            | apple pest            |
| <b>ELACHISTIDAE</b>              |        |         |                |                   |                       |
| <i>Dicranoctetes saccharella</i> | 1982   | 1982    | Hendry Co.     | Cuba              | sugarcane leafminer   |
| <b>GELECHIIDAE</b>               |        |         |                |                   |                       |
| <i>Anarsia lineatella</i>        | 1620s? | 1830s?  | North Florida  | South Asia/Europe | peach pest            |
| <i>Brachyacma palpigera</i>      | ?      | ?       | ?              | Africa            | soybean pest          |
| <i>Dichomeris marginella</i>     | 1910   | 1960    | Volusia Co.    | Europe            | juniper pest          |
| <i>Keiferia lycopersicella</i>   | 1923   | 1932    | Manatee Co.    | West Indies       | fruit borer           |
| <i>Metzneria lappella</i>        | ?      | ?       | North Florida  | Europe            | burdock pest          |
| <i>Pectinophora gossypiella</i>  | 1917   | ?       | West Florida   | India             | cotton bollworm       |
| <i>Phthorimaea operculella</i>   | 1870?  | 1892?   | North Florida  | Peru              | potato pest           |
| <i>Sitotroga cerealella</i>      | 1728   | 1885?   | North Florida  | Europe            | grain pest            |
| <i>Symmetrischema capsicum</i>   | 1986   | 1986    | Dade Co.       | West Indies       | pepper pest           |
| <b>GRACILLARIIDAE</b>            |        |         |                |                   |                       |
| <i>Phyllocnistis citrella</i>    | 1993   | 1993    | Dade Co.       | SE Asia           | citrus leafminer      |
| <b>HESPERIIDAE</b>               |        |         |                |                   |                       |
| <i>Urbanus dorantes</i>          | 1920?  | 1969    | Collier Co.    | West Indies       | legume feeder         |
| <b>HYBLAEIDAE</b>                |        |         |                |                   |                       |
| <i>Hyblaea puera</i>             | 1920s? | 1920s?  | Monroe Co.     | West Indies/India | mahogany pest         |
| <b>LYCAENIDAE</b>                |        |         |                |                   |                       |
| <i>Hemiargus ammon</i>           | 1998   | 1998    | Monroe Co.     | West Indies       | legume feeder         |
| <b>LYMANTRIIDAE</b>              |        |         |                |                   |                       |
| <i>Lymantria dispar</i> [stray]  | 1869   | 1971    | Escambia Co.   | Europe            | forest pest           |
| <b>LYONETHIDAE</b>               |        |         |                |                   |                       |
| <i>Bedellia somnulentella</i>    | 1860?  | 1940?   | South Florida  | Europe            | sweetpotato leafminer |
| <b>NOCTUIDAE</b>                 |        |         |                |                   |                       |
| <i>Agrotis ipsilon</i>           | 1565?  | 1565?   | ?St. Johns Co. | Europe            | vegetable pest        |
| <i>Peridroma saucia</i>          | 1565?  | 1565?   | ?St. Johns Co. | Europe            | vegetable pest        |
| <i>Trichoplusia ni</i>           | 1565?  | 1565?   | ?St. Johns Co. | Europe            | cabbage pest          |
| <b>OECOPHORIDAE</b>              |        |         |                |                   |                       |
| <i>Autosticha kyotensis</i>      | 1970s? | ?       | North Florida  | Japan             | detritus feeder       |
| <i>Martyringa xeraula</i>        | ?      | ?       | North Florida  | Europe            | detritus feeder       |
| <b>PIERIDAE</b>                  |        |         |                |                   |                       |
| <i>Pieris rapae</i>              | 1856   | 1874    | Franklin Co.   | Europe            | cabbage pest          |
| <b>PLUTELLIDAE</b>               |        |         |                |                   |                       |
| <i>Plutella porrectella</i>      | 1860s? | 1890?   | ?North Florida | Europe            | crucifer pest         |
| <i>Plutella xylostella</i>       | 1854   | 1890?   | ?North Florida | Europe            | cabbage pest          |
| <b>PYRALIDAE</b>                 |        |         |                |                   |                       |
| <i>Achroia grisella</i>          | 1565?  | 1565?   | ?St. Johns Co. | Europe            | bee hive pest         |
| <i>Aglossa caprealis</i>         | 1565?  | 1565?   | ?St. Johns Co. | Europe            | stored grain pest     |
| * <i>Arcola malloi</i>           | 1971   | 1971    | Orange Co.     | Argentina         | alligator weed feeder |
| <i>Cactoblastis cactorum</i>     | 1989   | 1989    | Monroe Co.     | Argentina         | opuntia cactus pest   |

|                                    |        |        |                |                     |                       |
|------------------------------------|--------|--------|----------------|---------------------|-----------------------|
| <i>Cadra cautella</i>              | 1884   | 1907   | Dade Co.       | Europe/India        | household pest        |
| <i>Cadra figulilella</i>           | 1928   | ?      | ?              | Europe              | household pest        |
| <i>Corcyra cephalonica</i>         | ?      | ?      | South Florida  | India               | rice moth             |
| <i>Diaphania indica</i>            | 1950s? | 1950s? | Monroe Co.     | Asia                | cucumber pest         |
| <i>Diatraea saccharalis</i>        | 1855   | 1890   | South Florida  | West Indies         | sugarcane pest        |
| <i>Ephesia elutella</i>            | 1565?  | 1565?  | ?St. Johns Co. | Europe/Africa       | household pest        |
| <i>Ephesia kuehniella</i>          | 1889   | 1900?  | North Florida  | Central Asia/Europe | household pest        |
| <i>Etiella zinckenella</i>         | 1881   | 1887   | Dade Co.       | Europe/Africa       | bean pest             |
| <i>Euchromius ocellus</i>          | 1840s? | ?      | ?              | Europe              | corn/grass feeder     |
| <i>Galleria mellonella</i>         | 1565?  | 1565?  | ?St. Johns Co. | Europe              | bee hive pest         |
| <i>Glyphodes pyloalis</i>          | ?      | ?      | Florida        | se. Asia            | mulberry leaf webber  |
| <i>Maruca vitrata</i>              | ?      | ?      | South Florida  | Asia                | bean pest             |
| * <i>Niphograptia albiguttalis</i> | 1977   | 1977   | Broward Co.    | Argentina           | waterhyacinth feeder  |
| <i>Ostrinia nubilalis</i>          | 1917   | 1945?  | West Florida   | Europe              | corn pest             |
| <i>Parapoinx diminutalis</i>       | 1975   | 1975   | Broward Co.    | SE Asia             | hydrilla leafcutter   |
| <i>Plodia interpunctella</i>       | 1565?  | 1565?  | ?St. Johns Co. | Europe/India        | household pest        |
| <i>Pyrallis farinalis</i>          | 1565?  | 1565?  | ?St. Johns Co. | Europe              | household pest        |
| <i>Trachylepidia fruticassella</i> | ?      | ?      | Florida        | Middle East         | cassia seed borer     |
| <b>TINEIDAE</b>                    |        |        |                |                     |                       |
| <i>Episcardia insectella</i>       | 1565?  | 1565?  | ?St. Johns Co. | Europe              | warehouse pest        |
| <i>Nemapogon granella</i>          | 1565?  | 1565?  | ?St. Johns Co. | Europe              | household pest        |
| <i>Niditinea fuscella</i>          | 1565?  | 1565?  | ?St. Johns Co. | Europe              | household pest        |
| <i>Opogona purpuriella</i>         | 1986   | 1986   | Dade Co.       | Hawaii              | sugarcane debris      |
| <i>Opogona sacchari</i>            | 1963   | 1963   | Dade Co.       | West Africa         | scavenger/ornamentals |
| <i>Praeacedes atomosella</i>       | ?      | ?      | ?              | Africa              | scavenger             |
| <i>Setomorpha rutella</i>          | 1700s? | 1700s? | ?St. Johns Co. | Africa              | scavenger/barnyard    |
| <i>Tinea pellionella</i>           | 1565?  | 1565?  | ?St. Johns Co. | Europe              | household pest        |
| <i>Tineola bisselliella</i>        | 1565?  | 1565?  | ?St. Johns Co. | Europe              | household pest        |
| <b>TORTRICIDAE</b>                 |        |        |                |                     |                       |
| <i>Ancylis comptana</i>            | 1620?  | 1830s? | North Florida  | Europe              | strawberry pest       |
| <i>Cydia pomonella</i>             | 1815?  | 1890s? | North Florida  | Europe              | apple pest            |
| <i>Grapholita molesta</i>          | 1912   | 1956?  | North Florida  | China               | fruit pest            |
| <i>Spilonota ocellana</i>          | 1840?  | 1890s? | North Florida  | Europe              | apple pest            |
| <b>URODIDAE</b>                    |        |        |                |                     |                       |
| <i>Homadaula anisocentra</i>       | 1940   | 1958   | Escambia Co.   | Japan               | silk tree pest        |



## LEPIDOPTERA ENDEMIC TO FLORIDA

The present listing notes those species endemic to Florida, a total of 241 species or about 8% of the fauna. Roman numbers to the right indicate the known ranges of each species within Florida according to the zones used for Florida in this book (see p. 28). Some ranges are as yet incompletely known, thus some species may in the future be removed from this list. For example, species that are known from Zone I or II may well also occur in Alabama or Georgia, making those species not endemic to Florida. Likewise, some of the undescribed species from southern Florida may well represent as yet unidentified West Indian species, again making them not endemic exclusively to Florida. Numbers by family names are the total endemic species known for Florida in that family. A few refer only to Florida subspecies.

### NEPTICULIDAE (8)

#### **Ectoedemia** Busck

58 *mesoloba* Davis, 1979

58.1 *reneella* Wilkinson, 1981

58.2 *helenella* Wilkinson, 1981

#### **Stigmella** Schrank

76.1 *inconspiculella* Newton & Wilkinson, 1982

#### **Acalyptis** Meyrick

113 *bicornutus* (Davis, 1979)

115 *tenuijuxtus* (Davis, 1979)

#### **Enteucha** Meyrick

117 *basidactyla* (Davis, 1979)

118 *gilvafascia* (Davis, 1979)

### OPOSTEGIDAE (1)

#### **Pseudopostega** Koslov

124 *kempella* (Eyer, 1967)

### TISCHERIIDAE (1)

#### **Tischeria** Zeller

130 *lucida* Braun, 1972

### PRODOXIDAE (1)

#### **Tegeticula** Zeller

198.1 *cassandra* Pellmyr, 1999

### HELIOZELIDAE (2)

#### **Antispila** Hübner

235 *eugeniella* Busck, 1900

245 *condaliae* Busck, 1900

### ACROLOPHIDAE (2)

#### **Acrolophus** Poey

350 *exaphristus* Meyrick, 1919

370.1 *pholeter* Davis, 1988

### TINEIDAE (1)

#### **Opogona** Zeller

432 *floridensis* Davis, 1978

### BUCCULATRICIDAE (2)

#### **Bucculatrix** Zeller

524 *plucheae* Braun, 1963

569 *cerina* Braun, 1963

### GRACILLARIIDAE (15)

#### **Caloptilia** Hübner

598 *bursadella* (Busck, 1900)

623 *perseae* (Busck, 1920)

636 *sebastianiella* (Busck, 1900)

#### **Neurolipa** Ely

659 *randiella* (Busck, 1900)

#### **Chilocampyla** Busck

687 *dyariella* Busck, 1900

#### **Acrocercops** Wallengren

696 *sideroxylonella* (Busck, 1900)

696.1 [n. sp.]

#### **Metriochoera** Busck

699 *psychotriella* Busck, 1900

#### **Leucanthiza** Clemens

700.1 [n. sp.]

701.1 [n. sp.]

#### **Marmara** Clemens

711 *guilandinella* Busck, 1900

716.1 [n. sp.]

#### **Cremastobombicia** Braun

724 *verbessinella* (Busck, 1900)

#### **Cameraria** Chapman

816.1 [n. sp.]

#### **Phyllocnistis** Zeller

851.2 [n. sp.]

### OECOPHORIDAE (6)

#### **Agonopteryx** Hübner

890 *amissella* (Busck, 1908)

898 *amyrisella* (Busck, 1900)

#### **Ethmia** Hübner

998.1 *powelli* Heppner, 1988

999.1 *kutisi* Heppner, 1991

#### **Menestomorpha** Walsingham

1029 *kimballi* (Duckworth, 1964)

#### **Callima** Clemens

1047 *nathrax* Hodges, 1974

### ELACHISTIDAE (3)

#### **Elachista** Treitschke

1118.2 *aristoteliella* Kaila, 1999

#### **Biselachista** Traugott-Olsen & Nielsen

1124.1 *calusella* Kaila, 1996

1132.1 *dulcinella* (Kaila, 1999)

### BLASTOBASIDAE (6)

#### **Glyphidocera** Walsingham

1138 *floridanella* Busck, 1901

1142 *septentrionella* Busck, 1904

#### **Holcocera** Clemens

1158 *coccivorella* (Chambers, 1880)

1178 *crassicornella* Dietz, 1910

#### **Blastobasis** Zeller

1160 *floridella* (Dietz, 1910)

#### **Calosima** Dietz

1169.1 *lucidella* Adamski, 1989

### COLEOPHORIDAE (6)

#### **Coleophora** Hübner

1898.1 [n. sp.]

1398.2 [n. sp.]

#### **Batrachedra** Herrich-Schäffer

1405 *testor* Hodges, 1966

1406 *busiris* Hodges, 1966

1414 *mathesoni* Busck, 1916

1415 *libator* Hodges, 1966

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**COSMOPTERIGIDAE (13)****Cosmopterix** Hübner1481 *diacula* Hodges, 19621492 *damnosa* Hodges, 1962**Pebops** Hodges1499 *ipomoeae* (Busck, 1900)**Eralea** Hodges1502 *abludius* Hodges, 1978**Malanocinctis** Hodges1506 *gnoma* Hodges, 1978**Periploca** Braun1561 *arsa* Hodges, 1978**Siskiwitia** Hodges1589 *falcata* Hodges, 1978**Walshia** Clemens1617 *floridensis* Hodges, 1978**Nepotula** Hodges1621 *secura* Hodges, 1964**Afeda** Hodges1622 *biloba* Hodges, 1978**Ithome** Chambers1640 *ferax* Hodges, 19621642 *aquila* Hodges 19781644 *simulatrix* Hodges, 1978**SCYTHRIDIDAE (2)****Scythris** Hübner

1653.1 [n. sp.]

**Rhamphura** J. Landry

1680.1 [n. sp.]

**GELECHIIDAE (18)****Nealyda** Dietz1682 *kinzelella* Busck, 19001683 *phytolaccae* Clarke, 19461684 *pisoniae* Busck, 1900**Recurvaria** Haworth

1786.1 [n. sp.]

**Coleotechnites** Chambers1800 *citriella* (Chambers, 1880)**Besciva** Busck

1841.1 [n. sp.]

**Deltophora** Janse1926 *duplicata* Sattler, 1979**Gnorimoschema** Busck

1993.1 [n. sp.]

**Chionodes** Hübner2072.2 *drapeta* Hodges, 19992072.4 *esor* Hodges, 19992087.1 *latro* Hodges, 1999**Aroga** Busck2183 *alleriella* Busck, 1940**Syncopacma** Meyrick2219 *crotalariella* (Busck, 1900)**Anacampsis** Curtis2231 *argyrothamniella* Busck, 19002240 *lagunculariella* Busck, 1900**Prostomeus** Busck2256 *brunneus* Busck, 1903**Dichomeris** Hübner2283.3 *ardelia* Hodges, 19862289.1 *achne* Hodges, 1986**ALUCITIDAE (1)****Alucita** Linnaeus

2313.1 [n. sp.]

**EPERMENIIDAE (1)****Parochromolopis** Gaedike2335 *floridana* Gaedike, 1977**GLYPHIPTERIGIDAE (7)****Neomachlotica** Heppner2336.1 *spiraee* Heppner, 1981**Glyphipterix** Hübner2336.3 *floridensis* Heppner, 1997**Diploschizia** Heppner2345.1 *minimella* Heppner, 19812345.2 *kutisi* Heppner, 19972345.3 *seminolensis* Heppner, 19972345.5 *regia* Heppner, 19812346.1 *kimballi* Heppner, 1981**YPONOMEUTIDAE (2)****Eucatagma** Busck2402 *amyrisella* Busck, 1901**Podiasa** Busck2412 *chiococcella* Busck, 1900**ARGYRESTHIIDAE (1)****Argyresthia** Hübner2452 *eugeniella* Busck, 1916**LYONETIIDAE (1)****Leucoptera** Hübner478 *guettardella* Busck, 1900**HELIODINIDAE (3)****Scelorthus** Busck2494 *pisoniella* Busck, 1900**Lamprolophus** Busck2495 *lithella* Busck, 1900**Heliodines** Stainton

2497.1 [n. sp.]

**PYRALIDAE (38)****Undulambia** Lange4741 *polystichalis* Capps, 19654742 *rarissima* Munroe, 1972**Argyrectis** Hampson4770 *drumalis* (Dyar, 1906)**Petrophila** Guilding4778 *santafealis* Heppner, 1976**Eoparargyrectis** Lange4785 *irroratalis* (Dyar, 1917)**Aethiophysa** Munroe4875 *delicata* Munroe, 1964**Plumegesta** Munroe4880 *largalis* Munroe, 1972**Lipocosma** Lederer4882 *diabata* Dyar, 1917**Dicymolomia** Zeller4893 *grisea* Munroe, 1964**Phlyctaenia** Hübner4955 *leuschneri* Munroe, 1976**Loxostege** Hübner4994 *floridalis* Barnes & McDunnough, 1913**Pyrausta** Schrank5038 *shirleyae* Munroe, 1976**Epipagis** Hübner5146 *forsythae* Munroe, 1955**Glyphodes** Guenée5199 *floridalis* (Fernald, 1901)**Palpita** Hübner5219 *kimballi* Munroe, 1959**Leptosteges** WarrenII-IV  
I-IV

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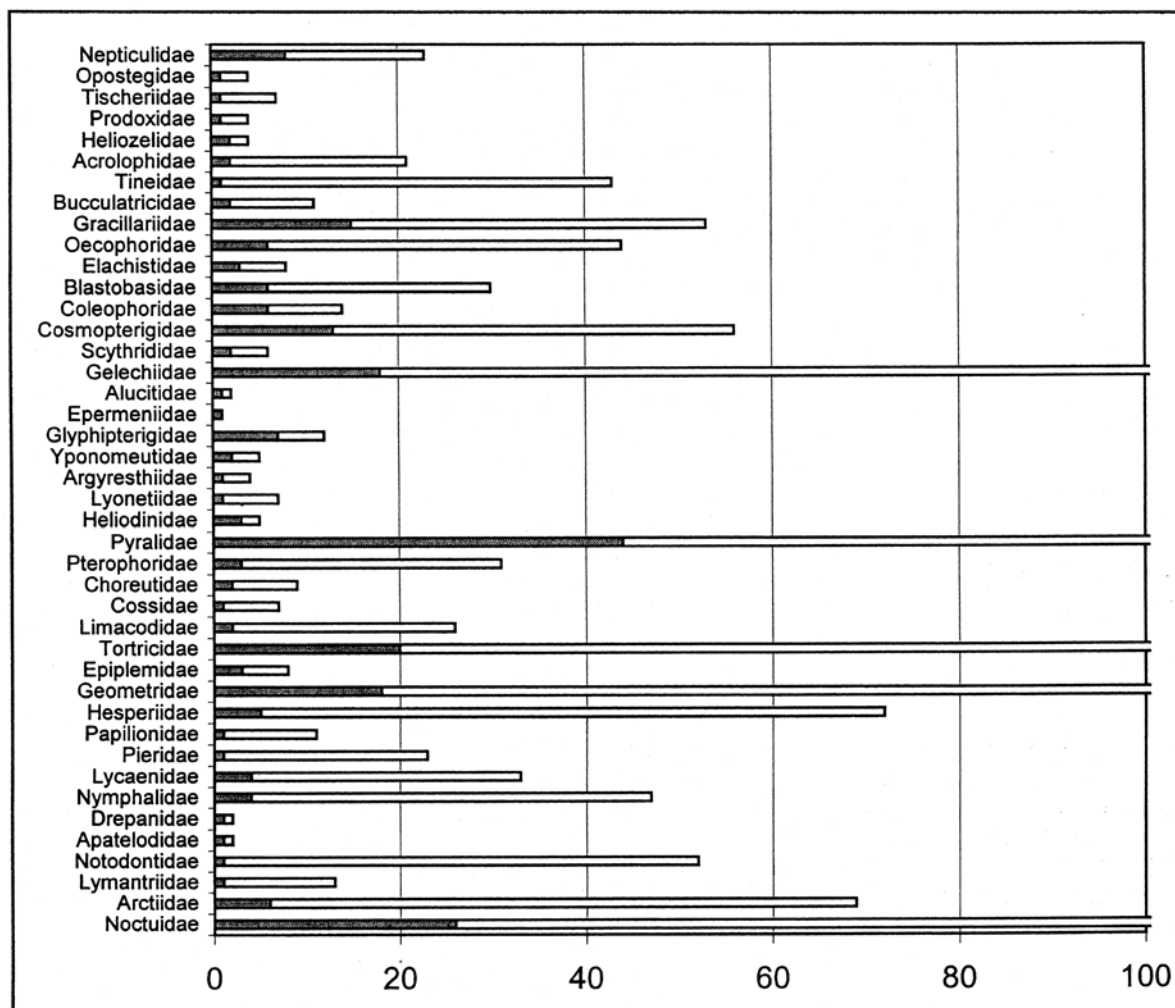
IV-VIII

III-VIII

|        |   |          |   |           |
|--------|---|----------|---|-----------|
| 5301   | <i>flavicostella</i> (Fernald, 1887)              | I-VI     | <b>Episimus</b> Walsingham                            |           |
| 5302   | <i>flavifascialis</i> (Barnes & McDunnough, 1913) | II-IV    | 2702.1 <i>burserae</i> Heppner, 1994                  | VIII      |
|        | <b>Crambus</b> Fabricius                          |          | 2702.2 <i>kimballi</i> Heppner, 1994                  | V-VIII    |
| 5367   | <i>sanfordellus</i> Klots, 1942                   | II-IV    | <b>Olethreutes</b> Hübner                             |           |
|        | <b>Thaumatoopsis</b> Morrison                     |          | 2847.1 <i>andromedana</i> (Barnes & McDunnough, 1917) | I-VI      |
| 5448   | <i>actuellia</i> Barnes & McDunnough, 1918        | III      | 2857 <i>devotana</i> Kearfott, 1907                   | I-VII     |
|        | <b>Xantippe</b> Ragonot                           |          | <b>Tsinilla</b> Heinrich                              |           |
| 5570   | <i>uranides</i> Dyar, 1921                        | I-VI     | 2865 <i>lineana</i> (Fernald, 1901)                   | IV-VI     |
| 5570.1 | [n. sp.]  | IV       | <b>Epiblema</b> Hübner                                |           |
|        | <b>Pococera</b> Zeller                            |          | 3175 <i>grossbecki</i> Heinrich, 1923                 | I-VIII    |
| 5601   | <i>floridella</i> (Hulst, 1901)                   | IV-VIII  | 3177 <i>separationis</i> Heinrich, 1923               | VIII      |
|        | <b>Macrotheca</b> Ragonot                         |          | 3179 <i>ochraceana</i> Fernald, 1901                  | IV        |
| 5638   | <i>unicoloralis</i> Barnes & McDunnough, 1913     | I-IV     | <b>Hystriophora</b> Walsingham                        |           |
|        | <b>Acrobasis</b> Zeller                           |          | 3398 <i>decorosa</i> Heinrich, 1929                   | III-IV    |
| 5668.1 | <i>caulivorella</i> Neunzig, 1986                 | I-II     | <b>Dichrorampha</b> Guenée                            |           |
|        | <b>Sarasota</b> Hulst                             |          | 3414.1 <i>sapodilla</i> Heppner, 1981                 | IV-VIII   |
| 5733   | <i>plumigerella</i> Hulst, 1900                   | III-VIII | 3414.2 <i>manilkara</i> Heppner, 1981                 | VIII      |
|        | <b>Caristanius</b> Heinrich                       |          | <b>Ricula</b> Heinrich                                |           |
| 5743   | <i>minimus</i> Neunzig, 1977                      | VIIIB    | 3416 <i>maculana</i> (Fernald, 1901)                  | II-VI     |
|        | <b>Divitiaca</b> Barnes & McDunnough              |          | <b>Cydia</b> Hübner                                   |           |
| 5910   | <i>simulella</i> Barnes & McDunnough, 1913        | IV-VIII  | 3462 <i>palmetum</i> (Heinrich, 1928)                 | VI-VIII   |
| 5911   | <i>parvulella</i> Barnes & McDunnough, 1913       | IV-VIII  | <b>Ecdytolopha</b> Zeller                             |           |
|        | <b>Honora</b> Grote                               |          | 3496 <i>desotana</i> (Heinrich, 1926)                 | III-VIII  |
| 5925   | <i>dulciella</i> Hulst, 1900                      | IV       | <b>Argyrotaenia</b> Stephens                          |           |
|        | <b>Wunderia</b> Grossbeck                         |          | 3600 <i>kimballi</i> Obratzsov, 1961                  | II-VIII   |
| 5928   | <i>neaeriatella</i> Grossbeck, 1917               | IV-V     | 3606 <i>amatana</i> (Dyar, 1901)                      | II-VIII   |
|        | <b>Mescinia</b> Ragonot                           |          | <b>Sparganothis</b> Hübner                            |           |
| 5934   | <i>estrella</i> Barnes & McDunnough, 1913         | III-VIII | 3702 <i>taracana</i> Kearfott, 1907                   | I-IV      |
|        | <b>Homoeosoma</b> Curtis                          |          | <b>Platynota</b> Clemens                              |           |
| 5935.1 | <i>nanophasma</i> Neunzig, 1997                   | VIII     | 3739 <i>calidana</i> (Zeller, 1877)                   | VI-VIII   |
|        | <b>Laetilia</b> Ragonot                           |          | <b>Phalonia</b> — auct.                               |           |
| 5953.1 | <i>cinerosella</i> Neunzig, 1997                  | II-III   | 3862 <i>ziscana</i> Kearfott, 1907                    | II        |
| 5953.2 | <i>bellivorella</i> Neunzig, 1997                 | III      |   |           |
|        | <b>Ephesiodes</b> Ragonot                         |          | <b>EPIPLEMIDAE</b> (3)                                |           |
| 6004   | <i>erasus</i> Heinrich, 1956                      | II-IV    | <b>Epiplema</b> Herrich-Schäffer                      |           |
|        | <b>Caudellia</b> Dyar                             |          | 7649 <i>incolorata</i> (Guenée, 1857)                 | [Florida] |
| 6012.1 | <i>floridensis</i> Neunzig, 1990                  | IV-VIII  | <b>Philagraula</b> Hulst                              |           |
|        | <b>Ribua</b> Heinrich                             |          | 7654 <i>slossoniae</i> Hulst, 1896                    | IV-VIII   |
| 6018.1 | <i>droozi</i> Neunzig, 1990                       | II-III   | <b>Schidax</b> Hübner                                 |           |
|        | <b>Arivaca</b> Shaffer                            |          | 7656 <i>coronaria</i> Strecker, 1899                  | “Florida” |
| 6066   | <i>albicostella</i> (Grossbeck, 1917)             | IV-VI    |   |           |
|        | <b>PTEROPHORIDAE</b> (3)                          |          | <b>GEOMETRIDAE</b> (18)                               |           |
|        | <b>Stenoptilia</b> Hübner                         |          | <b>Itame</b> Hübner                                   |           |
| 6143.1 | <i>rhynchosiae</i> (Dyar, 1898)                   | III-VI   | 6318 <i>particolor</i> (Hulst, 1898)                  | IV        |
|        | <b>Adaina</b> Tutt                                |          | <b>Macaria</b> Curtis                                 |           |
| 6159   | <i>buscki</i> Barnes & Lindsey, 1921              | I-VIII   | 6337 <i>sanfordi</i> (Rindge, 1958)                   | III-IV    |
|        | <b>Leioptilus</b> Wallengren                      |          | <b>Anacamptodes</b> McDunnough                        |           |
| 6186.2 | [n. sp.]  | IV       | 6571 <i>cypressaria</i> (Grossbeck, 1917)             | II-VI     |
|        | <b>CHOREUTIDAE</b> (2)                            |          | <b>Epimecis</b> Hübner                                |           |
|        | <b>Phormoestes</b> Heppner                        |          | 6600 <i>subaustralis</i> (Hulst, 1898)                | VI        |
| 2626.1 | <i>palmettovora</i> Heppner, 1982                 | I-IV     | 6601 <i>matronaria</i> (Guenée, 1857)                 | V-VI      |
|        | <b>Hemerophila</b> Hübner                         |          | <b>Caripeta</b> Walker                                |           |
| 2655   | <i>diva</i> (Riley, 1889)                         | IV-VIII  | 6868 <i>laticornata</i> Walker, 1863                  | II-III    |
|        | <b>COSSIDAE</b> (1)                               |          | <b>Patalene</b> Herrich-Schäffer                      |           |
|        | <b>Prionoxystus</b> Grote                         |          | 6974.1 <i>hamulata</i> (Guenée, 1857)                 | IV-VI     |
| 2692   | <i>piger</i> (Grote, 1886)                        | VI       | <b>Nepheloleuca</b> Butler                            |           |
|        | <b>LIMACODIDAE</b> (2)                            |          | 6986 <i>floridata</i> (Grote, 1883)                   | IV-VI     |
|        | <b>Alarodia</b> Möschler                          |          | <b>Sericoptera</b> Herrich-Schäffer                   |           |
| 4673   | <i>slossoniae</i> (Packard, 1893)                 | III-VIII | 6994 <i>virginaria</i> (Hulst, 1886)                  | I-VIII    |
|        | <b>Monoleuca</b> Grote & Robinson                 |          | <b>Nemoria</b> Hübner                                 |           |
| 4692   | <i>angustilinea</i> Dyar, 1927                    | IV       | 7028 <i>extremaria</i> (Walker, 1861)                 | III-IV    |
|        | <b>TORTRICIDAE</b> (20)                           |          | <b>Idaea</b> Treitschke                               |           |
|        | <b>Lobesia</b> Guenée                             |          | 7101 <i>minuta</i> (Schaus, 1901)                     | VI        |
| 2729.1 | [n. sp.]  | III-VI   | 7118 <i>hilliata</i> (Hulst, 1887)                    | I-IV      |
|        |   |          | 7124 <i>retractaria</i> (Walker, 1861)                | II-IV     |
|        |   |          | <b>Cyclophora</b> Hübner                              |           |
|        |   |          | 7138 <i>benjamini</i> (Prout, 1936)                   | II-VI     |

|  |          |  |   |          |
|--|----------|--|---|----------|
| <b>Acratodes</b> Guenée                                    |          |  | <b>Didasys</b> Grote                        |          |
| 7148 <i>suavata</i> (Hulst, 1900)                          | IV-VIII  |  | 8281 <i>belae</i> Grote, 1875               | II-VII   |
| <b>Scopula</b> Schrank                                     |          |  | <b>Syntomeida</b> Harris                    |          |
| 7160 <i>timandrata</i> (Walker, 1861)                      | II-IV    |  | 8282 <i>ipomoeae</i> (Harris, 1839)         | I-VI     |
| <b>Leptostales</b> Möschler                                |          |  |   |          |
| 7176 <i>rubrotincta</i> (Hulst, 1900)                      | IV       |  | <b>NOCTUIDAE</b> (26)                       |          |
| <b>Eupithecia</b> Curtis                                   |          |  | <b>Bleptina</b> Guenée                      |          |
| 7451 <i>slossonata</i> McDunnough, 1949                    | III      |  | 8375.1 [n. sp.]                             | VIII     |
|  |          |  | 8375.2 [n. sp.]                             | V-VIII   |
| <b>HESPERIIDAE</b> (5)                                     |          |  | <b>Hypenodes</b> Doubleday                  |          |
| <b>Phocides</b> Hübner                                     |          |  | 8421.1 [n. sp.]                             | II-IV    |
| 3865a <i>pigmalion okeechokee</i> (Worthington, 1881)      | III-VIII |  | <b>Metalectra</b> Hübner                    |          |
| <b>Ephyriades</b> Hübner                                   |          |  | 8500.1 [n. sp.]                             | VI-VIII  |
| 3944a <i>brunneus floridensis</i> Bell & Comstock, 1948    | VI-VIII  |  | 8504 <i>albilinea</i> Richards, 1941        | II-IV    |
| <b>Erynnis</b> Schrank                                     |          |  | <b>Gonodonta</b> Hübner                     |          |
| 3946b <i>brizo somnus</i> (Lintner, 1881)                  | II-VIII  |  | 8541 <i>unica</i> Neumoegen, 1891           | III-VIII |
| <b>Euphyes</b> Scudder                                     |          |  | <b>Antiblemma</b> Hübner                    |          |
| 4071b <i>pilatka klotzi</i> Miller, Harvey & Miller, 1985  | VIIIB    |  | 8578 <i>filaria</i> (J. B. Smith, 1900)     | IV-VIII  |
| 4074a <i>dukesi calhouni</i> Shuey, 1996                   | I-II     |  | <b>Epidromia</b> Guenée                     |          |
|  |          |  | 8585.2 [n. sp.]                             | VI-VIII  |
| <b>PAPILIONIDAE</b> (1)                                    |          |  | <b>Kakopoda</b> J. B. Smith                 |          |
| <b>Papilio</b> Linnaeus                                    |          |  | 8669 <i>cincta</i> J. B. Smith, 1900        | IV-VIII  |
| 4171a <i>aristodemus ponceanus</i> Schaus, 1911            | VI-VIIIA |  | <b>Toxonprucha</b> Möschler                 |          |
|  |          |  | 8676.1 [n. sp.]                             | IV-VIII  |
| <b>PIERIDAE</b> (1)  |          |  | <b>Zale</b> Hübner                          |          |
| <b>Aphrissa</b> Butler                                     |          |  | 8690 <i>smithi</i> Haimbach, 1928           | VI-VIII  |
| 4233a <i>statira floridensis</i> (Neumoegen, 1891)         | IV-VIII  |  | 8718.1 [n. sp.]                             | VI-VIII  |
|  |          |  | <b>Argyrostromis</b> Hübner                 |          |
| <b>LYCAENIDAE</b> (4)                                      |          |  | 8757 <i>diffundens</i> (Walker, 1858)       | VIII     |
| <b>Eumaeus</b> Hübner                                      |          |  | <b>Proropis</b> Hampson                     |          |
| 4268a <i>atala florida</i> Röber, 1926                     | VI-VIII  |  | 9080 <i>testa</i> Barnes & McDunnough, 1913 | III-VIII |
| <b>Callophrys</b> Billberg                                 |          |  | <b>Psychomorpha</b> Harris                  |          |
| 4318a <i>gryneus sweadneri</i> (F. Chermock, 1944)         | II-III   |  | 9310 <i>euryrhoda</i> Hampson, 1910         | II-IV    |
| <b>Strymon</b> Hübner                                      |          |  | <b>Dypterygia</b> Stephens                  |          |
| 4343a <i>acis bartrami</i> (Comstock & Huntington, 1943)   | IV-VIII  |  | 9562.2 [n. sp.]                             | VI-VIII  |
| <b>Cyclargus</b> Nabokov                                   |          |  | <b>Phuphena</b> Walker                      |          |
| 4358a <i>thomasi bethunebakeri</i> (Costock & Huntington)  | VIII     |  | 9635 <i>obliqua</i> (J. B. Smith, 1900)     | III-VIII |
|  |          |  | <b>Condica</b> Walker                       |          |
| <b>NYMPHALIDAE</b> (4)                                     |          |  | 9700 <i>cervina</i> (J. B. Smith, 1900)     | I-VI     |
| <b>Dryas</b> Hübner  |          |  | <b>Trichoclea</b> Grote                     |          |
| 4416a <i>iulia largo</i> Clench, 1975                      | IV-VIII  |  | 10257 <i>florida</i> (J. B. Smith, 1900)    | III-VIII |
| <b>Anaea</b> Hübner  |          |  | <b>Leucania</b> Ochseneimer                 |          |
| 4553a <i>trogodyta floralis</i> Johnson & Comst., 1941     | II-VIII  |  | 10454.1 [n. sp.]                            | VI-VIII  |
| <b>Enodia</b> Hübner                                       |          |  | 10457 <i>infatuans</i> Franclemont, 1972    | III-VI   |
| 4568a <i>portlandia floralae</i> (Heitzman & Passos, 1974) | II-III   |  | <b>Marilopteryx</b> Franclemont             |          |
| <b>Megisto</b> Hübner                                      |          |  | 10633 <i>lutina</i> (J. B. Smith, 1902)     | VI       |
| 4578 <i>cymela viola</i> (Maynard, 1891)                   | II-III   |  | <b>Schinia</b> Hübner                       |          |
|  |          |  | 11098 <i>scissa</i> (Grote, 1876)           | I-IV     |
| <b>DREPANIDAE</b> (1)                                      |          |  | 11107 <i>fulleri</i> (McElvare, 1961)       | III-IV   |
| <b>Eudeilinia</b> Packard                                  |          |  | 11173.1 <i>carosina</i> Neumoegen, 1884     | II-VI    |
| 6254 <i>luteifera</i> Dyar, 1917                           | I-IV     |  | 11178 <i>arefacta</i> (H. Edwards, 1885)    | II-III   |
|  |          |  |   |          |
| <b>APATELODIDAE</b> (1)                                    |          |  |   |          |
| <b>Olceclostera</b> Butler                                 |          |  |   |          |
| 7666 <i>indistincta</i> (H. Edwards, 1886)                 | I-IV     |  |   |          |
|  |          |  |   |          |
| <b>NOTODONTIDAE</b> (1)                                    |          |  |   |          |
| <b>Rifargia</b> Walker                                     |          |  |   |          |
| 7965 <i>bichorda</i> (Hampson, 1901)                       | II-VIII  |  |   |          |
|  |          |  |   |          |
| <b>ARCTIIDAE</b> (6)                                       |          |  |   |          |
| <b>Composia</b> Hübner                                     |          |  |   |          |
| 8038a <i>fidelissima vagrans</i> M. Bates, 1934            | III-VIII |  |   |          |
| <b>Cisthene</b> Walker                                     |          |  |   |          |
| 8068 <i>striata</i> Ottolengui, 1898                       | II-VIII  |  |   |          |
| <b>Neoplynes</b> Hampson                                   |          |  |   |          |
| 8101 <i>eudora</i> (Dyar, 1894)                            | III-VIII |  |   |          |
| <b>Eupseudosoma</b> Grote                                  |          |  |   |          |
| 8257a <i>involutum floridum</i> Grote, 1882                | III-VIII |  |   |          |

## Lepidoptera Families with Endemic Species in Florida



Species Totals (endemic totals shown in black; families go off scale to the right to totals noted).

Florida has a relatively large number of endemic species, those known only from Florida. Figures are not available for other states and any comparisons are difficult to make. Large coastal states like California will also have a large number of endemic species, while states within larger regions or with fewer habitats, like Kansas for example, will have few endemic species. Florida, being so isolated and with a large tropical element, provides the parameters for having endemic species evolve. However, as noted earlier, once ranges for all species are more fully known, the Florida endemism percentage may be found to be less than shown herein. On the other hand, there remain undoubted numbers of microlepidoptera, particularly leafminers, whose numbers may swell the endemic percentage, once they are discovered and described. There are a few cases also where species occur only in Florida and southern Georgia, but these have not been counted as endemic for Florida. Some of the endemic taxa in Florida are only endemic as subspecies of more wide ranging species: for example the Schaus swallowtail (*Papilio*

*aristodemus ponceanus*), which is endemic to South Florida, is also found in the Bahamas as the nominate subspecies.

Among the families with endemic Florida species, the largest numbers of endemics are in Pyralidae (38 sp.), followed by Noctuidae (26 sp.), Tortricidae (20 sp.), Geometridae (18 sp.), and Gelechiidae (18 sp.). Some well known families, like Saturniidae and Sphingidae, have wide ranging species that have not evolved any Florida endemic populations. There are some Florida forms, like the South Florida reddish Io moths (*Automeris io*) that have been named but which do not represent valid subspecies; these are only regional color forms (in the case of the Io moth, the same red color form appears again in southern Mexico). Likewise, most Sphingidae range far south, even to Argentina in many cases, and do not show enough variation to name any Florida population as a subspecies. Among butterflies, there are no endemic species in Florida; all endemics listed are only represented by Florida subspecies.

## LEPIDOPTERA PESTS IN FLORIDA

Among all the Florida Lepidoptera, few are considered pest species, and many of these are only minor pests or are only occasionally found in outbreak numbers. The most recent major pest introduced into Florida is the citrus leafminer (*Phyllocnistis citrella* Stainton), family Gracillariidae, first found in Homestead in 1993. Species noted with an asterisk (\*) have new common names. The presumed origin of each species is noted after the common name (most species from the Caribbean may also be native to the Florida Keys). The present listing includes all species considered to have some pest status in Florida. Common names are listed alphabetically in a separate index after the list. Species names are listed alphabetically by scientific name under each family (MONA catalog numbers are to the right under each family). Common names can be located in the common name index that follows. Families are listed by catalog number (species then alphabetically).

### NEPTICULIDAE

|                            |        |  |     |
|----------------------------|--------|--|-----|
| *Seagrape leafminer        | native | <i>Enteucha gilvafasscia</i> (Davis)         | 118 |
| Cotton leafminer           | native | <i>Stigmella gossypii</i> (Forbes & Leonard) | 76  |
| Pecan serpentine leafminer | native | <i>Stigmella juglandifoliella</i> (Clemens)  | 95  |

### TISCHERIIDAE

|                       |        |                                    |     |
|-----------------------|--------|------------------------------------|-----|
| *Blackberry leafminer | native | <i>Tischeria aenea</i> Frey & Boll | 149 |
|-----------------------|--------|------------------------------------|-----|

### HELIOZELIDAE

|                  |        |  |     |
|------------------|--------|--|-----|
| Tupelo leafminer | native | <i>Antispila nysaefoliella</i> Clemens | 234 |
|------------------|--------|--|-----|

### ACROLOPHIDAE

|                              |        |  |     |
|------------------------------|--------|--|-----|
| *Grass tubeworm              | native | <i>Acrolophus arcanella</i> (Clemens)      | 340 |
| *Eastern grass tubeworm      | native | <i>Acrolophus plumifrontella</i> (Clemens) | 372 |
| *Clemens' grass tubeworm     | native | <i>Acrolophus popeanella</i> (Clemens)     | 373 |
| *Walsingham's grass tubeworm | native | <i>Acrolophus propinquus</i> (Walsingham)  | 374 |
| *Texas grass tubeworm        | native | <i>Acrolophus texanella</i> (Chambers)     | 383 |

### TINEIDAE

|                           |           |  |       |
|---------------------------|-----------|--|-------|
| *Fungus grain moth        | Europe    | <i>Episcardia insectella</i> (Fabricius) | 325   |
| *Caribbean scavenger moth | Caribbean | <i>Erechthias minuscula</i> (Walsingham) | 304   |
| *Bird nest moth           | native    | <i>Monopis crocicapitella</i> (Clemens)  | 415   |
| European grain moth       | Europe    | <i>Nemapogon granella</i> (Linnaeus)     | 266   |
| *European house moth      | Europe    | <i>Niditinea fuscella</i> (Linnaeus)     | 411   |
| Banana moth               | Africa    | <i>Opogona sacchari</i> (Bojer)          | 432.1 |
| Plaster bagworm           | native    | <i>Phereoeca uterella</i> (Walsingham)   | 390   |
| *African scavenger moth   | Africa    | <i>Praecedes atomosella</i> (Walker)     | 423   |
| Tropical tobacco moth     | Africa    | <i>Setomorpha rutella</i> Zeller         | 428   |
| Casemaking clothes moth   | Europe    | <i>Tinea pellionella</i> Linnaeus        | 405   |
| Webbing clothes moth      | Europe    | <i>Tineola bisselliella</i> (Hummel)     | 426   |
| *Clemens' bark moth       | native    | <i>Xylesthia pruniramiella</i> Clemens   | 317   |

### PSYCHIDAE

|                  |        |  |     |
|------------------|--------|--|-----|
| *Abbot's bagworm | native | <i>Oiketicus abbotii</i> Grote                 | 454 |
| Bagworm          | native | <i>Thyridopteryx ephemeraeformis</i> (Haworth) | 457 |

### LYONETIIDAE

|                                  |        |  |     |
|----------------------------------|--------|--|-----|
| *Florida morning glory leafminer | native | <i>Bedellia minor</i> Busck            | 465 |
| Morning glory leafminer          | Europe | <i>Bedellia somnulentella</i> (Zeller) | 466 |
| *Erythrina leafminer             | native | <i>Leucoptera erythrinella</i> Busck   | 477 |

### GRACILLARIIDAE

|                    |         |   |     |
|--------------------|---------|---|-----|
| Azalea leafminer   | native  | <i>Caloptilia azaleella</i> (Brants)      | 592 |
| *Avocado leafminer | Mexico? | <i>Caloptilia perseae</i> (Busck)         | 623 |
| Pecan leafminer    | native  | <i>Cameraria caryaefoliella</i> (Clemens) | 811 |

|                                |           |  |       |
|--------------------------------|-----------|--|-------|
| Gregarious oak leafminer       | native    | <i>Cameraria cincinnatiella</i> (Chambers)     | 815   |
| Solitary oak leafminer         | native    | <i>Cameraria hamadryadella</i> (Clemens)       | 823   |
| *Florida citrus peel miner     | native?   | <i>Marmara</i> n. sp.                          | 716.1 |
| *Jatropha leafminer            | Cuba      | <i>Neurobathra curcassi</i> Busck              | 663.1 |
| Citrus leafminer               | SE. Asia  | <i>Phyllocnistis citrella</i> Stainton         | 854.1 |
| *Magnolia serpentine leafminer | native    | <i>Phyllocnistis magnoliella</i> Forbes        | 851   |
| *Mahogany leafminer            | Caribbean | <i>Phyllocnistis meliacella</i> Becker         | 851.1 |
| *Avocado serpentine leafminer  | Mexico?   | <i>Phyllocnistis</i> n. sp.                    | 851.2 |
| Pecan blotch miner             | native    | <i>Phyllonorycter caryaealbella</i> (Chambers) | 741   |

**OECOPHORIDAE**

|                       |           |                                     |      |
|-----------------------|-----------|-------------------------------------|------|
| *Himalayan grain moth | Himalayas | <i>Martyringa xeraula</i> (Meyrick) | 1066 |
|-----------------------|-----------|-------------------------------------|------|

**ELACHISTIDAE**

|                      |       |  |        |
|----------------------|-------|--|--------|
| *Sugarcane leafminer | Cuba? | <i>Dicranoctetes saccharella</i> (Busck) | 1132.1 |
|----------------------|-------|--|--------|

**BLASTOBASIDAE**

|                            |        |   |        |
|----------------------------|--------|---|--------|
| Acorn moth                 | native | <i>Blastobasis glandulella</i> (Riley)  | 1162   |
| *Eastern pine catkin borer | native | <i>Calosima dianella</i> Dietz          | 1169   |
| *Juniper tip worm          | native | <i>Glyphidocera juniperella</i> Adamski | 1136.1 |

**COLEOPHORIDAE**

|                                  |           |  |        |
|----------------------------------|-----------|--|--------|
| Pecan cigar casebearer           | native    | <i>Coleophora laticornella</i> Clemens | 1291   |
| *Palm leaf housemaker            | native    | <i>Homaledra heptathalama</i> Busck    | 1421   |
| Palm leaf skeletonizer           | native    | <i>Homaledra sabalella</i> (Chambers)  | 1422   |
| Caribbean palm leaf skeletonizer | Caribbean | <i>Homaledra</i> n. sp.                | 1422.1 |

**COSMOPTERIGIDAE**

|                                    |        |  |      |
|------------------------------------|--------|--|------|
| Kiawe flower moth                  | native | <i>Ithome concolorella</i> (Chambers)    | 1638 |
| Florida pink scavenger caterpillar | native | <i>Pyroderces badia</i> (Hodges)         | 1513 |
| Pink scavenger caterpillar         | native | <i>Pyroderces rileyi</i> (Walsingham)    | 1512 |
| Sweetclover root borer             | native | <i>Walshia miscecolorella</i> (Chambers) | 1615 |

**GELECHIIDAE**

|                        |           |  |        |
|------------------------|-----------|--|--------|
| Peach twig borer       | Europe    | <i>Anarsia lineatella</i> Zeller                   | 2257   |
| Soybean webworm        | Africa?   | <i>Brachyacma palpigera</i> (Walsingham)           | 2272   |
| Orange webworm         | native    | <i>Dichomeris citrifoliella</i> (Chambers)         | 2292   |
| Palmerworm             | native    | <i>Dichomeris ligulella</i> Hübner                 | 2281   |
| Juniper webworm        | Europe    | <i>Dichomeris marginella</i> (Fabricius)           | 2282   |
| Pine needleminer       | native    | <i>Exoteleia pinifoliella</i> (Chambers)           | 1840   |
| Redbud leaf-folder     | native    | <i>Fascista cercerisella</i> (Chambers)            | 2204   |
| Goldenrod gallmaker    | native    | <i>Gnorimoschema gallaesolidaginis</i> (Riley)     | 1986   |
| *Sweetpotato webworm   | Caribbean | <i>Helcystogramma convolvuli</i> (Walsingham)      | 2265.1 |
| Tomato pinworm         | native    | <i>Keiferia lycopersicella</i> (Walsingham)        | 2047   |
| Burdock seed moth      | Europe    | <i>Metzneria lappella</i> (Linnaeus)               | 1685   |
| Pink bollworm          | native    | <i>Pectinophora gossypiella</i> (Saunders)         | 2261   |
| Potato tuberworm       | Peru?     | <i>Phthorimaea operculella</i> (Zeller)            | 2011   |
| *Guava caterpillar     | Caribbean | <i>Prostomeus brunneus</i> Busck                   | 2256   |
| Angoumois grain moth   | Europe    | <i>Sitotroga cerealella</i> (Olivier)              | 2260   |
| Red-necked peanutworm  | native    | <i>Stegasta bosqueella</i> (Chambers)              | 2209   |
| Pepper flower-bud moth | Caribbean | <i>Symmetrischema capsicum</i> (Bradley & Povolný) | 2032   |
| Eggplant leafminer     | native    | <i>Tildenia glochinella</i> (Zeller)               | 2049   |

**PLUTELLIDAE**

|                  |        |                                       |      |
|------------------|--------|---------------------------------------|------|
| Diamondback moth | Europe | <i>Plutella xylostella</i> (Linnaeus) | 2366 |
|------------------|--------|---------------------------------------|------|

**ATTEVIDAE**

|                   |        |                                      |      |
|-------------------|--------|--------------------------------------|------|
| Ailanthus webworm | native | <i>Atteva pustulella</i> (Fabricius) | 2401 |
|-------------------|--------|--------------------------------------|------|

**URODIDAE**

|                  |        |                                      |        |
|------------------|--------|--------------------------------------|--------|
| Mimosa webworm   | Japan? | <i>Homadaula anisocentra</i> Meyrick | 2400.1 |
| *Bumelia webworm | native | <i>Urodus parvula</i> (H. Edwards)   | 2415   |

**ARGYRESTHIIDAE**

|                   |        |                                      |      |
|-------------------|--------|--------------------------------------|------|
| Apple fruit moth  | Europe | <i>Argyresthia conjugella</i> Zeller | 2449 |
| *Guava fruit moth | native | <i>Argyresthia eugeniella</i> Busck  | 2452 |

**ACROLEPIIDAE**

|                 |        |  |      |
|-----------------|--------|--|------|
| *Lily bulb moth | native | <i>Acrolepiopsis incertella</i> (Chambers) | 2490 |
|-----------------|--------|--|------|

**SESIIDAE**

|                                 |        |   |      |
|---------------------------------|--------|---|------|
| Clematis clearwing              | native | <i>Alcathoe caudata</i> (Harris)                  | 2623 |
| Ironweed clearwing              | native | <i>Carmenta bassiformis</i> (Walker)              | 2596 |
| Squash vine borer               | native | <i>Melittia cucurbitae</i> (Harris)               | 2536 |
| Oak clearwing borer             | native | <i>Paranthrene asilipennis</i> (Guérin-Ménéville) | 2522 |
| Poplar clearwing borer          | native | <i>Paranthrene dollii</i> Neumoegen               | 2523 |
| Golden oak borer                | native | <i>Paranthrene simulans</i> (Grote)               | 2527 |
| European poplar clearwing borer | Europe | <i>Paranthrene tabaniformis</i> (Rottemberg)      | 2524 |
| Raspberry crown borer           | native | <i>Pennisetia marginata</i> (Harris)              | 2513 |
| Banded ash clearwing            | native | <i>Podosesia aureocincta</i> Purrington & Nielsen | 2588 |
| Lilac borer                     | native | <i>Podosesia syringae</i> (Harris)                | 2589 |
| Persimmon borer                 | native | <i>Sannina uroceriformis</i> Walker               | 2590 |
| Maple callus borer              | native | <i>Synanthedon acerni</i> (Clemens)               | 2554 |
| Chestnut clearwing borer        | native | <i>Synanthedon castaneae</i> (Busck)              | 2577 |
| Peachtree borer                 | native | <i>Synanthedon exitiosa</i> (Say)                 | 2583 |
| Arrowwood clearwing borer       | native | <i>Synanthedon fatifera</i> Hodges                | 2555 |
| *Pecan bark borer               | native | <i>Synanthedon geliformis</i> (Walker)            | 2547 |
| Lesser peachtree borer          | native | <i>Synanthedon pictipes</i> (Grote & Robinson)    | 2550 |
| Willow clearwing borer          | native | <i>Synanthedon proxima</i> (H. Edwards)           | 2572 |
| Black gum clearwing             | native | <i>Synanthedon rubrofascia</i> (H. Edwards)       | 2567 |
| Dogwood borer                   | native | <i>Synanthedon scitula</i> (Harris)               | 2549 |
| Grape root borer                | native | <i>Vitacea polistiformis</i> (Harris)             | 2530 |
| Lesser grape root borer         | native | <i>Vitacea scepisiformis</i> (H. Edwards)         | 2531 |

**CHOREUTIDAE**

|                |        |                                    |      |
|----------------|--------|------------------------------------|------|
| *Ficus budworm | native | <i>Tortyra slossonia</i> (Fernald) | 2653 |
|----------------|--------|------------------------------------|------|

**COSSIDAE**

|                      |        |   |      |
|----------------------|--------|---|------|
| Pecan carpenterworm  | native | <i>Cossula magnifica</i> (Strecker)               | 2674 |
| Little carpenterworm | native | <i>Prionoxystus macmurtrei</i> (Guérin-Ménéville) | 2694 |
| Carpenterworm        | native | <i>Prionoxystus robiniae</i> (Peck)               | 2693 |

**TORTRICIDAE**

|                               |        |   |      |
|-------------------------------|--------|---|------|
| Strawberry leafroller         | Europe | <i>Ancylis comptana</i> (Frölich)         | 3374 |
| Fruit-tree leafroller         | native | <i>Archips argyrospila</i> (Walker)       | 3648 |
| Southern uglynest caterpillar | native | <i>Archips rileyana</i> (Grote)           | 3662 |
| Oak leafroller                | native | <i>Archips semiferana</i> (Walker)        | 3653 |
| *Pond apple leafroller        | native | <i>Argyrotaenia amatana</i> (Dyar)        | 3606 |
| *Ivana leafroller             | native | <i>Argyrotaenia ivana</i> (Fernald)       | 3627 |
| Hickory leafroller            | native | <i>Argyrotaenia juglandana</i> (Fernald)  | 3622 |
| Gray-banded leafroller        | native | <i>Argyrotaenia mariana</i> (Fernald)     | 3625 |
| Pine tube moth                | native | <i>Argyrotaenia pinatubana</i> (Kearfott) | 3602 |
| *Yellow-winged oak leafroller | native | <i>Argyrotaenia quercifoliana</i> (Fitch) | 3623 |
| Red-banded leafroller         | native | <i>Argyrotaenia velutinana</i> (Walker)   | 3597 |



|                              |           |  |        |
|------------------------------|-----------|--|--------|
| Large aspen tortrix          | native    | <i>Choristoneura conflictana</i> (Walker)          | 3637   |
| Spruce budworm               | native    | <i>Choristoneura fumiferana</i> (Clemens)          | 3638   |
| *Parallel-banded leafroller  | native    | <i>Choristoneura parallela</i> (Robinson)          | 3633   |
| Jack pine budworm            | native    | <i>Choristoneura pinus maritima</i> T. N. Freeman  | 3643   |
| Oblique-banded leafroller    | native    | <i>Choristoneura rosaceana</i> (Harris)            | 3635   |
| *Litchi bud moth             | Caribbean | <i>Crociosema litchivora</i> Baixeras              | 3274.2 |
| Blueberry leaftier           | native    | <i>Croesia curvalana</i> (Kearfott)                | 3504   |
| Oak leaf shredder            | native    | <i>Croesia semipurpurana</i> (Kearfott)            | 3503   |
| Slash pine seedworm          | native    | <i>Cydia anaranjada</i> (W. E. Miller)             | 3488   |
| Hickory shuckworm            | native    | <i>Cydia caryana</i> (Fitch)                       | 3471   |
| Longleaf pine seedworm       | native    | <i>Cydia ingens</i> (Heinrich)                     | 3487   |
| Filbertworm                  | native    | <i>Cydia latiferreana</i> (Walsingham)             | 3494   |
| Codling moth                 | Europe    | <i>Cydia pomonella</i> (Linnaeus)                  | 3492   |
| Eastern pine seedworm        | native    | <i>Cydia toreuta</i> (Grote)                       | 3486   |
| *Sapodilla pod borer         | native    | <i>Dichrorampha sapodilla</i> Heppner              | 3414.1 |
| Locust twig borer            | native    | <i>Ecdytolopha insiticiaria</i> Zeller             | 3497   |
| Grape berry moth             | native    | <i>Endopiza viteana</i> Clemens                    | 2712   |
| Verbena bud moth             | native    | <i>Endothenia hebesana</i> (Walker)                | 2738   |
| Bidens borer                 | native    | <i>Epiblema otiosana</i> (Clemens)                 | 3202   |
| Ragweed borer                | native    | <i>Epiblema strenuana</i> (Walker)                 | 3172   |
| Maple leaftier               | native    | <i>Episimus tyrius</i> Heinrich                    | 2703   |
| Shortleaf pine cone borer    | native    | <i>Eucosma cocana</i> Kearfott                     | 3072   |
| Oriental fruit moth          | Asia      | <i>Grapholita molesta</i> (Busck)                  | 3426   |
| Cherry fruitworm             | native    | <i>Grapholita packardi</i> Zeller                  | 3428   |
| Pecan bud moth               | native    | <i>Gretchena bolliana</i> (Slingerland)            | 3263   |
| Cottonwood twig borer        | native    | <i>Gypsonoma haimbachiana</i> (Kearfott)           | 3226   |
| Chrysanthemum flower borer   | native    | <i>Lorita sacrificata</i> (Meyrick)                | 3781   |
| Raspberry leafroller         | native    | <i>Olethreutes permundana</i> (Clemens)            | 2817   |
| Three-lined leafroller       | native    | <i>Pandemis limitata</i> (Robinson)                | 3594   |
| Tufted apple budmoth         | native    | <i>Platynota idaeusalis</i> (Walker)               | 3740   |
| *Omnivorous platy            | native    | <i>Platynota rostrana</i> (Walker)                 | 3745   |
| *Gray platy                  | native    | <i>Platynota stultana</i> (Walsingham)             | 3736   |
| Garden tortrix               | native    | <i>Ptycholoma peritana</i> (Clemens)               | 3688   |
| *Minute pitch-blister moth   | native    | <i>Retinia houseri</i> (W. E. Miller)              | 2902   |
| *Southern pitch-blister moth | native    | <i>Retinia taedana</i> (W. E. Miller)              | 2890   |
| Nantucket pine tip moth      | native    | <i>Rhyacionia frustrana</i> (Comstock)             | 2882   |
| *Grant's pine tip moth       | native    | <i>Rhyacionia granti</i> W. E. Miller              | 2879.1 |
| Pitch pine tip moth          | native    | <i>Rhyacionia rigidana</i> (Fernald)               | 2868   |
| Subtropical pine tip moth    | native    | <i>Rhyacionia subtropica</i> W. E. Miller          | 2869   |
| Southern pine catkinworm     | native    | <i>Satronia tantilla</i> Heinrich                  | 3415   |
| Eyespotted bud moth          | Europe    | <i>Spilonota ocellana</i> (Denis & Schiffermüller) | 2906   |
| *Bayberry leaftier           | native    | <i>Strepsicrates smithiana</i> (Walsingham)        | 2907   |
| Sunflower bud moth           | native    | <i>Suleima helianthana</i> (Riley)                 | 3212   |

**HESPERIIDAE**

|                        |        |                                    |      |
|------------------------|--------|------------------------------------|------|
| *Palm leafroller       | native | <i>Asbolis capucinus</i> (Lucas)   | 4079 |
| Canna leafroller       | native | <i>Calpodes ethlius</i> (Stoll)    | 4115 |
| Silver-spotted skipper | native | <i>Epargyreus clarus</i> (Cramer)  | 3870 |
| Rice leafroller        | native | <i>Lerodea eufala</i> (H. Edwards) | 4111 |
| Bean leafroller        | native | <i>Urbanus proteus</i> (Linnaeus)  | 3886 |

**PAPILIONIDAE**

|                                  |        |   |      |
|----------------------------------|--------|---|------|
| Orange dog (giant swallowtail)   | native | <i>Papilio cressphontes</i> Cramer      | 4170 |
| Parsley worm (black swallowtail) | native | <i>Papilio polyxenes asterius</i> Stoll | 4159 |

**PIERIDAE**

|                      |        |   |      |
|----------------------|--------|---|------|
| Mustard white        | native | <i>Ascia monuste phileta</i> (Fabricius)      | 4198 |
| Alfalfa caterpillar  | native | <i>Colias eurytheme</i> Boisduval             | 4210 |
| Clouded sulphur      | native | <i>Colias philodice</i> Godart                | 4209 |
| Southern cabbageworm | native | <i>Pontia protodice</i> (Boisduval & Leconte) | 4193 |
| Imported cabbageworm | Europe | <i>Pieris rapae</i> (Linnaeus)                | 4197 |

**LYCAENIDAE**

|                     |        |                                    |      |
|---------------------|--------|------------------------------------|------|
| Coontie hairstreak  | native | <i>Eumaeus atala florida</i> Röber | 4268 |
| Cotton square borer | native | <i>Strymon melinus</i> Hübner      | 4336 |

**ZYGAENIDAE**

|                         |        |   |      |
|-------------------------|--------|---|------|
| Grape leaf skeletonizer | native | <i>Harrisina americana</i> (Guérin-Méneville) | 4624 |
|-------------------------|--------|---|------|

**MEGALOPYGIDAE**

|                          |        |   |      |
|--------------------------|--------|---|------|
| Black-waved flannel moth | native | <i>Lagoa crispata</i> (Packard)             | 4644 |
| Puss caterpillar         | native | <i>Megalopyge opercularis</i> (J. E. Smith) | 4647 |
| White flannel moth       | native | <i>Norape ovina</i> (Sepp)                  | 4650 |

**LIMACODIDAE**

|                            |        |  |      |
|----------------------------|--------|--|------|
| Saddleback caterpillar     | native | <i>Achardia stimulea</i> (Clemens)       | 4700 |
| Spiny oak-slug caterpillar | native | <i>Euclea delphinii</i> (Boisduval)      | 4697 |
| Nason's slug caterpillar   | native | <i>Natada nasoni</i> (Grote)             | 4679 |
| Stinging rose caterpillar  | native | <i>Parasa indetermina</i> (Boisduval)    | 4699 |
| Hag moth                   | native | <i>Phobetron pithecium</i> (J. E. Smith) | 4677 |
| Skiff moth                 | native | <i>Prolimacodes badius</i> (Hübner)      | 4671 |

**PYRALIDAE**

|                            |           |   |        |
|----------------------------|-----------|---|--------|
| Lesser wax moth            | Europe    | <i>Achroia grisella</i> (Fabricius)     | 5623   |
| Garden webworm             | native    | <i>Achyra rantalis</i> (Guenée)         | 4975   |
| Pecan nursery casemaker    | native    | <i>Acrobasis caryvorella</i> Ragonot    | 5686   |
| Walnut shoot moth          | native    | <i>Acrobasis demotella</i> Grote        | 5674   |
| Leaf crumpler              | native    | <i>Acrobasis indigenella</i> (Zeller)   | 5651   |
| Pecan leaf casebearer      | native    | <i>Acrobasis juglandis</i> (LeBaron)    | 5661   |
| Pecan nut casebearer       | native    | <i>Acrobasis nuxvorella</i> Neunzig     | 5667   |
| Cranberry fruitworm        | native    | <i>Acrobasis vaccinii</i> Riley         | 5653   |
| *Erythrina leafroller      | Caribbean | <i>Agathodes designalis</i> Guenée      | 5240   |
| *Stored grain moth         | Europe    | <i>Aglossa caprealis</i> (Hübner)       | 5517   |
| Vagabond crambus           | native    | <i>Agriphila vulgivagella</i> (Clemens) | 5403   |
| Navel orangeworm           | Caribbean | <i>Amyelois transitella</i> (Walker)    | 5724   |
| *Cassia webworm            | native    | <i>Anabasis ochrodesma</i> (Zeller)     | 5704   |
| *Bougainvillea caterpillar | native    | <i>Asciodes gordialis</i> Guenée        | 5267   |
| Clidemia leafroller        | native    | <i>Ategumia ebulealis</i> (Guenée)      | 5158   |
| *Palm bud moth             | native    | <i>Atheloca subrufella</i> (Hulst)      | 5734   |
| Cactus moth                | Argentina | <i>Cactoblastis cactorum</i> (Berg)     | 5976.1 |
| Almond moth                | Sri Lanka | <i>Cadra cautella</i> (Walker)          | 6022   |
| Raisin moth                | Europe    | <i>Cadra figulilella</i> (Gregson)      | 6023   |
| Rice stalk borer           | native    | <i>Chilo plejadellus</i> Zincken        | 5470   |
| Rice moth                  | Asia      | <i>Corcyra cephalonica</i> (Stainton)   | 5634   |
| Corn root webworm          | native    | <i>Crambus caliginosellus</i> Clemens   | 5381   |
| *Papaya webworm            | Caribbean | <i>Davara caricae</i> (Dyar)            | 5732   |
| Grape leaf folder          | native    | <i>Desmia funeralis</i> (Hübner)        | 5159   |
| Melonworm                  | native    | <i>Diaphania hyalinata</i> (Linnaeus)   | 5204   |
| Exotic pumpkin caterpillar | Asia      | <i>Diaphania indica</i> (Saunders)      | 5207   |
| Pickleworm                 | native    | <i>Diaphania nitidalis</i> (Stoll)      | 5202   |
| Southern cornstalk borer   | native    | <i>Diatraea crambidoides</i> (Grote)    | 5476   |
| Sugarcane borer            | Cuba?     | <i>Diatraea saccharalis</i> (Fabricius) | 5475   |
| Caper leaf webber          | Caribbean | <i>Dichogama redtenbacheri</i> Lederer  | 4790   |
| Southern pine coneworm     | native    | <i>Dioryctria amatella</i> (Hulst)      | 5853   |

|                                     |           |  |        |
|-------------------------------------|-----------|--|--------|
| Blister coneworm                    | native    | <i>Dioryctria clarioralis</i> (Walker)         | 5863.1 |
| Webbing coneworm                    | native    | <i>Dioryctria disclusa</i> Heinrich            | 5847   |
| South coastal coneworm              | native    | <i>Dioryctria ebeli</i> Mutuura & Munroe       | 5841.1 |
| Loblolly pine coneworm              | native    | <i>Dioryctria merkei</i> Mutuura & Munroe      | 5852.1 |
| Bald cypress coneworm               | native    | <i>Dioryctria pygmaeella</i> Ragonot           | 5849   |
| *Lesser loblolly pine coneworm      | native    | <i>Dioryctria taedivorella</i> Neunzig & Leidy | 5852.2 |
| Carob moth                          | Caribbean | <i>Ectomyelois ceratoniae</i> (Zeller)         | 5723   |
| *Caribbean dried fruit moth         | Caribbean | <i>Ectomyelois decolor</i> (Zeller)            | 5722   |
| Lesser cornstalk borer              | native    | <i>Elasmopalpus lignosellus</i> (Zeller)       | 5896   |
| Tobacco moth                        | Africa    | <i>Ephestia elutella</i> (Hübner)              | 6021   |
| Mediterranean flour moth            | Europe    | <i>Ephestia kuehniella</i> Zeller              | 6020   |
| *Bromeliad pod borer                | Caribbean | <i>Epimorius testaceellus</i> Ragonot          | 5634.1 |
| Lima-bean pod borer                 | Africa    | <i>Etiella zinckenella</i> (Treitschke)        | 5744   |
| Magnolia borer                      | native    | <i>Euzophera magnolialis</i> Capps             | 5996   |
| Tuliptree borer                     | native    | <i>Euzophera ostricolorella</i> Hulst          | 5997   |
| American plum borer                 | native    | <i>Euzophera semifuneralis</i> (Walker)        | 5995   |
| Cross-striped cabbage worm          | native    | <i>Evergestis rimosalis</i> (Guenée)           | 4898   |
| *Carpet grass webworm               | native    | <i>Fissicrambus haytiellus</i> (Zincken)       | 5433   |
| Caribbean pod borer                 | Caribbean | <i>Fundella pellucens</i> Zeller               | 5725   |
| Greater wax moth                    | Europe    | <i>Galleria mellonella</i> (Linnaeus)          | 5622   |
| Lesser canna leafroller             | native    | <i>Geshna cannalis</i> (Quaintance)            | 5126   |
| Mulberry moth                       | Asia      | <i>Glyphodes pyloalis</i> Walker               | 5197   |
| *American mulberry leaftier         | native    | <i>Glyphodes sibillalis</i> Walker             | 5198   |
| Cabbage webworm                     | native    | <i>Hellula rogatalis</i> (Hulst)               | 4846   |
| Southern beet webworm               | native    | <i>Herpetogramma bipunctalis</i> (Fabricius)   | 5272   |
| *Greater sweetpotato webworm        | native    | <i>Herpetogramma fluctuosalis</i> (Lederer)    | 5273   |
| Tropical sod webworm                | native    | <i>Herpetogramma phaeopteralis</i> (Guenée)    | 5274   |
| Sunflower moth                      | native    | <i>Homoeosoma electellum</i> (Hulst)           | 5935   |
| Sugarbeet crown borer               | native    | <i>Hulstia undulatella</i> (Clemens)           | 5918   |
| Spotted beet webworm                | native    | <i>Hymenia perspectalis</i> (Hübner)           | 5169   |
| Mahogany shootborer                 | Caribbean | <i>Hypsipyla grandella</i> (Zeller)            | 5705   |
| *Eggplant leafroller                | native    | <i>Lineodes integra</i> (Zeller)               | 5107   |
| Sweetpotato leafroller              | native    | <i>Lygropia tripunctata</i> (Fabricius)        | 5248   |
| Mahogany webworm                    | Caribbean | <i>Macalla thyrssalis</i> Walker               | 5575   |
| Bean pod borer                      | Asia      | <i>Maruca vitrata</i> (Fabricius)              | 5157.1 |
| *Eastern blue cactus borer          | native    | <i>Melitara prodenialis</i> Walker             | 5970   |
| Lima-bean vine borer                | Caribbean | <i>Monoptilota pergratialis</i> (Hulst)        | 5736   |
| *Sumac webworm                      | native    | <i>Nephoterix subfuscella</i> (Ragonot)        | 5789   |
| American celery webworm             | native    | <i>Nomophila nearctica</i> Munroe              | 5156   |
| Southern hayworm                    | Europe    | <i>Ocrasa nostralis</i> (Guenée)               | 5531   |
| *Bean leaf webber                   | Caribbean | <i>Omiodes indicata</i> (Fabricius)            | 5212   |
| European corn borer                 | Europe    | <i>Ostrinia nubilalis</i> (Hübner)             | 4949   |
| Smartweed borer                     | native    | <i>Ostrinia obumbratalis</i> (Lederer)         | 4947   |
| Basswood leafroller                 | native    | <i>Pantographa limata</i> (Grote & Robinson)   | 5241   |
| Bluegrass webworm                   | native    | <i>Parapediasia teterrella</i> (Zincken)       | 5451   |
| Watermilfoil leafcutter             | native    | <i>Parapoinx allionealis</i> Walker            | 4764   |
| White waterlily leafcutter          | native    | <i>Parapoinx maculalis</i> (Clemens)           | 4759   |
| Vallisneria leafcutter              | native    | <i>Parapoinx obscuralis</i> (Grote)            | 4760   |
| Floating-heart waterlily leafcutter | native    | <i>Parapoinx seminealis</i> (Walker)           | 4763   |
| Sod webworm                         | native    | <i>Pediasia trisecta</i> (Walker)              | 5413   |
| *Eggplant webworm                   | native    | <i>Rhectocraspeda periusalis</i> (Walker)      | 5157   |
| Indian meal moth                    | India     | <i>Plodia interpunctella</i> (Hübner)          | 6019   |
| Meal moth                           | Europe    | <i>Pyralis farinalis</i> Linnaeus              | 5510   |
| Tropical meal moth                  | Caribbean | <i>Pyralis manihotalis</i> Guenée              | 5515   |
| Lantana leaf-tier                   | native    | <i>Salbia haemorrhoidalis</i> Guenée           | 5287   |
| Hawaiian beet webworm               | native    | <i>Spoladea recurvalis</i> (Fabricius)         | 5170   |
| Waterlily leafcutter                | native    | <i>Synclita oblitalis</i> (Walker)             | 4755   |
| *Erythrina borer                    | Caribbean | <i>Terastia meticulosalis</i> Guenée           | 5239   |

|                         |        |   |      |
|-------------------------|--------|---|------|
| Pine webworm            | native | <i>Tetralopha robustella</i> Zeller     | 5595 |
| Lespedeza webworm       | native | <i>Tetralopha scortealis</i> (Lederer)  | 5596 |
| Celery leaf-tier        | native | <i>Udea rubigalis</i> (Guenée)          | 5079 |
| *Leatherleaf fern borer | native | <i>Undulambia polystichalis</i> Capps   | 4741 |
| Genista caterpillar     | native | <i>Uresiphita reversalis</i> (Guenée)   | 4992 |
| Dried fruit moth        | native | <i>Vitula edmandsii</i> (Packard)       | 6007 |
| Gooseberry fruitworm    | Europe | <i>Zophodia grossulariella</i> (Hübner) | 5968 |

**THYRIDIDAE**

|                  |           |                                    |      |
|------------------|-----------|------------------------------------|------|
| *Sapodilla borer | Caribbean | <i>Banisia myrsusalis</i> (Walker) | 6086 |
| *Seagrape borer  | Caribbean | <i>Hexeris enhydris</i> Grote      | 6082 |

**HYBLAEIDAE**

|           |       |                               |      |
|-----------|-------|-------------------------------|------|
| Teak moth | India | <i>Hyblaea puera</i> (Cramer) | 6088 |
|-----------|-------|-------------------------------|------|

**PTEROPHORIDAE**

|                      |           |   |      |
|----------------------|-----------|---|------|
| Lantana plume moth   | Caribbean | <i>Lantanophaga pusillidactyla</i> (Walker) | 6119 |
| Artichoke plume moth | native    | <i>Platyptilia carduidactyla</i> (Riley)    | 6109 |

**DREPANIDAE**

|              |        |                             |      |
|--------------|--------|-----------------------------|------|
| Rose hooktip | native | <i>Oreta rosea</i> (Walker) | 6255 |
|--------------|--------|-----------------------------|------|

**GEOMETRIDAE**

|                          |        |  |      |
|--------------------------|--------|--|------|
| Fall cankerworm          | native | <i>Alsophila pometaria</i> (Harris)                | 6258 |
| *Willow looper           | native | <i>Anacamptodes defectaria</i> (Guenée)            | 6586 |
| *Cypress looper          | native | <i>Anacamptodes pergracilis</i> (Hulst)            | 6580 |
| Common gray              | native | <i>Anavitrinella pampinaria</i> (Guenée)           | 6590 |
| Southern pine looper     | native | <i>Caripeta aretaria</i> (Walker)                  | 6869 |
| Blackberry looper        | native | <i>Chlorochlamys chloroleucaria</i> (Guenée)       | 7071 |
| Barberry geometer        | native | <i>Coryphista meadii</i> (Packard)                 | 7290 |
| Maple spanworm           | native | <i>Ennomos magnaria</i> Guenée                     | 6797 |
| Elm spanworm             | native | <i>Ennomos subsignaria</i> (Hübner)                | 6798 |
| *Avocado spanworm        | native | <i>Epimecis detexta</i> (Walker)                   | 6604 |
| Lesser grapevine looper  | native | <i>Eulithis diversilineata</i> (Hübner)            | 7196 |
| Greater grapevine looper | native | <i>Eulithis gracilineata</i> (Guenée)              | 7197 |
| Blueberry gray           | native | <i>Glena cognataria</i> (Hübner)                   | 6450 |
| Dotted gray              | native | <i>Glena cribrataria</i> (Guenée)                  | 6449 |
| Chickweed geometer       | native | <i>Haematopsis grataria</i> (Fabricius)            | 7146 |
| Umber moth               | native | <i>Hypomecis umbrosaria</i> (Hübner)               | 6439 |
| Lesser maple spanworm    | native | <i>Itame pustularia</i> (Guenée)                   | 6273 |
| *Southern oak looper     | native | <i>Lambdina pultaria</i> (Guenée)                  | 6889 |
| Gray spring moth         | native | <i>Lomographa glomeraria</i> (Grote)               | 6668 |
| White spring moth        | native | <i>Lomographa vestaliata</i> (Guenée)              | 6667 |
| Granite moth             | native | <i>Macaria granitata</i> Guenée                    | 6352 |
| *Snowbush spanworm       | native | <i>Melanchroia chephise</i> (Cramer)               | 6616 |
| Orange wing              | native | <i>Melilla xanthometata</i> (Walker)               | 6322 |
| Horned spanworm          | native | <i>Nematocampa resistaria</i> (Herrich-Schäffer)   | 7009 |
| Pine conelet looper      | native | <i>Nepytia semiclusaria</i> (Walker)               | 6908 |
| Gem                      | native | <i>Orthonama obstipata</i> (Fabricius)             | 7414 |
| Eastern oak looper       | native | <i>Phigalia titea</i> (Cramer)                     | 6658 |
| Large maple spanworm     | native | <i>Prochoerodes transverata incurvata</i> (Guenée) | 6982 |

**LASIOCAMPIDAE**

|                          |        |  |      |
|--------------------------|--------|--|------|
| Eastern tent caterpillar | native | <i>Malacosoma americanum</i> (Fabricius) | 7701 |
| Forest tent caterpillar  | native | <i>Malacosoma disstria</i> Hübner        | 7698 |
| Southern lappet moth     | native | <i>Phyllodesma occidentis</i> (Walker)   | 7686 |

**SATURNIIDAE**

|                                  |        |  |      |
|----------------------------------|--------|--|------|
| *Southern oakworm                | native | <i>Anisota consularis</i> Dyar         | 7718 |
| Peigler's orange-striped oakworm | native | <i>Anisota peigleri</i> Riotte         | 7720 |
| Spiny oakworm                    | native | <i>Anisota stigma</i> (Fabricius)      | 7716 |
| *Virginia oakworm                | native | <i>Anisota virginiensis</i> (Drury)    | 7723 |
| Io moth                          | native | <i>Automeris io</i> (Fabricius)        | 7746 |
| Green-striped mapleworm          | native | <i>Dryocampa rubicunda</i> (Fabricius) | 7715 |
| Buck moth                        | native | <i>Hemileuca maia</i> (Drury)          | 7730 |

**SPHINGIDAE**

|                         |           |  |      |
|-------------------------|-----------|--|------|
| Sweetpotato hornworm    | Caribbean | <i>Agrius cingulatus</i> (Fabricius)     | 7771 |
| Catalpa sphinx          | native    | <i>Ceratomia catalpae</i> (Boisduval)    | 7789 |
| Virginia-creeper sphinx | native    | <i>Darapsa myron</i> (Cramer)            | 7885 |
| Azalea sphinx           | native    | <i>Darapsa pholus</i> (Cramer)           | 7886 |
| Hydrangea sphinx        | native    | <i>Darapsa versicolor</i> (Harris)       | 7884 |
| Mournful sphinx         | Caribbean | <i>Enyo lugubris</i> (Linnaeus)          | 7851 |
| Cassava hornworm        | Caribbean | <i>Erinnyis alope</i> (Drury)            | 7832 |
| Ello sphinx             | Caribbean | <i>Erinnyis ello</i> (Linnaeus)          | 7834 |
| *Oleander sphinx        | Caribbean | <i>Erinnyis oenotrus</i> (Cramer)        | 7835 |
| Achemon sphinx          | native    | <i>Eumorpha achemon</i> (Drury)          | 7861 |
| Pandora sphinx          | native    | <i>Eumorpha pandorus</i> (Hübner)        | 7859 |
| Vine sphinx             | native    | <i>Eumorpha vitis</i> (Linnaeus)         | 7864 |
| White-lined sphinx      | native    | <i>Hyles lineata</i> (Fabricius)         | 7894 |
| Walnut sphinx           | native    | <i>Laothoe juglandis</i> (J. E. Smith)   | 7827 |
| Pine sphinx             | native    | <i>Lapara coniferarum</i> (J. E. Smith)  | 7816 |
| Tomato hornworm         | native    | <i>Manduca quinquemaculata</i> (Haworth) | 7776 |
| Rustic sphinx           | native    | <i>Manduca rustica</i> (Fabricius)       | 7778 |
| Tobacco hornworm        | native    | <i>Manduca sexta</i> (Linnaeus)          | 7775 |
| Fig sphinx              | native    | <i>Pachylia ficus</i> (Linnaeus)         | 7841 |
| Big poplar sphinx       | native    | <i>Pachysphinx modesta</i> (Harris)      | 7828 |
| Huckleberry sphinx      | native    | <i>Paonias astylus</i> (Drury)           | 7826 |
| Giant gray sphinx       | Caribbean | <i>Pseudosphinx tetrio</i> (Linnaeus)    | 7830 |
| Great ash sphinx        | native    | <i>Sphinx chersis</i> (Hübner)           | 7802 |
| Apple sphinx            | native    | <i>Sphinx gordius</i> Cramer             | 7810 |

**NOTODONTIDAE**

|                              |        |   |      |
|------------------------------|--------|---|------|
| Poplar tentmaker             | native | <i>Clostera inclusa jocosa</i> (H. Edwards) | 7896 |
| Walnut caterpillar           | native | <i>Datana integerrima</i> Grote & Robinson  | 7907 |
| Azalea caterpillar           | native | <i>Datana major</i> (Grote & Robinson)      | 7905 |
| Yellow-necked caterpillar    | native | <i>Datana ministra</i> (Drury)              | 7902 |
| Saddled prominent            | native | <i>Heterocampa guttivitta</i> (Walker)      | 7994 |
| *Oblique prominent           | native | <i>Heterocampa obliqua</i> Packard          | 7983 |
| Variable oakleaf caterpillar | native | <i>Lochmaeus manteo</i> Doubleday           | 7998 |
| Red-humped caterpillar       | native | <i>Schizura concinna</i> (J. E. Smith)      | 8010 |
| Morning glory prominent      | native | <i>Schizura ipomoeae</i> Doubleday          | 8005 |
| Unicorn caterpillar          | native | <i>Schizura unicornis</i> (J. E. Smith)     | 8007 |

**ARCTIIDAE**

|                              |           |   |      |
|------------------------------|-----------|---|------|
| Spotted oleander caterpillar | Caribbean | <i>Empyreuma affinis</i> Rothschild         | 8272 |
| Saltmarsh caterpillar        | native    | <i>Estigmene acrea</i> (Drury)              | 8131 |
| Florida tussock moth         | native    | <i>Halysidota cinctipes</i> Grote           | 8202 |
| Sycamore tussock moth        | native    | <i>Halysidota harrisii</i> Walsh            | 8204 |
| Banded tussock moth          | Caribbean | <i>Halysidota tessellaris</i> (J. E. Smith) | 8203 |
| *Giant woollybear            | native    | <i>Hypercompe scribonia</i> (Stoll)         | 8146 |
| Fall webworm                 | native    | <i>Hyphantria cunea</i> (Drury)             | 8140 |
| Edward's wasp moth           | native    | <i>Lymire edwardsii</i> (Grote)             | 8270 |
| Banded woollybear            | native    | <i>Pyrharctia isabella</i> (J. E. Smith)    | 8129 |
| Yellow bear                  | native    | <i>Spilosoma virginica</i> (Fabricius)      | 8137 |
| Oleander caterpillar         | Caribbean | <i>Syntomeida epilais jucundissima</i> Dyar | 8284 |

|                                |           |  |       |
|--------------------------------|-----------|--|-------|
| Bella moth                     | native    | <i>Utetheisa bella</i> (Linnaeus)              | 8106  |
| <b>LYMANTRIIDAE</b>            |           |  |       |
| Gypsy moth                     | Europe    | <i>Lymantria dispar</i> (Linnaeus) - [stray]   | 8318  |
| White-marked tussock moth      | native    | <i>Orgyia leucostigma</i> (J. E. Smith)        | 8316  |
| <b>NOCTUIDAE</b>               |           |  |       |
| Mottled gray cutworm           | native    | <i>Abagrotis alternata</i> (Grote)             | 11029 |
| Elder shoot borer              | native    | <i>Achatodes zeae</i> (Harris)                 | 9520  |
| American dagger moth           | native    | <i>Acrionicta americana</i> (Harris)           | 9200  |
| Birch dagger moth              | native    | <i>Acrionicta betulae</i> Riley                | 9208  |
| Fingered dagger moth           | native    | <i>Acrionicta dactylina</i> Grote              | 9203  |
| Gray dagger moth               | native    | <i>Acrionicta grisea</i> Walker                | 9212  |
| Speared dagger moth            | native    | <i>Acrionicta hasta</i> Guenée                 | 9229  |
| Cottonwood dagger moth         | native    | <i>Acrionicta lepusculina</i> Guenée           | 9205  |
| Streaked dagger moth           | native    | <i>Acrionicta lithospila</i> Grote             | 9266  |
| Ochre dagger moth              | native    | <i>Acrionicta morula</i> Grote & Robinson      | 9236  |
| Smeared dagger moth            | native    | <i>Acrionicta obliterata</i> (J. E. Smith)     | 9272  |
| Ruddy dagger moth              | native    | <i>Acrionicta rubricoma</i> Guenée             | 9199  |
| Triton dagger moth             | native    | <i>Acrionicta tritona</i> (Hübner)             | 9211  |
| Clay-backed cutworm            | native    | <i>Agrotis gladiaria</i> Morrison              | 10648 |
| Greasy cutworm (black cutworm) | Europe    | <i>Agrotis ipsilon</i> (Hufnagel)              | 10663 |
| Pale-sided cutworm             | native    | <i>Agrotis malefida</i> Guenée                 | 10661 |
| Granulated cutworm             | native    | <i>Agrotis subterranea</i> (Fabricius)         | 10664 |
| Dusky cutworm                  | native    | <i>Agrotis venerabilis</i> Walker              | 10651 |
| Cotton leafworm                | native    | <i>Alabama argillacea</i> (Hübner)             | 8554  |
| Pyramidal fruitworm            | native    | <i>Amphipyra pyramidoides</i> Guenée           | 9638  |
| Celery looper                  | native    | <i>Anagrapha falcifera</i> (Kirby)             | 8924  |
| Green cutworm                  | native    | <i>Anicla infecta</i> (Ochsenheimer)           | 10911 |
| Mallow caterpillar             | native    | <i>Anomis erosa</i> Hübner                     | 8545  |
| Velvetbean caterpillar         | native    | <i>Anticarsia gemmatilis</i> Hübner            | 8574  |
| Golden looper                  | native    | <i>Argyrogramma verruca</i> (Fabricius)        | 8885  |
| Black witch                    | Caribbean | <i>Ascalapha odorata</i> (Linnaeus)            | 8649  |
| Bean-leaf skeletonizer         | Caribbean | <i>Autoplusia egea</i> (Guenée)                | 8891  |
| Many-dotted appleworm          | native    | <i>Balsa malana</i> (Fitch)                    | 9662  |
| Pickereelweed borer            | native    | <i>Bellura densa</i> (Walker)                  | 9526  |
| Clover looper                  | native    | <i>Caenurgina crassiuscula</i> (Haworth)       | 8738  |
| Forage looper                  | native    | <i>Caenurgina erechtea</i> (Cramer)            | 8739  |
| Florida fern caterpillar       | native    | <i>Callopietria floridensis</i> (Guenée)       | 9630  |
| Clover cutworm                 | Europe    | <i>Discestra trifolii</i> (Hufnagel)           | 10223 |
| Army cutworm                   | native    | <i>Euxoa auxillaris</i> (Grote)                | 10731 |
| Striped cutworm                | native    | <i>Euxoa tessellata</i> (Harris)               | 10805 |
| Herilis cutworm                | native    | <i>Feltia herilis</i> (Grote)                  | 10676 |
| Dingy cutworm                  | native    | <i>Feltia jaculifera</i> (Guenée)              | 10670 |
| Subgothic cutworm              | native    | <i>Feltia subgothica</i> (Haworth)             | 10674 |
| *Citrus fruit-piercer          | Caribbean | <i>Gonodonta nutrix</i> (Cramer)               | 8540  |
| Corn earworm                   | native    | <i>Helicoverpa zea</i> (Boddie)                | 11068 |
| Subflexa budworm               | native    | <i>Heliothis subflexa</i> (Guenée)             | 11070 |
| Tobacco budworm                | native    | <i>Heliothis virescens</i> (Fabricius)         | 11071 |
| Hop looper                     | native    | <i>Hypena humuli</i> Harris                    | 8461  |
| Bristly cutworm                | native    | <i>Lacinipolia renigera</i> (Stephens)         | 10397 |
| Green fruitworm                | native    | <i>Lithophane antennata</i> (Walker)           | 9910  |
| Cabbage palm caterpillar       | native    | <i>Litoprosopus futilis</i> (Grote & Robinson) | 8556  |
| *Royal poinciana caterpillar   | Caribbean | <i>Melipotis acontoides</i> (Guenée)           | 8610  |
| Striped grass looper           | Caribbean | <i>Mocis latipes</i> (Guenée)                  | 8743  |
| Lantana stick caterpillar      | Caribbean | <i>Neogalea sunia</i> (Guenée)                 | 10032 |
| Sorghum webworm                | native    | <i>Nola cereella</i> (Bosc)                    | 8991  |
| Lined stalk borer              | native    | <i>Oligia fractilinea</i> (Grote)              | 9406  |

|                            |           |   |         |
|----------------------------|-----------|---|---------|
| Speckled green fruitworm   | native    | <i>Orthosia hibisci</i> (Guenée)                  | 10495   |
| Osmunda borer              | native    | <i>Papaipema speciosissima</i> (Grote & Robinson) | 9482    |
| Chain fern borer           | native    | <i>Papaipema stenocelis</i> (Dyar)                | 9481    |
| Variegated cutworm         | Europe    | <i>Peridroma saucia</i> (Hübner)                  | 10915   |
| Green cloverworm           | native    | <i>Plathypena scabra</i> (Fabricius)              | 8465    |
| Armyworm                   | native    | <i>Pseudaletia unipuncta</i> (Haworth)            | 10438   |
| Soybean looper             | native    | <i>Pseudoplusia includens</i> (Walker)            | 8890    |
| Lesser soybean looper      | native    | <i>Rachiplusia ou</i> (Guenée)                    | 8895    |
| *Legume caterpillar        | native    | <i>Selenisa sueroides</i> (Guenée)                | 8658    |
| *Gray armyworm             | Caribbean | <i>Spodoptera albula</i> (Walker)                 | 9673    |
| *Androgea armyworm         | Caribbean | <i>Spodoptera androgea</i> (Stoll)                | 9673.1  |
| *Sweetpotato armyworm      | Caribbean | <i>Spodoptera dolichos</i> (Fabricius)            | 9671    |
| Southern armyworm          | native    | <i>Spodoptera eridania</i> (Cramer)               | 9672    |
| Beet armyworm              | native    | <i>Spodoptera exigua</i> (Hübner)                 | 9665    |
| Fall armyworm              | native    | <i>Spodoptera frugiperda</i> (J. E. Smith)        | 9666    |
| *Garden armyworm           | native    | <i>Spodoptera latifascia</i> (Walker)             | 9670    |
| Yellow-striped armyworm    | native    | <i>Spodoptera ornithogalli</i> (Guenée)           | 9669    |
| *Caribbean armyworm        | Caribbean | <i>Spodoptera pulchella</i> (Herrich-Schäffer)    | 9668    |
| Cabbage looper             | Europe    | <i>Trichoplusia ni</i> (Hübner)                   | 8887    |
| Striped garden caterpillar | native    | <i>Trichordestra legitima</i> (Grote)             | 10304   |
| Spanish moth               | native    | <i>Xanthopastis timais</i> (Cramer)               | 10640   |
| Spotted cutworm            | native    | <i>Xestia dolosa</i> Franclemont                  | 10942.1 |

## PEST NAME INDEX

- Abbot's bagworm - *Oiketicus abbotii* Grote - 454  
 Achemon sphinx - *Eumorphia achemon* (Drury) - 7861  
 Acorn moth - *Blastobasis glandulella* (Riley) - 1162  
 African scavenger moth - *Praeacedes atomosella* (Walker) - 423  
 Ailanthus webworm - *Atteva pustulella* (Fabricius) - 2401  
 Alfalfa caterpillar - *Colias eurytheme* Boisduval - 4210  
 Almond moth - *Cadra cautella* (Walker) - 6022  
 American celery webworm - *Nomophila nearctica* Munroe - 5156  
 American dagger moth - *Acronicta americana* (Harris) - 9200  
 American mulberry leaf-tier - *Glyphodes sibillalis* Walker - 5198  
 American plum borer - *Euzophera semifuneralis* (Walker) - 5995  
 Androgea armyworm - *Spodoptera androgea* (Stoll) - 9673.1  
 Angoumois grain moth - *Sitotroga cerealella* (Olivier) - 2260  
 Apple bark borer - *Synanthedon pyri* (Harris) - 2565  
 Apple fruit moth - *Argyresthia conjugella* Zeller - 2449  
 Apple sphinx - *Sphinx gordius* Cramer - 7810  
 Army cutworm - *Euxoa auxillaris* (Grote) - 10731  
 Armyworm - *Pseudaletia unipuncta* (Haworth) - 10438  
 Arrowwood clearwing borer - *Synanthedon fatifera* Hodges - 2555  
 Artichoke plume moth - *Platyptilia carduidactyla* (Riley) - 6109  
 Ash borer - *Podosesia syringae* (Harris) - 2589  
 Avocado leafminer - *Caloptilia perseae* (Busck) - 623  
 Avocado spanworm - *Epimecis detexta* (Walker) - 6604  
 Avocado serpentine leafminer - *Phyllocnistis* n. sp. - 851.2  
 Azalea caterpillar - *Datana major* (Grote & Robinson) - 7905  
 Azalea leafminer - *Caloptilia azaleella* (Brants) - 592  
 Azalea sphinx - *Darapsa pholus* (Cramer) - 7886  
 Bagworm - *Thyridopteryx ephemeraeformis* (Haworth) - 457  
 Bald cypress coneworm - *Dioryctria pygmaella* Ragonot - 5849  
 Banana moth - *Opogona sacchari* (Bojer) - 432.1  
 Banded ash clearwing - *Podosesia aureocincta* Purrington & Nielsen - 2588  
 Banded tussock moth - *Halytidota tessellaris* (J. E. Smith) - 8203  
 Banded woollybear - *Pyrrharctia isabella* (J. E. Smith) - 8129  
 Barberry geometer - *Coryphista meadii* (Packard) - 7290  
 Basswood leafroller - *Pantographa limata* (Grote & Robinson) - 5241  
 Bayberry leaf-tier - *Strepsicrates smithiana* (Walsingham) - 2907  
 Bean leafroller - *Urbanus proteus* (Linnaeus) - 3886  
 Bean-leaf skeletonizer - *Autopliusia egena* (Guenée) - 8891  
 Bean leafwebber - *Omiodes indicata* (Fabricius) - 5212  
 Bean pod borer - *Maruca vitrata* (Fabricius) - 5157.1  
 Beet armyworm - *Spodoptera exigua* (Hübner) - 9665  
 Bella moth - *Utetheisa bella* (Linnaeus) - 8106  
 Bidens borer - *Epiblema otiosana* (Clemens) - 3202  
 Big poplar sphinx - *Pachysphinx modesta* (Harris) - 7828  
 Birch dagger moth - *Acronicta betulae* Riley - 9208  
 Bird nest moth - *Monopis crocipitella* (Clemens) - 415  
 Blackberry leafminer - *Tischeria aenea* Frey & Boll - 149  
 Blackberry looper - *Chlorochlamys chloroleucaria* (Guenée) - 7071  
 Black cutworm - *Agrotis ipsilon* (Hufnagel) - 10663  
 Black gum clearwing - *Synanthedon rubrofascia* (H. Edwards) - 2567  
 Black swallowtail - *Papilio polyxenes asterius* Stoll - 4159  
 Black-waved flannel moth - *Lagoa crispata* (Packard) - 4644  
 Black witch - *Ascalapha odorata* (Linnaeus) - 8649  
 Blister coneworm - *Dioryctria clarioralis* (Walker) - 5863.1  
 Blue cactus borer - *Melitara prodenialis* Walker - 5970  
 Blueberry gray - *Glena cognataria* (Hübner) - 6450  
 Blueberry leaf-tier - *Croesia curvalana* (Kearfott) - 3504  
 Bluegrass webworm - *Parapediasia teterrella* (Zincken) - 5451  
 Bougainvillea caterpillar - *Asciodes gordialis* Guenée - 5267  
 Bristly cutworm - *Lacinipolia renigera* (Stephens) - 10397  
 Bromeliad pod borer - *Epimoriis testaceellus* Ragonot - 5634.1  
 Buck moth - *Hemileuca maia* (Drury) - 7730  
 Bumelia webworm - *Urodus parvula* (H. Edwards) - 2415  
 Burdock seed moth - *Metzneria lappella* (Linnaeus) - 1685  
 Cabbage looper - *Trichoplusia ni* (Hübner) - 8887  
 Cabbage palm caterpillar - *Litoprosopus futilis* (Grote & Robinson) - 8556  
 Cabbage webworm - *Hellula rogatalis* (Hulst) - 4846  
 Cacao moth - *Ephestia elutella* (Hübner) - 6021  
 Cactus moth - *Cactoblastis cactorum* (Berg) - 5976.1  
 Canna leafroller - *Calpodes ehlui* (Stoll) - 4115  
 Caper leaf webber - *Dichogama redtenbacheri* Lederer - 4790  
 Caribbean armyworm - *Spodoptera pulchella* (Herrich-Schäffer) - 9668  
 Caribbean dried fruit moth - *Ectomyelois decolor* (Zeller) - 5722  
 Caribbean palm leaf skeletonizer - *Homaledra* n. sp. - 1422.1  
 Caribbean pod borer - *Fundella pellucens* (Zeller) - 5725  
 Caribbean scavenger moth - *Erechthias minuscula* (Walsingham) - 304  
 Carob moth - *Ectomyelois ceratoniae* (Zeller) - 5723  
 Carpenterworm - *Prionoxystus robiniae* (Peck) - 2693  
 Carpetgrass webworm - *Fissicrambus haytiellus* (Zincken) - 5433  
 Casemaking clothes moth - *Tinea pellionella* Linnaeus - 405  
 Cassava hornworm - *Erinnyis alope* (Drury) - 7832  
 Cassia webworm - *Anabasis ochrodesma* (Zeller) - 5704  
 Catalpa sphinx - *Ceratonia catalpae* (Boisduval) - 7789  
 Celery leaf-tier - *Udea rubigalis* (Guenée) - 5079  
 Celery looper - *Anagrapha falcifera* (Kirby) - 8924  
 Chain fern borer - *Papaipema stenocelis* (Dyar) - 9481  
 Cherry fruitworm - *Grapholita packardii* Zeller - 3428  
 Chestnut clearwing borer - *Synanthedon castaneae* (Busck) - 2577  
 Chickweed geometer - *Haematopsis grataria* (Fabricius) - 7146  
 Chrysanthemum flower borer - *Lorita sacrificata* (Meyrick) - 3781  
 Citrus fruit-piercer - *Gonodonta nutrix* (Cramer) - 8540  
 Citrus leafminer - *Phyllocnistis citrella* Stainton - 854.1  
 Clay-backed cutworm - *Agrotis gladiaria* Morrison - 10648  
 Clematis clearwing - *Alcathoe caudata* (Harris) - 2623  
 Clemens' bark moth - *Xylesthia pruniramiella* Clemens - 317  
 Clemens' grass tubeworm - *Acrolophus popeanella* (Clemens) - 373  
 Clidemia leafroller - *Ategumia ebulealis* (Guenée) - 5158  
 Clouded sulphur - *Colias philodice* Godart - 4209  
 Clover cutworm - *Discestra trifolii* (Hufnagel) - 10223  
 Clover looper - *Caenurgina crassiuscula* (Haworth) - 8738  
 Codling moth - *Cydia pomonella* (Linnaeus) - 3492  
 Common gray - *Anavitrinella pampinaria* (Guenée) - 6590  
 Coontie hairstreak - *Eumaeus atala florida* Röber - 4268  
 Corn earworm - *Heliothis zea* (Boddie) - 11068  
 Corn root webworm - *Crambus caliginosellus* Clemens - 5381  
 Cotton cutworm - *Spodoptera ornithogalli* (Guenée) - 9669  
 Cotton leafminer - *Stigmella gossypii* (Forbes & Leonard) - 76  
 Cotton leafworm - *Alabama argillacea* (Hübner) - 8554  
 Cotton square borer - *Strymon melinus* Hübner - 4336  
 Cottonwood dagger moth - *Acronicta lepusculina* Guenée - 9205  
 Cottonwood twig borer - *Gypsonoma hainbachiana* (Kearfott) - 3226  
 Cranberry fruitworm - *Acrobasis vaccinii* Riley - 5653  
 Cross-striped cabbage worm - *Evergestis rimosalis* (Guenée) - 4898  
 Cypress looper - *Anacamptodes pergracilis* (Hulst) - 6580  
 Diamondback moth - *Plutella xylostella* (Linnaeus) - 2366  
 Dingy cutworm - *Feltia jaculifera* (Guenée) - 10670  
 Dogwood borer - *Synanthedon scitula* (Harris) - 2549  
 Dotted gray - *Glena cribrataria* (Guenée) - 6449  
 Dried fruit moth - *Vitula edmandsii* (Packard) - 6007  
 Dusky cutworm - *Agrotis venerabilis* Walker - 10651  
 Eastern grass tubeworm - *Acrolophus plumifrontella* (Clemens) - 372  
 Eastern oak looper - *Phigalia titea* (Cramer) - 6658  
 Eastern pine catkin borer - *Calosima dianella* Dietz - 1169  
 Eastern pine seedworm - *Cydia toreuta* (Grote) - 3486  
 Eastern tent caterpillar - *Malacosoma americanum* (Fabricius) - 7701  
 Edward's wasp moth - *Lymire edwardsii* (Grote) - 8270  
 Eggplant leafminer - *Tildenia glochinella* (Zeller) - 2049  
 Eggplant leafroller - *Lineodes integra* (Zeller) - 5107  
 Eggplant webworm - *Rhethocraspeda periusalis* (Walker) - 5157  
 Elder shoot borer - *Achatodes zaeae* (Harris) - 9520  
 Ello sphinx - *Erinnyis ello* (Linnaeus) - 7834  
 Elm spanworm - *Ennomos subsignaria* (Hübner) - 6798  
 Erythrina borer - *Terastia meticulosalis* Guenée - 5239  
 Erythrina leafminer - *Leucoptera erythrinella* Busck - 477  
 Erythrina leafroller - *Agathodes designalis* Guenée - 5240  
 European corn borer - *Ostrinia nubilalis* (Hübner) - 4949  
 European grain moth - *Nemapogon granella* (Linnaeus) - 266  
 European house moth - *Niditinea fuscella* (Linnaeus) - 411  
 European poplar clearwing borer - *Paranthrene tabaniformis* (Rottemberg) - 2524  
 Exotic pumpkin caterpillar - *Diaphania indica* (Saunders) - 5207  
 Eyespotted bud moth - *Spilonota ocellana* (Denis & Schiffermüller) - 2906  
 Fall armyworm - *Spodoptera frugiperda* (J. E. Smith) - 9666  
 Fall cankerworm - *Alsophila pometaria* (Harris) - 6258  
 Fall webworm - *Hyphantria cunea* (Drury) - 8140  
 False wax moth - *Vitula edmandsii* (Packard) - 6007  
 Ficus budworm - *Tortyra slosonia* (Fernald) - 2653  
 Fig moth - *Cadra cautella* (Walker) - 6022  
 Fig sphinx - *Pachylia ficus* (Linnaeus) - 7841  
 Filbertworm - *Cydia latiferreanus* (Walsingham) - 3494  
 Fingered dagger moth - *Acronicta dactylina* Grote - 9203  
 Floating-heart waterlily leafcutter - *Paraponyx seminealis* (Walker) - 4763  
 Florida citrus peel miner - *Marmara* n. sp. - 716.1  
 Florida fern caterpillar - *Callopietria floridensis* (Guenée) - 9630  
 Florida morning glory leafminer - *Bedellia minor* Busck - 465  
 Florida pink scavenger caterpillar - *Pyroderces badia* (Hodges) - 1513



- Florida tussock moth - *Halysidota cinctipes* Grote - 8202  
 Forage looper - *Caenurgina erechtea* (Cramer) - 8739  
 Forest tent caterpillar - *Malacosoma dissitria* Hübner - 7698  
 Fruit-tree leafroller - *Archips argyrospila* (Walker) - 3648  
 Fungus grain moth - *Episcardia insectella* (Fabricius) - 325  
 Garden armyworm - *Spodoptera latifascia* (Walker) - 9670  
 Garden looper - *Argyrogramma verruca* (Fabricius) - 8885  
 Garden tortrix - *Ptycholoma peritana* (Clemens) - 3688  
 Garden webworm - *Achyra rantalis* (Guenée) - 4975  
 Gem - *Orthonama obstipata* (Fabricius) - 7414  
 Genista caterpillar - *Uresiphita reversalis* (Guenée) - 4992  
 Giant gray sphinx - *Pseudosphinx tetrio* (Linnaeus) - 7830  
 Giant swallowtail - *Papilio cresphontes* Cramer - 4170  
 Giant woollybear - *Hypercompe scribonia* (Stoll) - 8146  
 Golden looper moth - *Argyrogramma verruca* (Fabricius) - 8885  
 Golden oak borer - *Paranthrene simulans* (Grote) - 2527  
 Goldenrod gallmaker - *Gnorimoschema gallaesolidaginis* (Riley) - 1986  
 Gooseberry fruitworm - *Zophodia grossulariella* (Hübner) - 5968  
 Granite moth - *Macaria granitata* Guenée - 6352  
 Grant's pine tip moth - *Rhyacionia granti* W. E. Miller - 2879.1  
 Granulated cutworm - *Agrotis subterranea* (Fabricius) - 10664  
 Grape berry moth - *Endopiza viteana* Clemens - 2712  
 Grape leaf folder - *Desmia funeralis* (Hübner) - 5159  
 Grape leaf skeletonizer - *Harrisina americana* (Guérin-Méneville) - 4624  
 Grape root borer - *Viacea polistiformis* (Harris) - 2530  
 Grass tubeworm - *Acrolophus arcanella* (Clemens) - 340  
 Gray armyworm - *Spodoptera albula* (Walker) - 9673  
 Gray-banded leafroller - *Argyrotaenia mariana* (Fernald) - 3625  
 Gray dagger moth - *Acronicta grisea* Walker - 9212  
 Gray platy - *Platynota stultana* (Walsingham) - 3736  
 Gray spring moth - *Lomographa glomeraria* (Grote) - 6668  
 Greasy cutworm - *Agrotis ipsilon* (Hufnagel) - 10663  
 Great ash sphinx - *Sphinx chersis* (Hübner) - 7802  
 Greater grapevine looper - *Eulithis gracilineata* (Guenée) - 7197  
 Greater sweetpotato webworm - *Herpetogramma fluctuosalis* (Lederer) - 5273  
 Greater wax moth - *Galleria mellonella* (Linnaeus) - 5622  
 Green cloverworm - *Plathypena scabra* (Fabricius) - 8465  
 Green cutworm - *Anicla infecta* (Ochsenheimer) - 10911  
 Green fruitworm - *Lithophane antennata* (Walker) - 9910  
 Green-striped mapleworm - *Dryocampa rubicunda* (Fabricius) - 7715  
 Gregarious oak leafminer - *Cameraria cinninatella* (Chambers) - 815  
 Guava caterpillar - *Prostomeus brunneus* Busck - 2256  
 Guava fruit moth - *Argyresthia eugeniella* Busck - 2452  
 Gypsy moth - *Lymantria dispar* (Linnaeus) - 8318  
 Hag moth - *Phobetron pithecium* (J. E. Smith) - 4677  
 Hawaiian beet webworm - *Spoladea recurvalis* (Fabricius) - 5170  
 Herilis cutworm - *Feltia herilis* (Grote) - 10676  
 Hickory leafroller - *Argyrotaenia juglandana* (Fernald) - 3622  
 Hickory shuckworm - *Cydia caryana* (Fitch) - 3471  
 Himalayan grain moth - *Martyringa xeraula* (Meyrick) - 1066  
 Hop looper - *Hypena humuli* Harris - 8461  
 Horned spanworm - *Nematocampa resistaria* (Herrich-Schäffer) - 7009  
 Huckleberry sphinx - *Paonias astylus* (Drury) - 7826  
 Hydrangea sphinx - *Darapsa stylicolor* (Harris) - 7884  
 Imported cabbageworm - *Pieris rapae* (Linnaeus) - 4197  
 Indian meal moth - *Plodia interpunctella* (Hübner) - 6019  
 Io moth - *Automeris io* (Fabricius) - 7746  
 Ironweed clearwing - *Carmenta bassiformis* (Walker) - 2596  
 Ivana leafroller - *Argyrotaenia ivana* (Fernald) - 3627  
 Jack pine budworm - *Choristoneura pinus maritima* T. N. Freeman - 3643  
 Jatropha leafminer - *Neurobathra curcassi* Busck - 663.1  
 Juniper tip moth - *Glyphidocera juniperella* Adamski - 1136.1  
 Juniper webworm - *Lithophane marginella* (Fabricius) - 2282  
 Kiawe flower moth - *Ithome concolorella* (Chambers) - 1638  
 Lantana leaf-tier - *Salbia haemorrhoidalis* Guenée - 5287  
 Lantana plume moth - *Lantanophaga pusillidactyla* (Walker) - 6119  
 Lantana stick caterpillar - *Neogalea sunia* (Guenée) - 10032  
 Large aspen tortrix - *Choristoneura conflictana* (Walker) - 3637  
 Large maple spanworm - *Prochoerodes transversata incurvata* (Guenée) - 6982  
 Leaf crumpler - *Acrobasis indigenella* (Zeller) - 5651  
 Leatherleaf fern borer - *Undulambia polystichalis* Capps - 4741  
 Legume caterpillar - *Selenisa sueroides* (Guenée) - 8658  
 Lespedeza webworm - *Tetralopha scortealis* (Lederer) - 5596  
 Lesser canna leafroller - *Geshna cannalis* (Quaintance) - 5126  
 Lesser cornstalk borer - *Elasmopalpus lignosellus* (Zeller) - 5896  
 Lesser grape root borer - *Vitacea scepisiformis* (H. Edwards) - 2531  
 Lesser grapevine looper - *Eulithis diversilineata* (Hübner) - 7196  
 Lesser loblolly pine coneworm - *Dioryctria taedivorella* Neunzig & Leidy - 5852.2  
 Lesser maple spanworm - *Itame pustularia* (Guenée) - 6273  
 Lesser peachtree borer - *Synanthedon pictipes* (Grote & Robinson) - 2550  
 Lesser soybean looper - *Rachiplusia ou* (Guenée) - 8895  
 Lesser wax moth - *Achroia grisella* (Fabricius) - 5623  
 Lilac borer - *Podosesia syringae* (Harris) - 2589  
 Lima-bean pod borer - *Eriella zinckenella* (Treitschke) - 5744  
 Lima-bean vine borer - *Monopitula pergratialis* (Hulst) - 5736  
 Lined stalk borer - *Oligia fractilinea* (Grote) - 9406  
 Lichi bud moth - *Crociosema litchivora* Baixeras - 3274.2  
 Little carpenterworm - *Prionoxystus macmurtrei* (Guérin-Méneville) - 2694  
 Loblolly pine coneworm - *Dioryctria merkei* Mutuura & Munroe - 5852.1  
 Locust bean moth - *Ectomyelois ceratoniae* (Zeller) - 5723  
 Locust twig borer - *Ecdytolopha insiticiaria* Zeller - 3497  
 Longleaf pine seedworm - *Cydia ingens* (Heinrich) - 3487  
 Magnolia borer - *Euzophera magnolialis* Capps - 5996  
 Magnolia serpentine leafminer - *Phyllocnistis magnoliella* Forbes - 851  
 Mahogany leafminer - *Phyllocnistis meliacella* Becker - 851.1  
 Mahogany shootborer - *Hypsipyla grandella* (Zeller) - 5705  
 Mahogany webworm - *Macalla thyrsalis* Walker - 5575  
 Mallow caterpillar - *Anomis erosa* Hübner - 8545  
 Many-dotted appleworm - *Balsa malana* (Fitch) - 9662  
 Maple callus borer - *Synanthedon acerni* (Clemens) - 2554  
 Maple leaf-tier - *Episimus tyrius* Heinrich - 2703  
 Maple spanworm - *Ennomos magnaria* Guenée - 6797  
 Meal moth - *Pyrallis farinalis* Linnaeus - 5510  
 Mediterranean flour moth - *Ephesia kuehniella* Zeller - 6020  
 Melonworm - *Diaphania hyalinata* (Linnaeus) - 5204  
 Mimosa webworm - *Homadula anisocentra* Meyrick - 2400.1  
 Minute pitch-blister moth - *Retinia houseri* (W. E. Miller) - 2902  
 Morning glory leafminer - *Bedellia somnulentella* (Zeller) - 466  
 Morning glory prominent - *Schizura ipomoeae* Doubleday - 8005  
 Mottled gray cutworm - *Abagrotis alternata* (Grote) - 11029  
 Mournful sphinx - *Enyo lugubris* (Linnaeus) - 7851  
 Mulberry moth - *Glyphodes pyloalis* Walker - 5197  
 Mustard white - *Ascia monuste phileta* (Fabricius) - 4198  
 Nantucket pine tip moth - *Rhyacionia frustrana* (Comstock) - 2882  
 Nason's slug caterpillar - *Natada nasoni* (Grote) - 4679  
 Navel orangeworm - *Amyelois transitella* (Walker) - 5724  
 Oak clearwing borer - *Paranthrene asilipennis* (Guérin-Méneville) - 2522  
 Oak leaf shredder - *Croesia semipurpurana* (Kearfott) - 3503  
 Oak leafroller - *Archips semiferrana* (Walker) - 3653  
 Oblique-banded leafroller - *Choristoneura rosaceana* (Harris) - 3635  
 Oblique prominent - *Heterocampa obliqua* Packard - 7983  
 Ochre dagger moth - *Acronicta morula* Grote & Robinson - 9236  
 Oleander caterpillar - *Syntomeida epilais jucundissima* Dyar - 8284  
 Oleander sphinx - *Erinnyis oenotrus* (Cramer) - 7835  
 Omnivorous platy - *Platynota rostrana* (Walker) - 3745  
 Opogona moth - *Opogona sacchari* (Bojer) - 432.1  
 Orange dog - *Papilio cresphontes* Cramer - 4170  
 Orange webworm - *Dichomeris citrifoliella* (Chambers) - 2292  
 Orange wing - *Mellila xanthometata* (Walker) - 6322  
 Oriental fruit moth - *Grapholita molesta* (Busck) - 3426  
 Osmunda borer - *Papaipema speciosissima* (Grote & Robinson) - 9482  
 Pale-sided cutworm - *Agrotis malefida* Guenée - 10661  
 Palm bud moth - *Atheloca subrufella* (Hulst) - 5734  
 Palm leaf housemaker - *Homaledra heptathalama* Busck - 1421  
 Palm leaf skeletonizer - *Homaledra sabalella* (Chambers) - 1422  
 Palm leafroller - *Asbolis capucinus* (Lucas) - 4079  
 Palmerworm - *Dichomeris ligulella* Hübner - 2281  
 Pandora sphinx - *Eumorpha pandorus* (Hübner) - 7859  
 Papaya webworm - *Davara caricae* (Dyar) - 5732  
 Parallel-banded leafroller - *Choristoneura paralella* (Robinson) - 3633  
 Parsley worm - *Papilio polyxenes asterius* Stoll - 4159  
 Peach twig borer - *Anarsia lineatella* Zeller - 2257  
 Peachtree borer - *Synanthedon exitiosa* (Say) - 2583  
 Pecan bark borer - *Synanthedon geliformis* (Walker) - 2547  
 Pecan blotch miner - *Phyllonorycter caryaebella* (Chambers) - 741  
 Pecan bud moth - *Gretchena bolliana* (Slingerland) - 3263  
 Pecan carpenterworm - *Cossula magnifica* (Strecker) - 2674  
 Pecan cigar casebearer - *Coleophora laticornella* Clemens - 1291  
 Pecan leaf casebearer - *Acrobasis juglandis* (LeBaron) - 5661  
 Pecan leafminer - *Cameraria caryaefoliella* (Clemens) - 811  
 Pecan nursery casemaker - *Acrobasis caryivorella* Ragonot - 5686  
 Pecan nut casebearer - *Acrobasis nuxvorella* Neunzig - 5667  
 Pecan serpentine leafminer - *Stigmella juglandifoliella* (Clemens) - 95  
 Peigler's orange-striped oakworm - *Anisota peigleri* Riotte - 7720  
 Pepper flower-bud moth - *Symmetrischema capsicum* (Bradley & Povolný - 2032)

- Pine webworm - *Tetralopha robustella* Zeller - 5595  
Pink bollworm - *Pectinophora gossypiella* (Saunders) - 2261  
Pink scavenger caterpillar - *Pyroderces rileyi* (Walsingham) - 1512  
Pitch pine tip moth - *Rhyacionia rigidana* (Fernald) - 2868  
Plaster bagworm - *Phereoeca uterella* (Walsingham) - 390  
Pond apple leafroller - *Argyrotaenia amatana* (Dyar) - 3606  
Poplar clearwing borer - *Paranthrene dollii* Neumoegen - 2523  
Poplar tentmaker - *Clostera inclusa jocosa* (H. Edwards) - 7896  
Potato tuberworm - *Phthorimaea operculella* (Zeller) - 2011  
Puss caterpillar - *Megalopyge opercularis* (J. E. Smith) - 4647  
Pyramidal fruitworm - *Amphipyra pyramidoides* Guenée - 9638  
Ragweed borer - *Epiblema strenuana* (Walker) - 3172  
Raisin moth - *Cadra figulilella* (Gregon) - 6023  
Raspberry crown borer - *Pennisetia marginata* (Harris) - 2513  
Raspberry leafroller - *Olethreutes permundana* (Clemens) - 2817  
Red-banded leafroller - *Argyrotaenia velutinana* (Walker) - 3597  
Redbud leaf-folder - *Fascista cercerisella* (Chambers) - 2204  
Red-humped caterpillar - *Schizura concinna* (J. E. Smith) - 8010  
Red-necked peanutworm - *Stegasta bosqueella* (Chambers) - 2209  
Rice leafroller - *Lerodea eufala* (H. Edwards) - 4111  
Rice moth - *Corcyra cephalonica* (Stainton) - 5634  
Rice stalk borer - *Chilo plejadellus* Zincken - 5470  
Rose hooktip - *Oreta rosea* (Walker) - 6255  
Royal ponciana caterpillar - *Melipotis acontoides* Guenée - 8610  
Ruddy dagger moth - *Acronicta rubricoma* Guenée - 9199  
Rustic sphinx - *Manduca rustica* (Fabricius) - 7778  
Saddleback caterpillar - *Acharia stimulea* (Clemens) - 4700  
Saddled prominent - *Heterocampa guttivitta* (Walker) - 7994  
Saltmarsh caterpillar - *Estigmene acrea* (Drury) - 8131  
Sapodilla borer - *Banisia myrsualis* (Walker) - 6086  
Sapodilla pod borer - *Dichrorampha sapodilla* Heppner - 3414.1  
Seagrape borer - *Hexeris enhydris* Grote - 6082  
Seagrape leafminer - *Enteucha gilvafascia* (Davis) - 118  
Shortleaf pine cone borer - *Eucosma cocana* Kearfott - 3072  
Silver-spotted skipper - *Epargyreus clarus* (Cramer) - 3870  
Skiff moth - *Prolimacodes badgyi* (Hübner) - 4671  
Slash pine seedworm - *Cydia anaranjada* (W. E. Miller) - 3488  
Smartweed borer - *Ostrinia obumbratalis* (Lederer) - 4947  
Smeared dagger moth - *Acronicta oblinia* (J. E. Smith) - 9272  
Snowbush spanworm - *Melanochroia chephise* (Cramer) - 6616  
Sod webworm - *Pediasia trisecta* (Walker) - 5413  
Solitary oak leafminer - *Cameraria hamadryadella* (Clemens) - 823  
Sorghum webworm - *Nola cereella* (Bosc) - 8991  
South coastal coneworm - *Dioryctria ebeli* Mutuura & Munroe - 5841.1  
Southern armyworm - *Spodoptera eridania* (Cramer) - 9672  
Southern beet webworm - *Herpetogramma bipunctalis* (Fabricius) - 5272  
Southern cabbageworm - *Pontia protodice* (Boisduval & Leconte) - 4193  
Southern cornstalk borer - *Diatraea crambidoides* (Grote) - 5476  
Southern flannel moth - *Megalopyge opercularis* (J. E. Smith) - 4647  
Southern hayworm - *Ocraea nostralis* (Guenée) - 5531  
Southern lappet moth - *Phyllodesma occidentis* (Walker) - 7686  
Southern oak looper - *Lambdina pultaria* (Guenée) - 6889  
Southern oakworm - *Anisota consularis* Dyar - 7718  
Southern pine catkinworm - *Satronia tantilla* Heinrich - 3415  
Southern pine coneworm - *Dioryctria amatella* (Hulst) - 5853  
Southern pine looper - *Carpeta aretaria* (Walker) - 6869  
Southern pitch-blisters moth - *Retinia taedana* (W. E. Miller) - 2890  
Southern uglynest caterpillar - *Archips rileyana* (Grote) - 3662  
Soybean looper - *Pseudoplusia includens* (Walker) - 8890  
Soybean webworm - *Brachyacma palpigera* (Walsingham) - 2272  
Spanish moth - *Xanthopastis timais* (Cramer) - 10640  
Speared dagger moth - *Acronicta hasta* Guenée - 9229  
Speckled green fruitworm - *Orthosia hibisci* (Guenée) - 10495  
Spiny oak-slug caterpillar - *Euclea delphinii* (Boisduval) - 4697  
Spiny oakworm - *Anisota stigma* (Fabricius) - 7716  
Spotted beet webworm - *Hymenaria perspectalis* (Hübner) - 5169  
Spotted cutworm - *Xestia dolosa* Franclemont - 10942.1  
Spotted oleander caterpillar - *Empyreuma affinis* Rothschild - 8272  
Spruce budworm - *Choristoneura fumiferana* (Clemens) - 3638  
Squash vine borer - *Melittia cucurbitae* (Harris) - 2536  
Stinging rose caterpillar - *Parasa indetermina* (Boisduval) - 4699  
Stored grain moth - *Aglossa caprealis* (Hübner) - 5517  
Strawberry leafroller - *Ancylis comptana* (Frölich) - 3374  
Streaked dagger moth - *Acronicta lithospila* Grote - 9266  
Striped cutworm - *Euxoa tessellata* (Harris) - 10805  
Striped garden caterpillar - *Trichordestra legitima* (Grote) - 10304  
Striped grass looper - *Mocis latipes* (Guenée) - 8743  
Subflexa budworm - *Heliothis subflexa* (Guenée) - 11070  
Subgothic cutworm - *Feltia subgothica* (Haworth) - 10676  
Subtropical pine tip moth - *Rhyacionia subtropica* W. E. Miller - 2869  
Sugarbeet crown borer - *Helystia undulata* (Clemens) - 5918  
Sugarcane borer - *Diatraea saccharalis* (Fabricius) - 5475  
Sugarcane leaf miner - *Dicranoctetes saccharella* (Busck) - 1132.1  
Sumac webworm - *Nephopterix subfuscella* (Ragonot) - 5789  
Sunflower bud moth - *Suleima helianthana* (Riley) - 3212  
Sunflower moth - *Homoeosoma electellum* (Hulst) - 5935  
Sweetpotato armyworm - *Spodoptera dolichos* (Fabricius) - 9671  
Sweetpotato hornworm - *Agrius cingulatus* (Fabricius) - 7771  
Sweetpotato leafroller - *Lygropia tripunctata* (Fabricius) - 5248  
Sweetpotato root borer - *Walshea miscelorella* (Chambers) - 1615  
Sweetpotato webworm - *Helcystogramma convolvuli* (Walsingham) - 2265.1  
Sycamore tussock moth - *Halysidota harrisii* Walsh - 8204  
Teak moth - *Hyblaea puera* (Cramer) - 6088  
Texas grass tubeworm - *Acrolophus texanella* (Chambers) - 383  
Three-lined leafroller - *Pandemis limitata* (Robinson) - 3594  
Tobacco budworm - *Heliothis virescens* (Fabricius) - 11071  
Tobacco hornworm - *Manduca sexta* (Linnaeus) - 7775  
Tobacco moth - *Ephesia elutella* (Hübner) - 6021  
Tomato hornworm - *Manduca quinquemaculata* (Haworth) - 7776  
Tomato pinworm - *Keiferia lycopersicella* (Walsingham) - 2047  
Triton dagger moth - *Acronicta tritona* (Hübner) - 9211  
Tropical meal moth - *Pyralis manihotalis* Guenée - 5515  
Tropical sod webworm - *Herpetogramma phaeopteralis* (Guenée) - 5274  
Tropical tobacco moth - *Setomorpha rutella* Zeller - 428  
Tufted apple budmoth - *Platynota idaeusalis* (Walker) - 3740  
Tuliptree borer - *Euzophera ostricolorella* Hulst - 5997  
Tupelo leafminer - *Antispila nysaeifoliella* Clemens - 234  
Umber moth - *Hypomecis umbrosaria* (Hübner) - 6439  
Unicorn caterpillar - *Schizura unicornis* (J. E. Smith) - 8007  
Vagabond crambus - *Agriphila vulgivaella* (Clemens) - 5403  
Vallisneria leafcutter - *Parapoynx obscuralis* (Grote) - 4760  
Variable oakleaf caterpillar - *Lochmaeus manteo* Doubleday - 7998  
Variegated cutworm - *Peridroma saucia* (Hübner) - 10915  
Velvetbean caterpillar - *Anticarsia gemmatilis* Hübner - 8574  
Verbena bud moth - *Endothenia hebesana* (Walker) - 2738  
Vine sphinx - *Eumorpha vitis* (Linnaeus) - 7864  
Virginia-creeper sphinx - *Darapsa myron* (Cramer) - 7885  
Virginia oakworm - *Anisota virginienis* (Drury) - 7723  
Walnut caterpillar - *Datana integerrima* Grote & Robinson - 7907  
Walnut shoot moth - *Acrobasis demotella* Grote - 5674  
Walnut sphinx - *Loathoe juglandis* (J. E. Smith) - 7827  
Walsingham's grass tubeworm - *Acrolophus propinquus* (Walsingham) - 374  
Waterlily leafcutter - *Synclita oblitalis* (Walker) - 4755  
Watermilfoil leafcutter - *Parapoynx allionealis* Walker - 4764  
Webbing clothes moth - *Tineola bisselliella* (Hummel) - 426  
Webbing coneworm - *Dioryctria disclusa* Heinrich - 5847  
White flannel moth - *Norape ovina* (Sepp) - 4650  
White spring moth - *Lomographa vestaliata* (Guenée) - 6667  
White waterlily leafcutter - *Parapoynx maculalis* (Clemens) - 4759  
White-lined sphinx - *Hyles lineata* (Fabricius) - 7894  
White-marked tussock moth - *Orgyia leucostigma* (J. E. Smith) - 8316  
White-tipped black - *Melanochroia chephise* (Cramer) - 6616  
Willow clearwing borer - *Synanthedon proxima* (H. Edwards) - 2572  
Willow looper - *Anacamptodes defectaria* (Guenée) - 6586  
Wrinkled flannel moth - *Lagoa crispata* (Packard) - 4644  
Yellow bear - *Spilosoma virginica* (Fabricius) - 8137  
Yellow-necked caterpillar - *Datana ministra* (Drury) - 7902  
Yellow-striped armyworm - *Spodoptera ornithogalli* (Guenée) - 9669  
Yellow-winged oak leafroller - *Argyrotaenia quercifoliana* (Fitch) - 3623

## BENEFICIAL LEPIDOPTERA IN FLORIDA

### BLASTOBASIDAE

1158    *Holcocera coccivorella* (Chambers)    Larvae feed on scale insects

### COSMOPTERIGIDAE

1467    *Euclemensia bassettella* (Clemens)    Larvae feed on scale insects

1512    *Pyroderces rileyi* (Walsingham)  
Pink scavenger caterpillar    Larvae feed on scale insects and debris

1513    *Pyroderces badia* (Hodges)  
Florida pink scavenger caterpillar    Larvae feed on scale insects and debris

### EPIPYROPIDAE

4701    *Fulgoraecia exigua* (H. Edwards)    Larvae parasitize planthoppers

### PYRALIDAE

4765    *Parapoynx diminutalis* Snellen    Accidentally introduced in 1975 (controls hydrilla)  
Asian hydrilla leafcutter

5149    *Niphograptia albiguttalis* (Warren)    Introduced in 1977 to control waterhyacinth  
Waterhyacinth moth    (formerly in the genus *Sameodes*)

5908.1    *Arcola malloi* (Pastrana)    Introduced in 1971 to control alligator weed  
Alligatorweed stem borer

5949    *Laetilia coccidivora* (J. H. Comstock)    Scale feeder

## STRAY LEPIDOPTERA IN FLORIDA

Species noted here have been recorded for Florida yet are not verified as being resident species in terms of breeding in Florida. They are listed in the main catalog (except rare strays marked with an asterisk \*), since they have been regularly collected over the years, as opposed to erroneous records of species not in Florida. The arrangement is by catalog number.

### OECOPHORIDAE

- 866 *Agonopterix eupatoriella* (Chambers)  
1028 *Menestomorpha oblongata* Walsingham

### GELECHIIDAE

- 1802 *Coleotechnites condiginella* (Busck)

### TORTRICIDAE

- 3751.1 *Auratonota dispersa* J. Brown

### HESPERIIDAE

- 3868 *Proteides mercurius sanantonio* (Lucas)  
3933 *Gorythion begga pyralina* (Möschler)  
\*4059 *Poanes hobomok* (Harris)  
\*4067 *Choranthus haitensis* (Skinner)  
4107 *Amblyscirtes belli* H. A. Freeman

### PAPILIONIDAE

- 4172 *Papilio andraemon bonhottei* E. M. Sharpe  
4175 *Papilio androgeus epidaucus* Godm. & Sal.

### PIERIDAE

- 4227 *Anteos maerula lacordairei* (Boisduval)  
4234 *Aphrissa orbis* (Poey)  
4239 *Eurema messalina blakei* (Marnard)  
4245 *Eurema boisduvaliana* (Felder & Felder)

### LYCAENIDAE

- 4325 *Callophrys irus arsace* (Boisduval & Leconte)  
4346 *Strymon limenia* (Hewitson)  
4351 *Electrostrymon sangala* (Hewitson)

### NYMPHALIDAE

- 4415 *Dryadula phaetusa* (Linnaeus)  
4439 *Hypolimnas misippus* (Linnaeus)  
4444 *Anartia chrysopelea* (Hübner)  
4450 *Speyeria cybele* (Fabricius)  
4542.1 *Hamadryas amphichloe diasia* (Fruhstorfer)  
4545 *Historis odius* (Fabricius)  
4549 *Marpesia chiron* (Fabricius)  
4551 *Marpesia eleuthea* Hübner

### LIMACODIDAE

- 4700.1 *Acharia extensa* (Schaus)

### PYRALIDAE

- 4769.1 *Neargyractis moniligeralis* (Lederer)  
4774 *Petrophila bifascialis* (Robinson)  
5108 *Lineodes interrupta* (Zeller)  
5157.1 *Maruca vitrata* (Fabricius)  
5560 *Salobrena rubiginea* (Hampson)  
5620 *Pococera euphemella* (Hulst)  
5902 *Ragonotia dotalis* (Hulst)

### THYRIDIDAE

- 6080 *Dysodia speculifera* (Sepp)

### PTEROPHORIDAE

- 6122 *Stenoptilodes brevipennis* (Zeller)

### GEOMETRIDAE

- 6352 *Semiothisa granitata* (Guenée)  
6602 *Epimecis anonaria* (R. Felder)  
6617 *Melanchroia geometroides* (Walker)  
6677 *Cabera erythemaria* Guenée  
6762 *Pero nerisaria* (Walker)  
6801 *Sphacelodes haitiaria* Oberthür  
6804 *Petrophora subaequaria* (Walker)  
6863 *Caripeta divisata* Walker  
6969 *Oxydia gueneei* (Warren)  
6970 *Oxydia nimbata* Guenée  
6972 *Oxydia masthala* Druce  
7070.1 *Eucrostes dominicaria* Guenée  
7178 *Leptostales oblinataria* Möschler  
7286 *Triphosa affirmata* (Guenée)  
7295 *Archirhoe neomexicana* (Hulst)  
7428 *Venusia comptaria* (Walker)

### URANIIDAE

- \*7658 *Urania fulgens* (Walker)

### SPHINGIDAE

- 7773 *Cocytius duponchel* (Poey)  
7782 *Manduca florestan* (Cramer)  
7809 *Sphinx kalmiae* J. E. Smith  
7833 *Erinnyis lassauxii* (Boisduval)  
7835 *Erinnyis oenotrus* (Cramer)  
7838 *Erinnyis domingonis* (Butler)  
7842 *Pachylioides resumens* (Walker)  
7844 *Callionima parce* (Fabricius)  
7852 *Enyo ocypete* (Linnaeus)

## ARCTIIDAE

- 8204 *Halysidota harrisii* Walsh  
 8256 *Pygarcia eglenensis* (Clemens)  
 8287 *Horama panthalon texana* (Grote)

10942.1 *Xestia dolosa* Franclemont10950 *Xestia bicarnea* (Guenée)

## LYMANTRIIDAE

- 8318 *Lymantria dispar* (Linnaeus)

## NOCTUIDAE

- 8327 *Idia forbesi* (French)  
 8330 *Idia scobialis* (Grote)  
 8356 *Chytolita petrealis* Grote  
 8374 *Bleptina minimalis* Barnes & McDunnough  
 8421 *Hypenodes fractilinea* (J. B. Smith)  
 8430 *Parahypenodes quadralis* Barnes & McD.  
 8477.2 *Mursa subrufa* (Warren)  
 8538 *Cecharismena cara* Möschler  
 8542 *Gonodonta incurva* (Sepp)  
 8542.1 *Gonodonta bidens* Geyer  
 8543 *Eudocima materna* (Linnaeus)  
 8548 *Anomis impasta* Guenée  
 8550 *Anomis texana* Riley  
 8570 *Eulepidotis metamorpha* Dyar  
 8572.1 *Eulepidotis striaepuncta* (Herrich-Schäffer)  
 8614 *Bulia deducta* (Morrison)  
 8644.1 *Elousa albicans* Walker  
 8646 *Latebraria amphipyroides* Guenée  
 8647 *Thysania zenobia* (Cramer)  
 8648 *Thysania agrippina* (Cramer)  
 8659 *Heteranassa mima* (Harvey)  
 8686 *Zale strigimacula* (Guenée)  
 8721.1 *Achaea ablunaris* (Guenée)  
 8722 *Ophisma tropicalis* Guenée  
 8738.1 *Focillidia grenadensis* Hampson  
 8754.1 *Ptichodis immunis* (Guenée)  
 8897 *Diachrysia balluca* Geyer  
 8999 *Cydosia aurivitta* Grote & Robinson  
 9001 *Cydosia curvinella* Guenée  
 9004 *Tripudia grapholithoides* (Möschler)  
 9203 *Acronicta dactylina* Grote  
 9212 *Acronicta grisea* Walker  
 9250 *Acronicta inclara* J. B. Smith  
 9341 *Apamea vultuosa* (Grote)  
 9472 *Papaipema harrisii* (Grote)  
 9630.1 *Callopistria jamaicensis* (Möschler)  
 9640 *Amphipyra glabella* (Morrison)  
 9703 *Condica hypocritica* (Dyar)  
 9712 *Draudtia morsa* (J. B. Smith)  
 9887 *Lithophane bethunei* (Grote & Robinson)  
 10038 *Catabena divisa* (Herrich-Schäffer)  
 10457.2 *Leucania inconspicua* Herrich-Schäffer  
 10662 *Agrotis apicalis* Herrich-Schäffer  
 10731 *Euxoa auxillaris* (Grote)  
 10732 *Euxoa inconcinna* (Harvey)  
 10805 *Euxoa tessellata* (Harris)  
 10908 *Euagrotis digna* (Morrison)

# ERRONEOUS FLORIDA LEPIDOPTERA RECORDS

Species noted with an asterisk (\*) are possible rare strays for Florida; other listings are clearly misidentified species in Florida or otherwise in error for Florida. Some of the erroneous records are due to mislabeled specimens, as already mentioned in the historical section for some specimens from Marco and Chokoloskee. Some do represent unique strays, possibly blown in to southern Florida by a hurricane. A few northern species may well have been transported to Florida by tourists visiting from northern states, possibly bringing them in as pupae, much the way most gypsy moths (*Lymantria dispar*) now enter the state. Notes on butterflies come mostly from the studies of Calhoun (1997b). Known ranges for each species are noted to the right of each name. Only noteworthy synonyms and notes are included for some names.

## GEOMETRIDAE

**Apolema carata** (Hulst, 1896)

- syn. of *Pseudopanthera ennomosaria* (Walker)

India

- misidentified from Cassadaga (Kimball, 1965)

**Xestia c-nigrum** (Linnaeus, 1758)

Europe

- misidentified for *X. dolosa* Franclemont, 1980 (10942.1)

## HESPERIIDAE

**Amblyscirtes celia** Skinner, 1895 (4106)

w.Tx.-Mex.

**Amblyscirtes texanae** Bell, 1927 (4097)

Tx.-Mex.

\***Choranthus radians** (Lucas, 1857) (4066)

Cuba/Bahamas

*streckeri* (Skinner, 1893)

\***Choranthus vitellius** (Fabricius, 1793)

P.R.-Virgin Is.

\***Erynnis icelus** (Scudder & Burgess, 1870) (3945)

ne. U.S.

**Erynnis persius** (Scudder, 1863) (3961)

ne. U.S.

**Euphyes bimacula** (Gr. & Rob., 1867) (4077)

e. N.Am.

**Euphyes conspicuus** (W. H. Edwards, 1863) (4075)

ne. U.S.

**Hesperia leonardus** Harris, 1862 (4023)

n. U.S.

**Hesperia metea** Scudder, 1864 (4027)

n. U.S.

**Hesperia sassacus** Harris, 1862 (4033)

ne. U.S.

**Hesperia uncas** W. H. Edwards, 1863 (4018)

w. U.S.

\***Panoquina hecebolus** (Scudder, 1872) (4120)

West Indies

*parilis* (Mabille, 1891)

**Panoquina nero** (Fabricius, 1798)

Hispaniola/P.R.

**Panoquina sylvicola** (Herrich-Schäffer, 1865) (4121)

W.I.-Arg.

**Poanes massasoit** (Scudder, 1864) (4058)

ne. U.S.

**Polites peckius** (Kirby, 1837) (4036)

n. N.Am.

\***Polygonus manueli** Bell & Comstock, 1948 (3873)

W.I.-Arg.

**Problema bulenta** (Bdv. & Lec., 1834) (4053)

e. U.S.

**Pyrrhocalles jamaicensis** (Schaus, 1902)

Jamaica

**Thespieus macareus** (Herrich-Schäffer, 1869) (4124)

Tx.-Mex.

*emacareus* (Plötz, 1882)

## LYCAENIDAE

**Callophrys augustus** (W. Kirby, 1837) (4322)

ne. U.S.

**Callophrys nelsoni** (Boisduval, 1869) (4315)

w. U.S.

**Chlorostymon telea** (Hewitson, 1868) (4272)

Tx-Bolivia

**Electrostymon endymion** (Fabricius, 1775)

Tx-Brazil

- misidentified for *E. sangala* (Hewitson, 1868) (4351)

**Eumaeus minijas** (Hübner, 1809) (4269)

Tx-S.Am.

*minyas* Hübner, [1819], emend.

*toxea* (Godart, [1824])

**Hemiargus isola** (Reakirt, 1866) (4360)

Ms-w. U.S.

**Leptotes marina** (Reakirt, 1868) (4357)

sw. U.S.-C.Am.

**Lycaena phlaeas americana** Harris, 1862 (4251)

ne. U.S.

**Philotes sonorensis** (Felder & Felder, 1865) (4365) sw. U.S.-Mex.

**Satyrrium edwardsii** (Grote & Robinson, 1869) (4281) ne. N.Am.

*fabricii* - (Kirby, 1871), misdet.

**Strymon rufofuscus** (Hewitson, 1877) (4338)

Tx-Arg.

## NOCTUIDAE

**Catocala badia** Grote & Robinson, 1866 (8777)

ne. U.S.

**Eurois occulta** (Linnaeus, 1758) (10929)

ne. U.S.

**Leucania commoides** Guenée, 1852 (10447)

ne. N. Am.

- misidentified for *L. phragmatidicola* Guenée (10444)

**Leucania multilinea** Walker, 1856 (10446)

ne. N. Am.

- misidentified for *L. infatuans* Franclemont (10457)

**Schinia espea** J. B. Smith, 1908 (11158)

S. Am.

- syn. of *Heliothis molochitina* Berg from South America

**Schinia roseitincta** (Harvey, 1875) (11092)

w. U.S.

## NOTODONTIDAE

**Rifargia distinguenda** (Walker, 1856) (7966)

W.I.-C.Am.

**Rifargia lineata** Druce, 1887 (7967)

C. Am.

## NYMPHALIDAE

**Anaea aidea** (Guérin-Ménéville, [1844]) (4552)

Tx-Honduras

**Anartia fatima** (Fabricius, 1793) (4445)

Tx-Panama

**Chlosyne gorgone** (Hübner, [1810]) (4489) e. U.S.-w. U.S./Mex.

- female type is *Phyciodes phaon* (4480)

\***Diathria clymena** (Cramer, 1776) (4535)

Tx-Brazil

**Enodia creola** (Skinner, 1897) (4568.2)

e. U.S.

- misidentified for *Enodia portlandia floralae* (4568b)

\***Euptoleta hegesia** (Cramer, 1780) (4448)

Tx-Arg./W.I.

**Greta diaphana** (Drury, 1773)

Jamaica/Hispaniola

**Greta polissena** (Hewitson, 1863)

Costa Rica-Brazil

**Hamadryas februa** (Hübner, [1823]) (4542)

Tx-Arg.

**Hamadryas fornax** (Hübner, [1823]) (4540)

Mex.-Bolivia

**Hamadryas glauconome** (Bates, 1864)

Mex.-Panama

**Hermeuptychia hermes** (Fabricius, 1775) (4574)

S.Am.

\***Historis acheronta** (Fabricius, 1775) (4546) Mex.-Brazil/W.I.

**Ithomia** sp.

C.Am.

**Janatella leucodesma** (Feld. & Feld., 1865) (4479) C.Am.-Venez.

*cineta* (W. H. Edwards, 1864)

\***Lycorea cleobaea demeter** Felder & Felder, 1865

W.I.

\***Marpesia zerynthia** Hübner, [1823]

Mex.-W.I.

**Mestra cana floridana** (Strecker, 1900) (4538a)

W.I.

- erroneously described from Florida

**Mestra amymone** (Ménétriés, 1857) (4537)

Tx-C.Am.

**Myscelia** sp.

Tx-S.Am.

**Nymphalis vaualbum j-album** (Boisduval & Leconte,

ne. U.S.

[1833]) (4430)

**Satyrodes eurydice** (Linnaeus, 1763) (4568.3)

ne. U.S.

**Speyeria diana** (Cramer, 1777) (4449)

se. U.S.

**Speyeria idalia** (Drury, 1773) (4452)

e. U.S.

## PAPILIONIDAE

**Battus devilliers** (Godart, [1824])

Cuba/Bahamas

**Eurytides celadon** (Lucas, 1852) (4184.1)

Cuba

\***Papilio thoas** Linnaeus, 1771 (4169)

Tx-Arg./W.I.

## PIERIDAE

**Anteos clorinde** (Godart, [1824]) (4226)

Tx-Arg./W.I.

**Eurema elathea** (Cramer, 1775)

C.Am.-Arg./W.I.

**Eurema proterpia** (Fabricius, 1775) (4236)

sw. U.S.-Peru/W.I.

\***Phoebis argante** (Fabricius, 1775) (4230)

Mex.-S.Am./W.I.

## PYRALIDAE

**Nomophila noctuella** ([Denis & Schiffermüller], 1775)

Europe

- misidentified for *N. nearctica* Munroe, 1973 (5156)

## TORTRICIDAE

**Argyrotaenia citrana** (Fernald, 1889) (3614)

Calif.

- misidentification for *A. ivana* (Fernald, 1901) (3621)

# TECHNIQUES FOR LEPIDOPTERA STUDIES

## FIELD TECHNIQUES

Lepidoptera studies offer innumerable opportunities to make new discoveries, especially in Florida. One can peruse the catalog to note how many species have no life history or no hostplant information known. Of the 2,941 resident species recorded for Florida in this catalog (not counting rare strays), 882 species, or a third of our fauna, are unknown as to their hostplant, and this includes 6 butterflies and 225 species of owlet moths (Noctuidae). Numbers of new species remain to be discovered, especially among the leafminers. Many forms of study do not require any specimens. For example, behavior studies can be done in the field without taking any specimens. Likewise, rearing of larvae can involve later release of numbers of adults. At least a few voucher specimens should be saved from any research project, however, to verify what species was involved, and these can be deposited in a museum if one does not wish to keep any.

Photography of Lepidoptera in the field is also a much needed activity, since one can often observe behavior that no one has recorded on film before. Video cameras now make this even more interesting as a field activity. Many enthusiasts now like to observe butterflies in the field using short-focusing binoculars and this can be an enjoyable activity; however, some of the skippers and most moths cannot be identified with certainty unless specimens are carefully examined close up.

Collections and rearings need to be accurately and properly labelled to have any lasting scientific value. Labels can now be easily made with a computer and printed in quantity onto 100% rag-content paper (available from supply houses or art shops). Typical specimen labels list the state, county, town or natural feature, date (use Roman numerals for months or use 3-letter codes for month, like Dec), and collector name; all this in the order noted. Any added biological data (e.g., habitat) can be added to a second label. GPS instruments can now also give accurate coordinates for any location, and even micro-bar code labels can be made.

For rearings, data must be accurately recorded in a notebook and specimens labelled to reference the notebook entry. The following login system has been found useful: e.g., JBH 99A15, 10 Jan 1999, em. 30 Mar 1999, ex *Magnolia grandiflora* — this refers to rearing lot 99A15 of JBH from January 10, or the 15th rearing lot of January (A) 1999, on the hostplant indicated, with adult emergence on March 30 (originally developed by Prof. J. A. Powell, University of California, Berkeley).

Lepidoptera are collected principally with an aerial net during the day and some type of light at night. The positive response to lights at night has always been a

boon to the collection of moths, particularly with use of modern UV lights. Some moths do not respond to lights and one generally must locate the cocoons or rear the larvae to obtain these species; this will be discussed further under rearing techniques. As with any group of insects, the more diverse habitats and local plant associations one investigates, the more species will be accumulated in a collection. Collections of specimens are needed for scientific studies and as voucher specimens for surveys. Photography and observation, however, may be sufficient in many cases. Without accurately labelled specimens for study, most of what is in this catalog, including all the names of the species, would have remained unknown.

Collections are needed for scientific study of Lepidoptera. Studies have been conducted to verify that due to the biologies of most Lepidoptera species, it is virtually not possible to extirpate local populations with normal recreational or scientific collecting of a few specimens for study. However, there have been cases of commercial-style collecting where too many specimens were taken. Most amateur sampling should be limited to only a few specimens at any one location in any one year, and female specimens should be taken less than males. The Lepidopterists' Society has formulated collecting guidelines that should be followed if specimens are taken: remember, Lepidoptera are living creatures, so only a minimal number of specimens should ever be taken from any one area.

There are species remaining in such localized areas and limited numbers that they have been placed under protection, and no one should disturb or collect any of these; permits can usually be obtained for any needed specimens for scientific study. In Florida, the only protected species is the Schaus swallowtail, *Papilio aristodemus ponceanus*, in Miami and the Keys. Parts of the Florida Keys have been placed under a special environmental protection and one should obtain information about it before any planned collecting there.

## DIURNAL COLLECTING

The traditional butterfly net is all that is needed to capture most butterflies and day-flying moths. It is the knowledge of localized distribution patterns, habitats, and hostplant preferences that allows particular species to be found that otherwise are rare except perhaps locally. Many species usually do not wander very far from preferred habitats and host plants. Most field guides and beginners books on insect collecting will show the collector how to use the aerial net in capturing diurnal Lepidoptera so the specimens do not escape from the net, how to stalk for specimens on flowers and hostplant leaves or other perches, the poison bottles to be used, and so forth. General sweeping should also be employed when an area shows no apparent activity,

since in this way many resting individuals or micro-moths may be found, as well as unseen larvae.

One particularly useful method of diurnal collecting not often used by Lepidoptera collectors involves the use of a Malaise flight trap. This type of trap is available or can be constructed in a variety of forms but principally comprises a large net erected as a wall to divert flying insects into one or two elevated containers with alcohol or a gaseous poison to collect the specimens. The traps operate due to the normal response of most insects to fly upward when encountering an obstruction or as a flight behavior. Of course, species that do not go upward will not be caught with these traps. Although initially designed for the collection of Hymenoptera and Diptera, these flight traps also collect a surprising number of Lepidoptera, particularly small moths. In most locations moths of the family Tineidae are particularly common in the trap samples from these traps. Of course, for Lepidoptera one normally collects the specimens dry rather than in alcohol, but a strong poison is needed to rapidly kill all the insects so the specimens are not damaged; usually cyanide is used in small plaster cells for each collecting chamber.

Certain diurnal moths can now also be captured through the development of pheromones. For example, clearwing moths (Sesiidae) usually respond very well to these pheromones. Only males are obtained in this way but the presence of the males of a species usually indicates a colony nearby and the female could possibly also be located with specific searches of nearby vegetation or known hostplants. Often, a pheromone-containing strip of material (usually rubber) is attached to an aerial net and the moths are netted as they respond to the pheromone; this method, however, involves periodic waiting at one site so the males can home in on the source of the pheromone. The collector must remain relatively motionless for some minutes so the moths are not frightened when approaching; it seems most sesiid males are very easily frightened of any movements. As a moth comes to the net, the collector must carefully and slowly get into position to capture it as it circles near the source of the pheromone. Small rectangular or pyramidal traps have been designed, however, that allow the pheromone strips to be set at various sites, and periodically checked for moths.

Various types of baits are used in tropical collecting of butterflies, often employing butterfly traps, and this can be tried in Florida as well. Baits are also a well-known method of collecting for moths at night, the so-called sugaring of trees using various beer and molasses mixtures painted on tree trunks.

Certain diurnal or crepuscular species (for example, some species of Saturniidae), can be collected in numbers if an unmated female can be captured or reared; the males will then respond to the female pheromone in the same way the Sesiidae are captured. This method is also used for nocturnal Saturniidae

during the flight times of these species.

## NOCTURNAL COLLECTING

Moths have been traditionally collected at lights from an upright sheet and this is still the preferred method of most amateurs. The only refinement now, as opposed to the pressure lanterns of many years ago, is the use of ultraviolet lights of various kinds, the so-called blacklights.

### 1. Sheet collecting

The most commonly used lights are 15-watt black-light tubes, sometimes along with a white light tube so the moths can be more easily seen on the sheet. The UV light should be the type emitting longer wave UV light rather than the eye damaging shortwave UV lights. Most mercury vapor lights can also be used very effectively and produce considerably more light, but MV lights are considerably more expensive, require a heavy ballast transformer (one type of bulb has a built-in ballast), and require a source of AC electricity, either a main line or from a generator. The fluorescent UV lights have the advantage of being very lightweight, relatively inexpensive, and can be operated from DC battery power sources, usually a 12 volt car battery, by the use of special 12 volt converters. The batteries are recharged every few days with a battery charger or a generator. Sheets can be of various sizes, usually supported from adjacent trees or with upright poles of some kind.

### 2. Trap collecting

More efficient and effective collections of moths can be made with light traps. Light traps are particularly necessary if many of the micro-moths are desired, since some are so tiny that they easily elude the collector at a light sheet. Various types of light traps have been designed in recent years. One of the most well-known light traps is the Robinson trap. This trap, however, utilizes a MV bulb and this requires a ballast and a source of 115 or 220 volt AC power. Modified light traps that have been particularly successful include one using 15-watt UV tubes, designed at the Smithsonian Institution, Washington, primarily for large volume catches in tropical locations. These traps have an enlarged base so a larger volume of moths can be trapped during a night of operation. Another design, developed at the Florida State Collection of Arthropods, involves the same light and trap top as the Smithsonian trap but employs a plastic bag as the trap container instead of a fixed box. Both traps are constructed of aluminum and are specially designed to break down into a flat package for ease of transport, particularly for air travel to remote locales. The FSCA trap is even more lightweight than the Smithsonian trap but is designed to be hung from a tree or other support rather than set on the ground as a box trap.

Particulars in the use of these traps include crushed newspapers or egg cartons in the container to provide



more surface area for moths to settle on so wings will not be damaged by later entrants. The box trap also uses a 1 cm. grid metal screen about midway in the box to keep very large moths and other large insects from damaging the smaller species. The FSCA trap uses a large plastic garbage bag, attached to the top funnel with four plastic clamps (sold as report binder spines), and a plastic tub or tray in the bottom of the bag to keep the bag spread out. Both types of traps require some kind of rain cover if rain is anticipated during the night.

The only problem with light traps for the amateur is the poison involved. Although, ethyl acetate can be used fairly successfully, the only poison thus far found to provide satisfactory results in most situations is cyanide. The key element in the success of these traps, particularly in obtaining good specimens of microlepidoptera, is the use of a very effective poison. Ethyl acetate usually is effective in traps but will not vaporize well in cool temperatures (some traps allow the electrical converter to be put on the trap in such a way that it warms the poison enough to produce gas). Use of the traps in tropical locations has often resulted in several inches of moths and other insects in the box container, yet even the microlepidoptera are invariably in perfect condition if everything has been done properly. Refrigeration can also be effective for traps if electric current is available: these traps use a small freezer as the receptacle, thereby freezing the moths that enter the trap without using any poisons.

The lights of light traps can also be attached to walk-in screen cages, which is an effective method of live collection to obtain females for egg laying or for selective collecting. Most museum expeditions find the killing light traps more efficient for field collections, primarily because usually all collected insects are saved for study in one way or another. Light sheet collecting does not allow the collection of all moths at the light due to the profusion of specimens and the inefficiency of handling each specimen. Likewise, the sheet method requires the presence of the collector for many hours or most of the night, whereas traps can be left unattended and several can be used.

Where the collector does not anticipate keeping most of a light trap catch, it is recommended that a poison trap not be used, and that either a live trap be used or a light sheet. Thus, most amateurs will want to restrict their collecting method to the light sheet. Light traps, however, can be set at various locations near a home base and serviced each day. In this way, even in areas with low moth populations a sizable sample can be obtained in a limited amount of time by the use of several traps.

## FIELD PREPARATION

Time permitting, the ideal situation allows spreading of specimen wings soon after capture. In most remote areas or where large volumes of specimens are ob-

tained, however, it is usually not possible to immediately spread specimens unless a number of helpers are available. In volume collecting, the usual procedure involves field pinning if possible and the use of envelopes for large specimens. Medium sized moths are pinned using regular insect pins and microlepidoptera can be field pinned using minuten pins; small plastic boxes are particularly useful for the micros and if feasible, the wings should be fluffed apart. Spreading of the wings of micros while fresh is even more desirable than for larger moths but they can be softened and spread later if need be, if carefully done, as with larger moths. Butterflies are usually placed in envelopes in the field unless retained in killing vials and spread the same day. Field pinning will often require having a large number of insect boxes on hand if one is in an area for several days, particularly if light traps are used. One box that has been found extremely useful and easy to use, especially in remote areas or where air travel is involved, is a lightweight 8x11.5 cardboard box of 1.75 inches depth sold commercially as gift boxes to retail stores. Fitted with polyethylene foam bottoms, these collapsible boxes provide the minimum size requirements for insect pins, are very lightweight and inexpensive.

Freezing of a fresh catch can be done in lieu of immediate pinning. Plastic containers are usually used, with the specimens layered therein between tissue or paper towel layers, sealed in the box and placed in a freezer. Once the containers are frozen, they may be thawed anytime and most specimens will be nearly as fresh as when first collected, allowing easy pinning and spreading of wings.

## REARING TECHNIQUES

For many species, rearing is the most successful method to obtain specimens or even may be the only method, especially for many leafminers and certain negatively phototropic species. Many entomology books have some discussion of rearing larvae, so only a summary of the main points is provided here. In rearing Lepidoptera one thing that is always useful is the recording of larval colors through sharp photographs of each instar and the preservation of one or more of each stage for future study (see Peterson, 1962, for details in the use of KAAD and alcohol for larval preservation). If preserved larvae are not desired by the collector, these kinds of samples would be welcome by most museums, and will add to our research base for each species.

### 1. Female egg-layers.

Great success is possible for rearing various species by collecting live females at a light sheet. Most females collected will be able to lay eggs and usually can be induced to do so in an appropriately sized container. In general, female Lepidoptera will lay eggs prior to death as a last-hope survival strategy, thus, the collector can

usually obtain the desired eggs. The difficulty arises in possibly not knowing the preferred hostplant of the species, in which case a variety of suitable plant leaves can be provided to first instar larvae upon hatching, depending on the genus and family of the Lepidoptera species and a guess as to the possible food plant. If the species has a recorded host, one merely provides the host leaves or plant material to emerging larvae. Use of artificially prepared food also is often successful when no suitable host can be found for the larvae.

## 2. Field collecting larvae for container rearing

Other than obtaining eggs from live females, the main method of rearing Lepidoptera is through the collecting of larvae, either singly as seen on hosts, in leaf mines, or through sweeping of vegetation, and then placing the larvae in appropriate containers. Various species, of course, are only found in specialized niches; e.g., underwater or aquatic plants (Pyralidae: Nymphulinae) or on detritus (Tineidae), etc. Basic collecting techniques for larvae are the same as for insects in general, so the more niches investigated the more species will be found.

Rearing containers can be of various sorts but it usually is useful to use a size appropriate for the size of the larva. Plastic bags are often used for numbers of larvae or for large species. All types of containers ideally should be serviced at least daily, so excess moisture and excrements can be removed and fresh food plants added.

Many field collected larvae will be found to be parasitized, which often does not become apparent until the last instar or the pupa. It is very useful for the accumulation of knowledge of the biologies of all species, if these parasites are also reared out, and preserved for study by specialists.

## 3. Hostplant Sampling

The final main method of obtaining larvae for rearing is the gathering of one or more host samples in bulk quantities, usually in large plastic bags, and allowing any insects present to seek escape or to become evident through feeding or droppings. Samples brought into the laboratory are usually first carefully searched for any larval presence, which specimens may then be segregated into separate containers, and the remaining mass sample is then retained in a large plastic bag or placed in some other container. Large paper containers such as gallon ice cream containers are useful in terms of excluding light from the sample, yet with a hole cut in the top or side with a glass vial fitted in to allow any emerging insects to seek escape by going toward a light source. Excess moisture needs to be carefully monitored with any bulk samples so the plant matter does not rapidly decay.

This method of obtaining and rearing Lepidoptera larvae is very successful when systematically done for various plants with no apparent larval damage, since in time Lepidoptera will be found and new host records are often the result.

# CURATION OF LEPIDOPTERA

Once specimens are pinned, most Lepidoptera should have the wings spread for easier later study. Fresh specimens are spread best, but relaxed specimens from a humid container can also be easily spread. Preparation techniques can be noted in most field guides (see Klots, 1951; Opler, 1992); see also the Lepidoptera collecting guidebook by Dickson (1976), published by the Amateur Entomologists' Society, in England.

Prepared specimens should be sorted to family and similar individuals as soon as possible to save future time in handling. The keys provided herein can be used to identify specimens to family, although many families can be recognized on sight after one gains some familiarity with the key characters of the most common families. Even if one cannot identify specimens to species, having a collection sorted to species by family can aid in their further study.

Collections need to be housed in tight boxes or special insect drawers. Most museums utilize glass-topped drawers since this allows easy viewing and ease of rearrangement when making additions to the collection. Large museums usually use small trays (called unit trays), typically one for each species, and arrange these in the drawers following the most up-to-date catalog. For large samples, species are segregated further with a unit tray for each state, making it easy to verify the range of a species or what states are represented in the collection. For example, the FSCA Lepidoptera collection is housed in nearly 8,000 drawers, plus a large number of boxes awaiting more drawers, for its 1.8 million specimen collection. Drawers are typically housed in cabinets, preferably dust-proof so the specimens are well protected.

Due to the relatively high cost of insect drawers, most amateurs use wooden boxes for their collection. Tight wooden boxes are preferred, since cardboard boxes provide easy access to pests that can quickly ruin a collection. A fumigant is needed in each box, which also needs to be replaced periodically. In Florida special care must be taken to house collections due to the humid climate and the prevalence of museum pests such as book lice (Psocoptera). Moth flakes (naphthalene) will deter book lice and dermestid beetles from entering boxes, but may not keep them out entirely. Freezing an infested box for 48 hours is a safe method to kill book lice. Collections need to be housed in a dry room, with less than 65% humidity.

(Compositae), both from Australia, have been devastating to the ecology of the Everglades since their escape into the wild. Numerous other exotic species are backyard horticulture plants which can escape in south Florida and the Keys, but most are not as aggressive as Australian pine and melaleuca.

Lepidoptera examples are mostly pest species and include such well-known species as the cabbage butterfly *Pieris rapae* (Pieridae) [introd. from Europe], the clothes moth *Tinea pellionella* (Tineidae) [introd. from Europe], the banana moth *Opogona sacchari* (Tineidae) [introd. from West Africa], the citrus leafminer *Phyllocnistis citrella* [introd. from southeast Asia or West Africa], the codling moth *Cydia pomonella* (Tortricidae) [introd. from Europe], the cactus moth *Cactoblastis cactorum* (Pylalidae) [introd. from Argentina], and the diamondback moth *Plutella xylostella* (Plutellidae) [intro. from Europe].

The silkworm (*Bombyx mori* (Linnaeus), Bombycidae) was imported to Virginia in the 1600s for silk culture. It is listed in the catalog for reference, but is a domesticated species found only in culture, originally from China. It is not known if silk production was attempted in Florida by the Spanish in early years, although unlikely due to the lack of any records about it, but under British occupation an unsuccessful project was attempted by European settlers at New Smyrna, in 1768. However, some silk production continued sporadically even up to the Civil War, but then declined. Jaeger (1859), noting Federal reports on silk production in various states, showed Florida producing 124 pounds of silk in 1840 but only 6 pounds in 1850. Some states had considerably more silk production (e.g., Connecticut produced over 17,000 pounds of silk in 1840), but diseases both of the silkworms and of the mulberry trees they fed on, as well as the economics of silk production and sale, brought a steady decline of silk production in the United States. It is not now raised commercially in Florida.

To help keep out unwanted exotics, Florida has one of the most extensive inspection systems on agricultural and horticultural imports of any state in the United States. Yet, unwanted exotics still become established in Florida: the most recent among Lepidoptera is the citrus leafminer (*Phyllocnistis citrella*), established in 1993.

Exotic species of Lepidoptera known to occur in Florida are numerous (see below). Most have been accidental introductions or adventive from the West Indies. Numerous species range from the West Indies to southern Florida. Most eastern North American introductions came into Florida first with the early Spanish settlers. The first large contingent of European settlers to Florida and to the United States — with the explorer Menéndez to found St. Augustine in 1565 with over 500 settlers — certainly brought along a large fauna of European household, stored products, and garden pests, thus most of these are dated 1565 in the listing, although the exact date of introduction is not known. Later introductions of some of these European species, to Virginia and New England, were probably separate introductions when British settlers arrived there in 1607 and 1620, respectively.

Two species have been intentionally introduced to control exotic weed pests: *Arcola malloi* (Pylalidae), to control alligatorweed, and *Niphograptia albiguttalis* (Pylalidae), to control water hyacinth. Another beneficial exotic, *Parapoynx diminutalis* (Pylalidae), helps control hydrilla, but was accidentally released in 1975 before final release authority had been provided.

# CLASSIFICATION OF LEPIDOPTERA

The classification adopted herein follows the recent treatment by Heppner (1998) as much as possible, and this can be noted in the following list of families, but since the MONA catalog numbers are still the most convenient way to index the species for hostplants, the present catalog follows the MONA catalog arrangement in most cases. The family listing (Heppner, 1998) can be used for arranging families in a more modern arrangement than the 1983 MONA catalog. A few groups and families have been moved to their proper superfamily position in any case, and where it will not be too disruptive of the MONA catalog number sequence. Any numbers that cannot be located should be easily located by higher grouping in the Table of Contents, where MONA numbers are also noted for each family, or by checking the page citation for a genus in the generic catalog.

Classification is dependent on morphology, so below is a summary of Lepidoptera morphology.

## LEPIDOPTERA MORPHOLOGY

The morphology of Lepidoptera can be studied in most entomology textbooks. In this section, there are merely a set of illustrations on the following two pages (Fig. 52-66), noting the main characters that are often mentioned in the keys, and which one should become familiar with for the study of Lepidoptera. It is beyond the scope of the present work to go into great detail about all the morphological features of Lepidoptera. For more information, see the new Lepidoptera handbook by Kristensen *et al.* (1999); or the work of Eaton (1988), using the tobacco hornworm (Sphingidae) as a model.

### MAJOR TERMS (see Fig. 52-66)

|                    |   |
|--------------------|---|
| abdomen            | posterior part of body                        |
| adfrontal          | head region of larva                          |
| aedeagus           | male genital structure                        |
| anal veins         | wing veins near inner margin                  |
| antenna            | sensory appendage on head                     |
| antrum             | female genital structure                      |
| apex               | tip of wing                                   |
| apophysis          | female genital structure                      |
| bipectinate        | antennal type with 2 projections per segment  |
| chaetosema         | sensory structure of setae near eyes          |
| chorda             | accessory forewing cell in radial sector      |
| corpus bursa       | female genital structure                      |
| costa              | costal margin of wing                         |
| coxa               | basal segment of leg                          |
| cremaster          | pupal structure of terminal setae or spines   |
| crochets           | ventral hooked spines of lepidopteran prolegs |
| cubitus            | wing vein between anal and median veins       |
| discal cell        | midwing cell                                  |
| double bipectinate | antennal type with 4 projections per segment  |
| ductus bursa       | female genital structure                      |
| ductus seminalis   | female genital structure                      |
| epiphysis          | claw-like structure on foreleg                |
| eye                | compound eye of adults                        |

|                |  |
|----------------|--|
| eye cap        | enlarged pecten of dense scales on scape     |
| femur          | basal larger segment of leg                  |
| foreleg        | front leg                                    |
| forewing       | front wing                                   |
| frons          | front of head                                |
| gnathus        | male genital structure                       |
| haustellum     | lepidopteran tongue (= proboscis)            |
| head           | head   |
| hindleg        | posterior leg                                |
| hindwing       | posterior wing                               |
| humeral        | basal angle of hindwing                      |
| juxta          | male genital structure                       |
| laminate       | antennal type with serrated segments         |
| labial palpus  | large palp next to haustellum                |
| mandible       | larval mouthpart                             |
| maxilla        | small palps next to haustellum base          |
| median vein    | wing veins from discal cell                  |
| mesothorax     | middle section of thorax                     |
| metathorax     | posterior section of thorax                  |
| midleg         | middle leg                                   |
| ocellus        | visual organ near eyes                       |
| occiput        | back of head                                 |
| ostium bursa   | female genital structure                     |
| ovipositor     | female genital structure                     |
| papilla analis | female genital structure                     |
| patagium       | neck sclerite                                |
| pecten         | setae at base of antenna                     |
| pedicel        | base of antenna (segment 2)                  |
| pilifer        | structure near palps                         |
| prismatic      | antennal type with laminate segments         |
| proboscis      | feeding tube (= haustellum)                  |
| proleg         | larval abdominal leg                         |
| prothorax      | first thoracic segment                       |
| pterostigma    | wing vein enlargement of radius              |
| radius         | wing vein sector near costal margin          |
| sacculus       | male genital structure                       |
| scales         | modified wing and body setae                 |
| scape          | basal segment of antenna                     |
| scolus         | larval structure of enlarged seta            |
| shaft          | main structure of antenna                    |
| signum         | female genital structure                     |
| socius         | male genital structure                       |
| stemmata       | larval ocelli                                |
| stigma         | larval eyes (= ocellus of larva)             |
| tarsus         | tarsal claws of leg                          |
| tegula         | shoulder structures                          |
| tegumen        | male genital structure                       |
| termen         | distal wing margin                           |
| tibia          | distal large segment of leg                  |
| tibial spurs   | spines on tibia of mid- and hindlegs         |
| tongue         | lepidopteran haustellum                      |
| tornus         | angle of termen to inner wing margin         |
| transtilla     | male genital structure                       |
| trochanter     | connecting segment of leg from coxa to femur |
| uncus          | male genital structure                       |
| unipectinate   | antenna with single segmental projections    |
| valva          | male genital structure                       |
| verruca        | larval setal structure of many setae         |
| vertex         | top of head                                  |
| vinculum       | male genital structure                       |

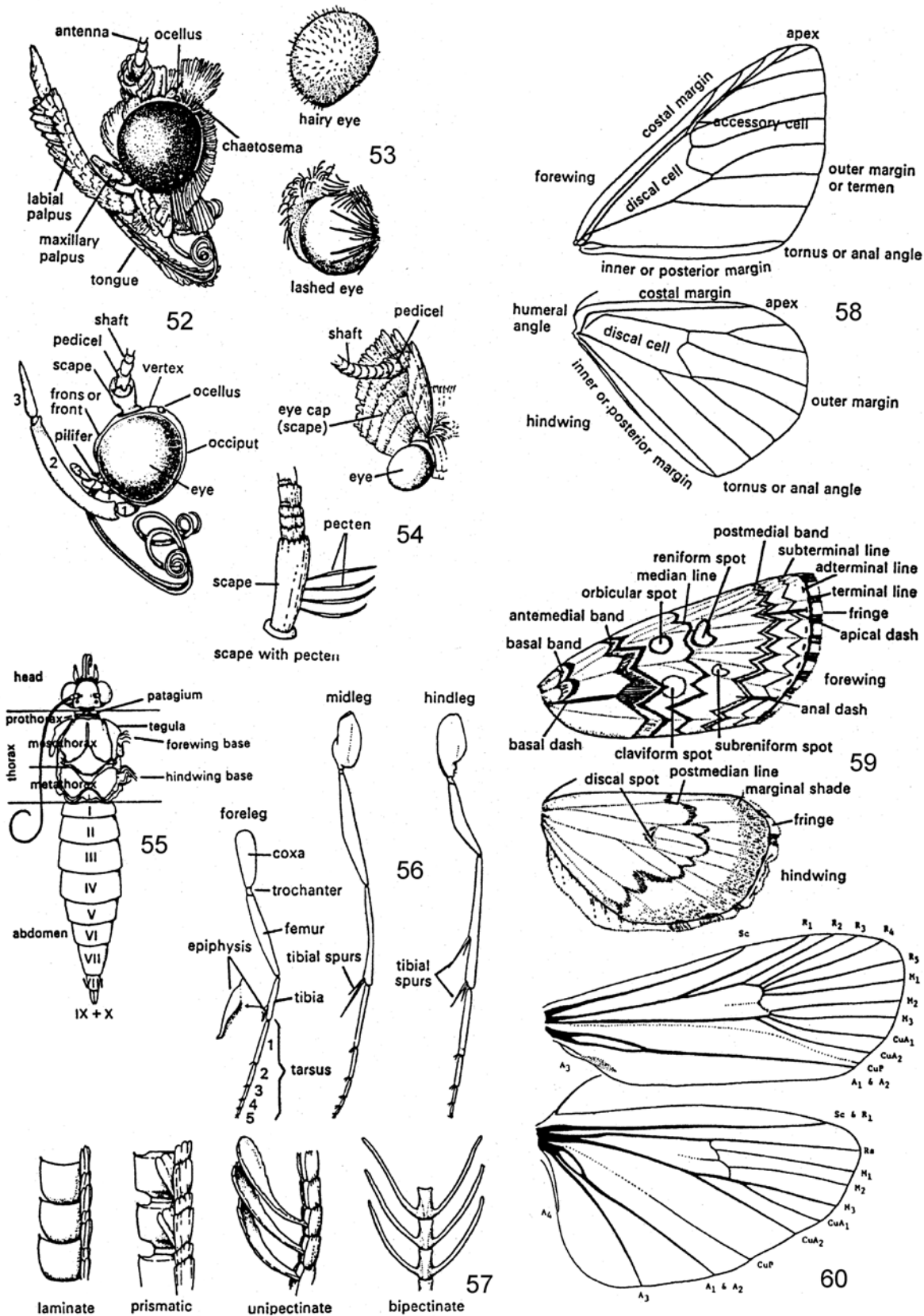


Fig. 52-60. Morphological features of Lepidoptera: 52) Head morphology. 53) Eye features (a, hairy eyes; b, lashed eye). 54) Head and antennal morphology, with closeup showing antennal base with scape. 55) Body morphology. 56) Legs. 57) Antennal types. 58) Wing morphology. 59) Wing maculation terms. 60) Wing venation terms. Figures are after Hodges (1971), except Fig. 56 is after Ehrlich (1960) and Fig. 60 is after Heppner (1981).

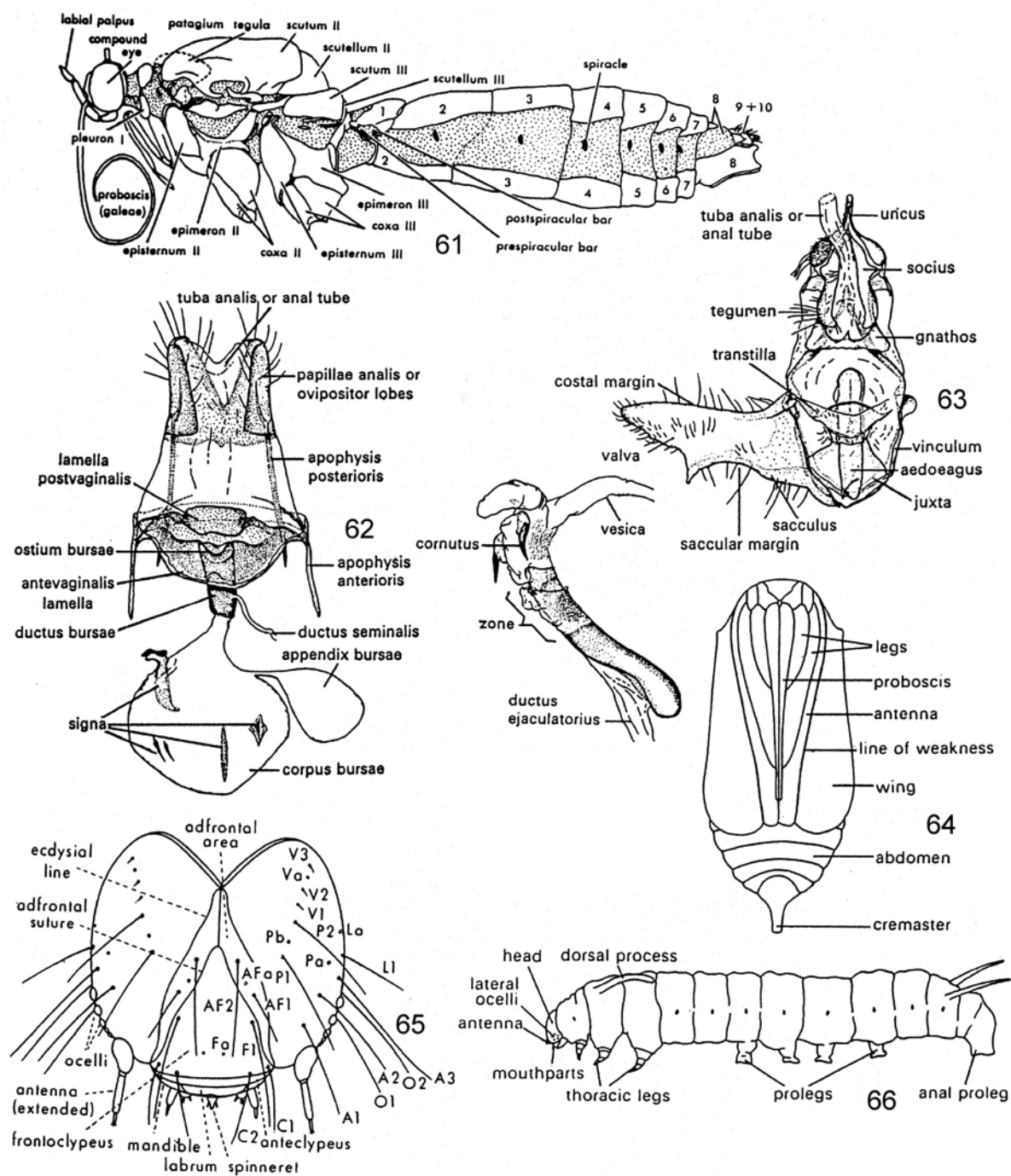


Fig. 61-66. Morphological features of Lepidoptera: 61) Body morphology. 62) Female genitalia. 63) Male genitalia; aedeagus below left. 64) Pupal morphology. 65) Larval head morphology (larval "ocelli" are now termed stemmata). 66) Larval body morphology. Figures are after Hodges (1971), except Fig. 61 is after Ehrlich (1960), Fig. 65 is after Common (1970), Fig. 64 and 66 are after Urquhart (1960).

## FAMILIES OF LEPIDOPTERA

The family classification of Lepidoptera has varied considerably over the years since Linnaeus had only 3 world-wide genera of Lepidoptera. Even in the last 20 years there have been many changes, both in family numbers and their placement within various superfamilies. Currently, the family classification for Lepidoptera is nearing some stability, with 125 families worldwide. However, there remain several exotic families for which nothing is known biologically, so more changes can still be expected as more knowledge is obtained on these and other tropical groups. In recent years there have also been some additions of exotic families due to discovery of odd species, mostly in tropical regions: some of these are new families while others have been placed as subfamilies in the present classification. One exotic family (Andesianidae) was added in 2003.

The family classification (p. 71) is from Heppner (1998), with slight modification, and lists all families known from the entire world, since this offers a better perspective on the order Lepidoptera than lists that do not show the tropical diversity: those families found in Florida are highlighted. The family keys are taken from my earlier work (Heppner, 1998) and include all families, which will allow identification of unknown species that may be introduced into Florida.

Families that have been shifted since the MONA catalog include the new families Attevidae (in Yponomeutoidea), Lacturidae (in Zygaenoidea), and Urodidae (in Sesiioidea). Also, new information in recent years has required the transfer of Lyonetiidae to Yponomeutoidea (from Tineoidea), and Douglassiidae to Tineoidea (from Yponomeutoidea; not in Florida). Glyphipterigidae are now considered primitive Yponomeutoidea and are not placed in Copromorphoidea anymore, following the addition of a primitive European species now in the sedge moth family. Gelechioidea have been considerably rearranged, although the MONA sequence is still followed in the catalog herein. Recent new works have altered Gelechioidea even more (see Hodges, 1999), but the extreme splitting and odd pairings of groups is based on only one version of a cladology (not classification), with subjective decisions on what a family limit should be, and will probably not be followed until more studies can verify this. Likewise, Pyralidae have in recent years been split into Crambidae and Pyralidae (reverting to something already considered over 100 years ago), but this split has not generally been accepted: in the family list the two groupings are segregated as series under the family name Pyralidae. The subfamilies of Pyralidae have also been rearranged in the family list (p. 72) to reflect current views, but are maintained in the 1983 sequence in the catalog so the species numbers can be more easily found.

Other changes include the placement of Tortricidae at the end of the microlepidoptera, just before Uranioidae

and Geometroidea. Butterflies are combined as Papilionoidea, without the segregation of skippers as a separate superfamily: this treatment has gone back and forth continually for the last 80 years and is still not settled among all specialists, but in the context of all Lepidoptera families one finds that the differences in skippers are not so great that they require their own superfamily. The Noctuidae subfamilies have been greatly changed in recent years and are still undergoing changes, and again the family list shows these changes, but the catalog follows the 1983 MONA numbers so species can more easily be located in the catalog.

Both Noctuidae and Geometridae are still in considerable flux at the subfamily and tribal level (although Geometridae subfamilies are fairly stable now), since in different faunal regions of the world specialists are using different classifications: this is especially true between what groupings we use in North America and the profusion of tribes and subfamilies used in Europe. Again, this is largely a case of extreme splitting whereby subtribes are elevated to tribal level in Europe to a great degree. Future studies should get a world consensus eventually on what level various groups should be maintained in these families.

Other classifications are favored by various workers (e.g., Kristensen *et al.*, 1999), but the tendency for pedantic reliance on varying cladistic analyses, which themselves are dependent on one or another computer program, has resulted in extreme splitting of groups in recent years. The tendency has been to split any odd group as a family or superfamily, rather than alter current family definitions to accommodate these newly defined (or discovered) groups. Future studies will better evaluate whether it is useful to accommodate such groups in the established families or if their elevation as separate families (or superfamilies) is warranted when studied in relation to all families. All too often, various researchers have formed new "families" or elevated their favorite groups (e.g., subtribe to tribe, tribe to subfamily, etc.) based on a restricted knowledge of world diversity within and between groups. For example, the subfamilies of Nymphalidae butterflies each have distinct characters whereby most have been elevated to their own family, but they are not sufficiently different from each other to be separate families, and even less so when compared to the diverse subfamilies of such moth families as Oecophoridae. The classification used herein (Heppner, 1998) is, I believe, a more reasonable view of the actual lepidopteran diversity and family relationships in relation to all Lepidoptera groups worldwide.

Common names of families are from Heppner (1998), with some updating. Note that family numbers are increased by one from the 1998 listing (after the addition of Andesianidae as family 14), giving us 125 families of Lepidoptera.

## LEPIDOPTERA

### Suborder ZEUGLOPTERA

#### MICROPTERIGOIDEA

1. MICROPTERIGIDAE - Mandibulate Archaic Moths

### Suborder AGLOSSATA

#### AGATHIPHAGOIDEA

2. AGATHIPHAGIDAE - Kauri Moths

### Suborder HETEROBATHMIINA

#### HETEROBATHMIOIDEA

3. HETEROBATHMIIDAE - Valdivian Archaic Moths

### Suborder GLOSSATA

#### Cohort DACNONYPHA

#### Infraorder DACNONYPHA

#### ERIOCRANIOIDEA

4. ERIOCRANIIDAE - Sparkling Archaic Sun Moths  
5. ACANTHOPTEROCTETIDAE - Archaic Sun Moths  
    Acanthopteroctetinae  
    Catapteriginae

### Infraorder LOPHOCORONINA

#### LOPHOCORONOIDEA

6. LOPHOCORONIDAE - Australian Archaic Sun Moths

### Cohort MYOGLOSSATA

#### Subcohort MYOGLOSSATA

#### Infraorder NEOPSEUSTINA

#### NEOPSEUSTOIDEA

7. NEOPSEUSTIDAE - Archaic Bell Moths

### Subcohort NEOLEPIDOPTERA

#### Infraorder EXOPORIA

#### MNESARCHAEOIDEA

8. MNESARCHAEIDAE - New Zealand Primitive Moths

#### HEPIALOIDEA

9. NEOTHEORIDAE - Amazonian Primitive Ghost Moths  
10. ANOMOSETIDAE - Australian Primitive Ghost Moths  
11. PROTOTHEORIDAE - African Primitive Ghost Moths  
12. HEPIALIDAE - Ghost Moths  
13. PALAEOSSETIDAE - Miniature Ghost Moths

### Infraorder HETERONEURA

#### Division MONOTRYZIA

#### Section NEPTICULINA

#### ANDESIANOIDEA

14. ANDESIANIDAE - Valdivian Forest Moths

#### NEPTICULOIDEA

15. NEPTICULIDAE - Pygmy Moths  
    Pectinivalvinae

#### Nepticulinae

### 16. OPOSTEGIDAE - Eye-Cap Moths

#### TISCHERIOIDEA

### 17. TISCHERIIDAE - Trumpet Leafminer Moths

#### PALAEPHATOIDEA

18. PALAEPHATIDAE - Gondwanaland Moths

### Section INCURVARIINA

#### INCURVARIOIDEA

19. INCURVARIIDAE - Leafcutter Moths  
    Incurvariinae  
    Crimopteryginae  
20. CECIDOSIDAE - Gall Moths  
21. PRODOXIDAE - Yucca Moths  
    Lamproniinae  
    Prodoxinae  
22. ADELIDAE - Longhorned Fairy Moths  
    Nematopogoninae  
    Adelinae  
23. HELIOZELIDAE - Shield Bearer Moths

### Division DITRYZIA

#### Section TINEINA

#### Subsection TINEINA

#### TINEOIDEA

##### Series Tineiformes

### 24. ACROLOPHIDAE - Tube Moths

- Amydriinae  
Acrolophinae

### 25. TINEIDAE - Fungus Moths

- Nemapogoninae  
Scardiinae  
Euplocaminae  
Tinissinae  
Meessiinae  
Teichobiinae  
Dryadulinae  
Setomorphinae  
Phthoropoeinae  
Harmacloninae  
Myrmecozelinae  
Siloscinae  
Tineinae  
Erechthiinae  
Hieroxestinae

### 26. ERIOCOTTIDAE - Old World Spiny-Winged Moths

- Eriocottinae  
Compsocteninae

### 27. PSYCHIDAE - Bagworm Moths

- Penestoglossinae  
Lypusinae  
Taleporiinae  
Psychinae  
Oiketinae

### 28. ARRHENOPHANIDAE - Tropical Lattice Moths

##### Series Gracillariiformes

29. AMPHITHERIDAE - Double-Eye Moths  
30. SCHRECKENSTEINIIDAE - Bristle-Legged Moths  
31. DOUGLASIIDAE - Douglas Moths  
32. BUCCULATRICIDAE - Ribbed-Cocoon Maker Moths  
33. GRACILLARIIDAE - Leafminer Moths  
    Gracillariinae  
    Lithocolletinae  
    Phyllocnistinae



**GELECHIOIDEA****34. OECOPHORIDAE - Concealer Moths**

Depressariinae  
Ethmiinae  
Peleopodinae  
Autostichinae  
Xyloryctinae  
Stenommatinae  
Oecophorinae  
Hypertrophinae  
Physoptilinae  
Chimabachinae  
Deuterogoniinae

**35. LECITHOCERIDAE - Tropical Longhorned Moths**

Ceuthomadarinae  
Oditinae  
Lecithocerinae  
Torodorinae

**36. ELACHISTIDAE - Grass Miner Moths**

Coelopoetinae  
Elachistinae

**37. PTEROLONCHIDAE - Lance-Wing Moths****38. GELECHIIDAE - Twirler Moths**

Gelechiinae  
Pexicopiinae  
Dichomeridinae

**39. BLASTOBASIDAE - Scavenger Moths**

Holcocerinae  
Blastobasinae

**40. COLEOPHORIDAE - Casebearer Moths**

Coleophorinae  
Batrachedrinae

**41. MOMPHIDAE - Mompha Moths****42. AGONOXENIDAE - Palm Moths**

Agonoxeninae  
Blastodacninae

**43. COSMOPTERIGIDAE - Cosmet Moths**

Antequerinae  
Cosmopteriginae  
Chrysospeleinae

**44. SCYTHRIDIDAE - Flower Moths****COPROMORPHOIDEA****45. COPROMORPHIDAE - Tropical Fruitworm Moths****46. ALUCITIDAE - Many-Plumed Moths****47. CARPOSINIDAE - Fruitworm Moths****48. EPERMENIIDAE - Fringe-Tufted Moths**

Epermeniinae  
Ochromolopinae

**YPONOMEUTOIDEA****49. OCHSENHEIMERIIDAE - Cereal Stem Moths****50. GLYPHIPTERIGIDAE - Sedge Moths**

Orthoteliinae  
Glyphipteriginae

**51. PLUTELLIDAE - Diamondback Moths**

Ypsolophinae  
Plutellinae  
Scythropiinae  
Praydinae

**52. ATTEVIDAE - Tropical Ermine Moths****53. YPONOMEUTIDAE - Ermine Moths**

Saridoscelinae  
Yponomeutinae  
Cedestinae

**54. ARGYRESTHIDAE - Shiny Head-Standing Moths****55. LYONETIIDAE - Lyonet Moths**

Cemiostominae  
Lyonetiinae

Bedelliinae

**56. ACROLEPIIDAE - False Diamondback Moths****57. HELIODINIDAE - Sun Moths****IMMOIDEA****58. IMMIDAE - Imma Moths****PYRALOIDEA****59. HYBLAEIDAE - Teak Moths****60. THYRIDIDAE - Picture-Winged Leaf Moths**

Simaethistinae  
Whalleyaninae  
Argyrotypinae  
Thyridinae  
Siculodinae  
Striglininae

**61. PYRALIDAE - Snout Moths**

Group Crambina  
Crambinae  
Schoenobiinae  
Cybalomiinae  
Linostinae  
Scopariinae  
Musotiminae  
Midilinae  
Nymphulinae  
Noordinae  
Odontiinae  
Wurthiinae  
Evergestinae  
Glaphyriinae  
Pyraustinae  
Spilomelinae

Group Pyralina  
Pyralinae  
Chrysauginae  
Galleriinae  
Epipaschiinae  
Phycitinae

**PTEROPHOROIDEA****62. TINEODIDAE - False Plume Moths****63. OXYCHIROTIDAE - Tropical Plume Moths****64. PTEROPHORIDAE - Plume Moths**

Macropiratininae  
Agdistinae  
Ochyroticinae  
Deuterocopininae  
Pterophorinae

**Subsection SESIINA****SESIOIDEA****65. BRACHODIDAE - Little Bear Moths**

Pseudocossinae  
Brachodinae  
Phycodinae

**66. SESIIDAE - Clearwing Moths**

Tinthiinae  
Paranthreninae  
Sesiinae

**67. URODIDAE - False Burnet Moths**

Galacticinae  
Urodinae

**68. CHOREUTIDAE - Metalmark Moths**

Millieriinae  
Brenthiinae  
Choreutinae

**ZYGAENOIDEA**

69. HETEROGYNIDAE - Mediterranean Burnet Moths

**70. ZYGAENIDAE - Burnet Moths**

Zygaeninae  
 Phaudinae  
 Charideinae  
 Chalcosiinae  
 Anomoeotinae  
 Callizygaeninae  
 Procridinae

71. HIMANTOPTERIDAE - Long-Tailed Burnet Moths

**72. LACTURIDAE - Tropical Burnet Moths**

73. SOMABRACHYIDAE - Mediterranean Flannel Moths

**74. MEGALOPYGIDAE - Flannel Moths**

Aidinae  
 Megalopyginae  
 Trosiinae

**Section COSSINA**  
**Subsection COSSINA**

**COSSOIDEA****Series Cossiformes****75. COSSIDAE - Carpenterworm Moths**

Chilecomadiinae  
 Hypoptinae  
 Cossulinae  
 Cossinae  
 Zeuzerinae

76. DUDGEONEIDAE - Dudgeon Carpenterworm Moths

77. METARBELIDAE - Tropical Carpenterworm Moths

**Series Limacodiformes**

78. CYCLOTORNIDAE - Australian Parasite Moths

**79. EPIPYROPIDAE - Planthopper Parasite Moths**

Epipyropinae  
 Heteropsychinae

80. DALCERIDAE - Tropical Slug Caterpillar Moths

Acraginae  
 Dalceraeinae

**81. LIMACODIDAE - Slug Caterpillar Moths**

82. CHRYSOPOLOMIDAE - African Slug Caterpillar Moths

Ectropinae  
 Chrysopolominae

**CASTNIOIDEA**

83. CASTNIIDAE - Giant Butterfly Moths

Synemoninae  
 Neocastniinae  
 Castniinae

**TORTRICOIDEA****84. TORTRICIDAE - Leafroller Moths**

Tortricinae  
 Chlidanotinae  
 Olethreutinae

**Subsection BOMBYCINA****CALLIDULOIDEA**

85. RATARDIDAE - Oriental Parnassian Moths

86. PTEROTHYSANIDAE - Parnassian Moths

Pterothysaninae  
 Hibridinae

87. CALLIDULIDAE - Old World Butterfly Moths

Griveaudiinae  
 Callidulinae

**URANIOIDEA**

88. EPICOPEIIDAE - Oriental Swallowtail Moths

Schistomitriinae  
 Epicopeiinae

89. APOPROGONIDAE - African Skipper Moths

90. SEMATURIDAE - American Swallowtail Moths

91. URANIIDAE - Swallowtail Moths

Uraniinae  
 Microniinae

**92. EPIPLEMIDAE - Crenulate Moths****GEOMETROIDEA****93. GEOMETRIDAE - Geometer Moths**

Archiearinae  
 Oenochrominae  
 Orthostixinae  
 Ennominae  
 Desmobathrinae  
 Geometrinae  
 Sterrhinae  
 Larentiinae

94. HEDYLIDAE - American Butterfly Moths

**PAPILIONOIDEA****Series Hesperiiiformes****95. HESPERIIDAE - Skipper Butterflies**

Megathyminae  
 Coeliadinae  
 Pyrrhopyginae  
 Pyrginae  
 Trapezitinae  
 Heteropterinae  
 Hesperinae

**Series Papilioniformes****96. PAPILIONIDAE - Swallowtail Butterflies**

Baroniinae  
 Parnassiinae  
 Papilioninae

**97. PIERIDAE - Yellow-White Butterflies**

Pseudopontiinae  
 Dismorphiinae  
 Pierinae  
 Coliadinae

**98. LYCAENIDAE - Gossamer-Winged Butterflies**

Lipteninae  
 Poritiinae  
 Liphyrinae  
 Miletinae  
 Curetinae  
 Lycaeninae  
 Theclinae  
 Polyommatainae

**99. RIODINIDAE - Metalmark Butterflies**

Styginae  
 Hamearinae  
 Euselasiinae  
 Corrachiinae  
 Riodininae

**100. LIBYTHEIDAE - Snout Butterflies****101. NYMPHALIDAE - Brush-Footed Butterflies**

Group Nymphaliniinae  
 Tellervinae  
 Danainae  
 Ithomiinae  
 Acraeinae  
 Heliconiinae  
 Nymphalinae  
 Group Satyriniinae  
 Calinaginae

Apaturinae  
Amathusiinae  
Morphinae  
Brassolinae  
Satyrinae

**DREPANOIDEA**

102. AXIIDAE - Gold Moths

**103. THYATIRIDAE - False Owlet Moths**

Thyatirinae  
Polyplocinae

104. CYCLIDIIDAE - Giant Hooktip Moths

**105. DREPANIDAE - Hooktip Moths**

Drepaninae  
Oretinae  
Nidarinae

**BOMBYCOIDEA****Series Bombyciformes**

106. CARTHAEIDAE - Australian Silkworm Moths

107. EUPTEROTIDAE - Giant Lappet Moths

Janinae  
Eupterotinae  
Panacelinae

**108. APATELODIDAE - American Silkworm Moths**

Apatelodinae  
Epiinae  
Phiditiinae

109. BOMBYCIDAE - Silkworm Moths

Bombycinae  
Prismostictinae

**110. MIMALLONIDAE - Sackbearer Moths**

111. ANTHELIDAE - Australian Lappet Moths

Munychryiinae  
Anthelinae

**112. LASIOCAMPIDAE - Lappet Moths**

Chondrosteginae  
Chionopsychinae  
Archaeopachinae  
Gonometinae  
Macromphaliinae  
Gastropachinae  
Lasiocampinae

**Series Saturniiformes**

113. ENDROMIDAE - Glory Moths

Endrominae  
Mirininae

114. LEMONIIDAE - Autumn Silkworm Moths

Lemoniinae  
Sabaliinae

115. BRAHMAEIDAE - Brahmin Moths

Dactyloceratinae  
Brahmaeinae

116. OXYTENIDAE - Tropical American Silkworm Moths

117. CERCOPHANIDAE - Andean Moon Moths

Cercophaninae  
Janiodinae

**118. SATURNIIDAE - Emperor Moths**

Arsenurinae  
Ceratocampinae  
Hemileucinae  
Agliinae  
Ludiinae  
Salassinae  
Saturniinae

**SPHINGOIDEA****119. SPHINGIDAE - Hawk Moths**

Sphinginae  
Macroglossinae

**NOCTUOIDEA****120. NOTODONTIDAE - Prominent Moths**

Oenosandrinae  
Notodontinae  
Thaumetopoeinae

121. DIOPTIDAE - American False Tiger Moths

Dioptinae  
Doinae

122. THYRETIDAE - African Maiden Moths

**123. LYMANTRIIDAE - Tussock Moths**

Orgyiinae  
Lymantriinae

**124. ARCTIIDAE - Tiger Moths**

Group Pericopina  
Pericopinae

Group Arctiina  
Lithosiinae

Arctiinae  
Group Ctenuchina

Ctenuchinae  
Syntominiinae

**125. NOCTUIDAE - Owlet Moths**

Group Aganainina  
Aganaininae

Group Herminiina  
Herminiinae

Group Noctuina  
Rivulinae

Hypenodinae  
Hypeninae

Catocalinae  
Euteliinae

Stictopterinae  
Sarothripinae

Chloephorinae  
Nolinae

Plusiinae

Acontiinae

Amphipyridinae

Stiriinae

Psaphidinae

Agaristinae

Coccytiinae

Heliothinae

Acronictinae

Pantheinae

Bryophilinae

Cuculliinae

Hadeninae

Noctuinae

## FAMILY NAME INDEX

Numbers herein refer to family numbers from the previous listing (likewise in the index to family common names). All families and other higher taxon names are in boldface. A few common synonyms are included.

- ACANTHOPTEROCTETIDAE** - 5  
 Acanthopteroctetinae - 5  
*Acentropinae* [= Nymphulinae] - 61  
 Acontinae - 125  
 Acraeinae - 101  
 Acraginae - 80  
**ACROLEPIIDAE** - 57  
**ACROLOPHIDAE** - 24  
 Acrolophinae - 24  
 Acronictinae - 125  
**ADELIDAE** - 22  
 Adelinae - 22  
*Aegeriidae* [= Sesiidae] - 66  
 Aganainae - 125  
 Aganainina - 125  
 Agaristinae - 125  
**AGATHIPHAGIDAE** - 2  
*Agathiphagoidea* - 2  
 Agdistinae - 65  
 Agliinae - 118  
**Aglossata** - 2-3  
**AGONOXENIDAE** - 42  
 Agonoxeninae - 42  
 Aidinae - 74  
**ALUCITIDAE** - 46  
 Amathusiinae - 101  
 Amphipyridae - 125  
**AMPHITHERIDAE** - 29  
 Amydriinae - 24  
**ANDESIANIDAE** - 14  
 Anomoerotinae - 70  
**ANOMOSETIDAE** - 10  
 Antequerinae - 43  
**ANTHELIDAE** - 111  
 Anthelinae - 111  
**APATELODIDAE** - 108  
 Apatelodinae - 108  
 Apaturinae - 101  
**APOPROGONIDAE** - 89  
 Archaeopachinae - 112  
 Archiearinae - 93  
**ARCTIDAE** - 124  
 Arctiinae - 124  
 Arctiinina - 124  
**ARGYRESTHIDAE** - 54  
 Argyrotypinae - 60  
**ARRHENOPHANIDAE** - 28  
 Arsenurinae - 118  
*Attacidae* [= Saturniidae] - 118  
**ATTEVIDAE** - 52  
 Autostichinae - 34  
**AXIIDAE** - 102  
 Baroniinae - 96  
 Batrachedrinae - 40  
 Bedelliinae - 56  
**BLASTOBASIDAE** - 39  
 Blastobasinae - 39  
 Blastodacninae - 42  
**BOMBYCIDAE** - 109  
*Bombyciformes* - 106-112  
*Bombycina* - 85-125  
 Bombycinae - 108  
*Bombycoidea* - 106-118
- BRACHODIDAE** - 65  
 Brachodinae - 65  
**BRAHMAEIDAE** - 115  
 Brahmaeinae - 115  
 Brassolinae - 101  
 Brenthiinae - 68  
 Bryophilinae - 125  
**BUCCULATRICEIDAE** - 32  
 Calinaginae - 101  
**CALLIDULIDAE** - 87  
 Callidulinae - 87  
*Calliduloidea* - 85-87  
 Callizygaeinae - 70  
**CARPOSINIDAE** - 477  
**CARTHAETIDAE** - 106  
**CASTNIIDAE** - 83  
 Castniinae - 83  
*Castnioidea* - 83  
 Catapteriginae - 5  
 Catocalinae - 125  
**CECIDOSIDAE** - 20  
 Cedestinae - 53  
 Cemiostominae - 56  
 Ceratocampinae - 118  
**CERCOPHANIDAE** - 117  
 Cercophaninae - 117  
 Ceuthomadarinae - 35  
 Chalcosiinae - 70  
 Charideinae - 70  
 Chilecomadiinae - 75  
 Chimabachinae - 34  
 Chionopsychinae - 112  
 Chlidanotinae - 84  
 Chloephorinae - 125  
 Chondrosteginae - 112  
**CHOREUTIDAE** - 68  
 Choreutinae - 68  
 Chrysauginae - 61  
 Chrysopeliinae - 43  
**CHRYSOPELOMIDAE** - 82  
 Chrysopolominae - 82  
 Cocytinae - 125  
 Coeliadinae - 95  
 Coelopoetinae - 36  
**COLEOPHORIDAE** - 40  
 Coleophorinae - 40  
 Coliadinae - 97  
 Comptosieninae - 26  
**COPROMORPHIDAE** - 45  
*Copromorphoidea* - 45-48  
 Corrachinae - 99  
**COSMOPTERIGIDAE** - 43  
 Cosmopteriginae - 43  
*Cosmopterigidae* [= Cosmopterigidae] - 43  
**COSSIDAE** - 75  
*Cossiformes* - 75-77  
*Cossina* - 75-125  
*Cossina* - 75-84  
 Cossinae - 75  
*Cossoidea* - 75-82  
 Cossulinae - 75  
 Crambinae - 61  
 Crambinina - 61
- Crinopteryginae - 19  
 Ctenuchinae - 124  
 Ctenuchina - 124  
 Cucullinae - 125  
 Curetinae - 98  
 Cybalomiinae - 61  
**CYCLIDIIDAE** - 104  
**CYCLOTORNIDAE** - 78  
*Cynodiidae* [= Heliozelidae] - 23  
**Dacnonypha** - 4-6  
*Dacnonypha* - 4-5  
 Dactyloceratinae - 115  
**DALCERIDAE** - 80  
 Dalcerinae - 80  
 Danaina - 101  
 Depressariinae - 34  
 Desmobarthinae - 93  
 Deuterocopinae - 64  
 Deuterogoniinae - 34  
*Dichogaminae* [= Dichogamini, Glaphyriinae] - 61  
 Dichomeridinae - 38  
**DIOPTIDAE** - 121  
 Dioprinae - 121  
 Dismorphiinae - 97  
**Ditrysia** - 24-125  
 Doinae - 121  
**DOUGLASIIDAE** - 31  
**DREPANIDAE** - 105  
*Drepanoidea* - 102-105  
 Drepaninae - 105  
 Dryadaulinae - 25  
**DUDGEONEIDAE** - 76  
 Ectropinae - 82  
**ELACHISTIDAE** - 36  
 Elachistinae - 36  
**ENDROMIDAE** - 113  
 Endrominae - 113  
 Ennominae - 93  
**EPERMENIIDAE** - 48  
 Epimeriinae - 48  
**EPICOPIDAE** - 88  
 Epicopeiinae - 88  
 Epiinae - 108  
 Epipaschiinae - 61  
**EPIPLEMIDAE** - 88  
**EPIPYROPIDAE** - 79  
 Epipyropinae - 79  
 Erechthiinae - 25  
**ERIOCOTTIDAE** - 26  
 Eriocottinae - 26  
**ERIOCRANIIDAE** - 4  
*Eriocranioidea* - 4  
 Ethmiinae - 34  
 Euplocaminae - 25  
**EUPTEROTIDAE** - 107  
 Eupterotinae - 107  
 Euselasiinae - 99  
 Euteliinae - 125  
 Evergestinae - 61  
**Exoporia** - 8-13  
 Galacticinae - 67  
 Galleriinae - 61

- Gastropachinae - 112  
**GELECHIIDAE** - 38  
 Gelechiinae - 38  
**Gelechioidea** - 34-44  
**GEOMETRIDAE** - 93  
**Geometroidea** - 90-93  
 Geometrinae - 93  
**Geometroidea** - 89-105  
 Glaphyriinae - 61  
**Glossata** - 4-125  
**GLYPHIPTERIGIDAE** - 50  
 Glyphipteriginae - 50  
*Glyphipterygidae* [= *Glyphipterigidae*] - 50  
 Gonometinae - 112  
**GRACILLARIIDAE** - 33  
**Gracillariiformes** - 29-33  
 Gracillariinae - 33  
 Griveaudiinae - 87  
 Hadeninae - 125  
 Hamearinae - 99  
 Harmacloninae - 25  
**HEDYLIDAE** - 90  
 Heliconiinae - 101  
**HELIODINIDAE** - 58  
 Heliothinae - 125  
**HELIOZELIDAE** - 23  
 Hemileucinae - 118  
**HEPIALIDAE** - 12  
**Hepialoidea** - 9-13  
 Hermiinae - 125  
 Hermiiniinae - 125  
**HESPERIIDAE** - 95  
**Hesperiiiformes** - 96  
 Hesperinae - 95  
**HETEROBATHMIIDAE** - 3  
**Heterobathmiina** - 3  
**Heterobathmioida** - 3  
**HETEROGYNIDAE** - 69  
**Heteroneura** - 14-125  
 Heteropsychinae - 79  
 Heteropterinae - 95  
 Hibridinae - 86  
 Hieroxestinae - 25  
**HIMANTOPTERIDAE** - 71  
 Holcocerinae - 39  
**HYBLAEIDAE** - 59  
 Hypeninae - 125  
 Hypenodinae - 125  
 Hypertrophinae - 34  
*Hyponomeutidae* [= *Yponomeutidae*] - 53  
 Hypoptinae - 75  
**IMMIDAE** - 58  
**Immoidea** - 58  
**INCURVARIIDAE** - 19  
**Incurvariina** - 19-23  
 Incurvariinae - 19  
**Incurvarioidea** - 19-23  
 Ithomiinae - 101  
 Janinae - 107  
 Janiodinae - 117  
*Lacosomidae* [= *Mimallonidae*] - 110  
**LACTURIDAE** - 72  
 Lamproniinae - 21  
 Larentiinae - 93  
**LASIOCAMPIDAE** - 112  
 Lasiocampinae - 112  
**LECITHOCERIDAE** - 35  
 Lecithocerinae - 35  
**LEMONIIDAE** - 114  
 Lemoniinae - 114  
**LIBYTHEIDAE** - 100  
**LIMACODIDAE** - 81  
**Limacodiformes** - 78-82  
 Linostinae - 61  
*Liparidae* [= *Lymantriidae*] - 123  
 Liphyrinae - 98  
 Lipteninae - 98  
 Lithocolletinae - 33  
 Lithosiinae - 124  
**LOPHOCORONIDAE** - 6  
**Lophorocorinina** - 6  
**Lophocoronoidea** - 6  
 Ludiinae - 118  
**LYCAENIDAE** - 98  
 Lycaeninae - 98  
**LYMANTRIIDAE** - 123  
 Lymantriinae - 123  
**LYONETIDAE** - 56  
 Lyonetiinae - 56  
 Lypusinae - 27  
 Macroglossinae - 119  
 Macromphaliinae - 112  
 Macropiratininae - 64  
 Meessiinae - 25  
**MEGALOPYGIDAE** - 74  
 Megalopyginae - 74  
 Megathyminae - 95  
**METARBELIDAE** - 77  
 Microniinae - 91  
**MICROPTERIGIDAE** - 1  
**Micropterigoidea** - 1  
*Micropterygidae* [= *Micropterigidae*] - 1  
 Midilinae - 61  
 Miletinae - 98  
 Millieriinae - 68  
**MIMALLONIDAE** - 110  
 Mirinae - 113  
**MNESARCHAEIDAE** - 8  
**Mnesarchaeoidea** - 8  
**MOMPHIDAE** - 41  
**Monotrysia** - 14-23  
 Morphinae - 101  
 Munychryiinae - 111  
 Musotiminae - 61  
**Myoglossata** - 7-125  
**Myoglossata** - 7  
 Myrmecozelinae - 25  
 Nemapogoninae - 25  
 Nematopogoninae - 22  
 Neocastniinae - 83  
**Neolepidoptera** - 8-125  
**NEOPSEUSTIDAE** - 7  
**Neopseustina** - 7  
**Neopseustoidea** - 7  
**NEOTHEORIDAE** - 9  
**NEPTICULIDAE** - 15  
**Nepticulina** - 15-18  
 Nepticulinae - 15  
**Nepticuloidea** - 15-16  
 Nidarinae - 105  
**NOCTUIDAE** - 125  
 Noctuinae - 125  
 Noctuinae - 125  
**Noctuoidea** - 120-125  
 Nolinae - 125  
 Noordinae - 61  
**NOTODONTIDAE** - 120  
 Notodontinae - 120
- NYMPHALIDAE** - 101  
 Nymphalinae - 101  
 Nymphaliniinae - 101  
 Nymphulinae - 61  
 Ochromolopinae - 48  
**OCHSENHEIMERIIDAE** - 49  
 Ochytroticinae - 64  
 Oditinae - 35  
 Odontiinae - 61  
**OECOPHORIDAE** - 34  
 Oecophorinae - 34  
 Oenochrominae - 93  
 Oenosandrinae - 120  
 Oiketicinae - 27  
*Oinophilidae* [= *Hieroxestinae*] - 25  
 Olethreutinae - 84  
**OPOSTEGIDAE** - 16  
 Oretinae - 105  
 Orgyiinae - 123  
 Orthostixinae - 93  
 Orthoteliinae - 50  
**OXYCHIROTIDAE** - 63  
**OXYTENIDAE** - 116  
**PALAEOSETIDAE** - 13  
**PALAEOPHATIDAE** - 18  
**Palaeophatoidea** - 18  
 Panacelinae - 107  
 Pantheinae - 125  
**PAPILIONIDAE** - 96  
**Papilioniformes** - 96-101  
 Papilioninae - 96  
**Papilionoidea** - 95-101  
 Paranthreninae - 66  
 Parnassiinae - 96  
 Pectinivalvinae - 15  
 Peleopodinae - 34  
 Penestoglossinae - 27  
 Pericopinae - 124  
 Pericopininae - 124  
 Pexicopiinae - 38  
*Phalaenidae* [= *Noctuidae*] - 125  
*Phaloniidae* [= *Cochylini*] - 84  
 Phaudinae - 70  
 Phiditiinae - 108  
 Phthoropoeinae - 25  
 Phycitinae - 61  
 Phycodinae - 65  
 Phyllocnistinae - 33  
 Physoptilinae - 34  
**PIERIDAE** - 97  
 Pierinae - 97  
 Plusiinae - 125  
**PLUTELLIDAE** - 51  
 Plutellinae - 51  
 Polyommatainae - 98  
 Polyplocinae - 103  
 Poritiinae - 98  
 Praydinae - 51  
 Prismostictinae - 109  
 Procridinae - 70  
**PRODOXIDAE** - 21  
 Prodoxinae - 21  
**PROTOTHORIDAE** - 11  
 Psaphidinae - 125  
 Pseudocossinae - 65  
 Pseudopontiinae - 97  
**PSYCHIDAE** - 27  
 Psychinae - 27  
**PTEROLONCHIDAE** - 37

- PTEROPHORIDAE** - 64  
 Pterophorinae - 64  
**Pterophoroidea** - 62-64  
**PTEROTHYSANIDAE** - 86  
 Pterothysaninae - 86  
**PYRALIDAE** - 61  
 Pyralinae - 61  
 Pyralinina - 61  
**Pyraloidea** - 59-61  
 Pyraustinae - 61  
 Pyrginae - 95  
 Pyrrhopyginae - 95  
**RATARDIDAE** - 85  
**RIODINIDAE** - 99  
 Riodininae - 99  
 Rivulinae - 125  
*Roeslerstammiidae* [= *Amphitheridae*] - 29  
 Sabaliinae - 114  
 Salassinae - 118  
 Saridoscelinae - 53  
 Sarothripinae - 125  
**SATURNIIDAE** - 118  
**Saturniiformes** - 113-118  
 Saturniinae - 118  
 Satyrinae - 101  
 Satyrinina - 101  
 Scardiinae - 25  
 Schistomitriinae - 88  
 Schoenobiinae - 61  
**SCHRECKENSTEINIIDAE** - 30  
 Scopariinae - 61  
**SCYTHRIDIDAE** - 44  
 Scythropiinae - 51  
**SEMATURIDAE** - 90  
**SESIIDAE** - 66  
**Sesiina** - 65-74  
 Sesiinae - 66  
**Sesioidea** - 65-68  
 Setomorphinae - 25  
 Siculodinae - 60  
 Siloscinae - 25  
 Simaethistinae - 60  
**SOMABRACHYIDAE** - 73  
**SPHINGIDAE** - 119  
 Sphinginae - 119  
**Sphingoidea** - 119  
 Spilomelinae - 61  
 Stenomatinae - 34  
 Sterrhinae - 93  
 Stictopterinae - 125  
 Striglininae - 60  
 Stiriinae - 125  
 Styginae - 99  
 Symmocinae - 39  
 Synemoninae - 83  
 Syntominae - 124  
 Taleporiinae - 27  
 Teichobiinae - 24  
 Tellervinae - 101  
 Thaumetopoeinae - 120  
 Theclinae - 98  
**THYATIRIDAE** - 103  
 Thyatirinae - 103  
**THYRETIDAE** - 122  
**THYRIDIDAE** - 60  
 Thyridinae - 60  
**TINEIDAE** - 25  
**Tineiformes** - 24-28  
**Tineina** - 24-74  
**Tineina** - 24-64  
 Tineinae - 25  
**TINEODIDAE** - 62  
**Tineoidea** - 24-33  
 Tinissinae - 24  
 Tinthiinae - 66  
**TISCHERIIDAE** - 17  
**Tischerioidea** - 17  
 Torodorinae - 35  
**TORTRICIDAE** - 84  
 Tortricinae - 84  
**Tortricoidea** - 84  
 Trapezitinae - 95  
 Trosiinae - 74  
**URANIIDAE** - 91  
**Uranioides** - 88-92  
 Uraniinae - 91  
**URODIDAE** - 67  
 Urodinae - 67  
 Whalleyaninae - 60  
 Wurthiinae - 61  
 Xyloryctinae - 34  
**YPONOMEUTIDAE** - 53  
 Yponomeutinae - 53  
**Yponomeutoidea** - 49-57  
 Ypsolophinae - 51  
**Zeugloptera** - 1  
 Zeuzerinae - 75  
**ZYGAENIDAE** - 70  
 Zygaeninae - 70  
**Zygaenoidea** - 69-74

## FAMILY COMMON NAME INDEX

Numbers herein refer to family numbers (as in the index to family scientific names). All families and other higher taxon names are in boldface. Common names used herein mostly refer to the habits or appearance of typical members of each family; only a few names refer to some other point of the scientific name (e.g., Lyonet moths, in the family Lyonetiidae, refer to the lepidopterist who was honored by having the family named after him, Pierre Lyonet (1706-1789), of Holland).

- Acraea Butterflies* (Acraeinae; see Brush-Footed Butterflies) - 101  
 African Maiden Moths (Thyretidae) - 122  
 African Primitive Ghost Moths (Prototheoridae) - 11  
 African Skipper Moths (Apopoprogonidae) - 89  
 African Slug Caterpillar Moths (Chrysopolomidae) - 82  
 Amazonian Primitive Ghost Moths (Neotheoridae) - 9  
 American Butterfly Moths (Hedylidae) - 94  
 American False Tiger Moths (Diptidae) - 121  
 American Silkworm Moths (Apatelodidae) - 108  
 American Swallowtail Moths (Sematuridae) - 90  
 Andean Moon Moths (Cercophanidae) - 117  
 Archaic Moths, Mandibulate (Micropterigidae) - 1  
     Valdivian (Heterobathmiidae) - 3  
 Archaic Bell Moths (Neopseustidae) - 7  
 Archaic Sun Moths (Acanthopteroctetidae) - 5  
     Australian (Lophocoronidae) - 6  
     Sparkling (Eriocraniidae) - 4  
 Australian Archaic Sun Moths (Lophocoronidae) - 6  
 Australian Lappet Moths (Anthelidae) - 111  
 Australian Parasite Moths (Cyclotornidae) - 78  
 Australian Primitive Ghost Moths (Anomasetidae) - 10  
 Australian Silkworm Moths (Carthaeidae) - 106  
 Autumn Silkworm Moths (Lemoniidae) - 114  
 Bagworm Moths (Psychidae) - 27  
 Bear Moths, Little (Brachodidae) - 65  
 Bell Moths, Archaic (Neopseustidae) - 7  
*Blue Butterflies* (Polyommata; see Gossamer-Winged Butterflies) - 98  
 Brahmin Moths (Brahmaeidae) - 115  
 Bristle-Legged Moths (Schreckensteiniidae) - 30  
*Brown Butterflies* (Satyriinae, part; see Brush-Footed Butterflies) - 101  
 Brush-Footed Butterflies (Nymphalidae) - 101  
*Buck Moths* (Hemileucinae; see Emperor Moths) - 118  
*Budworm Moths* (Heliethinae; see Owlet Moths) - 125  
 Burnet Moths (Zygaenidae) - 70  
     False (Urodidae) - 67  
     Long-Tailed (Himantopteridae) - 71  
     Mediterranean (Heterogynidae) - 69  
     Tropical (Lacturidae) - 72  
 Butterfly Moths, American (Hedylidae) - 94  
     Giant (Castniidae) - 83  
     Old World (Callidulidae) - 87  
 Carpenterworm Moths (Cossidae) - 75  
     Dudgeon (Dudgeoneidae) - 76  
     Tropical (Metarbelidae) - 77  
 Casebearer Moths (Coleophoridae) - 40  
 Cereal Stem Moths (Ochsenheimeriidae) - 49  
*China-Mark Moths* (Nymphulinae; see Snout Moths) - 61  
 Clearwing Moths (Sesiidae) - 66  
*Clothes Moths* (see Fungus Moths) - 25  
 Concealer Moths (Oecophoridae) - 34  
*Copper Butterflies* (Lycaninae; see Gossamer-Winged Butterflies) - 98  
 Cosmet Moths (Cosmopterigidae) - 43  
 Crenulate Moths (Epiplemididae) - 92  
*Deltoid Moths* (see Owlet Moths) - 125  
 Diamondback Moths (Plutellidae) - 51  
     False (Acrolepiidae) - 56  
 Double-Eye Moths (Amphitheridae) - 29  
 Douglas Moths (Douglasiidae) - 31  
 Dudgeon Carpenterworm Moths (Dudgeoneidae) - 76  
 Emperor Moths (Saturniidae) - 118  
 Ermine Moths (Yponomeutidae) - 53  
     Tropical (Attevidae) - 52  
 Eye-Cap Moths (Opotegidae) - 16  
 Fairy Moths, Longhorned (Adelidae) - 22  
 False Burnet Moths (Urodidae) - 67  
 False Diamondback Moths (Acrolepiidae) - 56  
 False Owlet Moths (Thyatiridae) - 103  
 False Plume Moths (Tineodidae) - 62  
 Flannel Moths (Megalopygidae) - 74  
     Mediterranean (Somabrachyidae) - 73  
 Flower Moths (Scythrididae) - 44  
*Forester Moths* (Agaristinae; see Owlet Moths) - 125  
 Fringe-Tufted Moths (Epermeniidae) - 48  
*Fritillary Butterflies* (Nymphalinae, part; see Brush-Footed Butterflies) - 101  
 Fruitworm Moths (Carpocossidae) - 47  
     Tropical (Coproteridae) - 45  
 Fungus Moths (Tineidae) - 25  
 Gall Moths (Cecidosidae) - 20  
 Geometer Moths (Geometridae) - 93  
 Ghost Moths (Hepialidae) - 12  
     Miniature (Palaeosetidae) - 13  
 Giant Butterfly Moths (Castniidae) - 83  
 Giant Hooktip Moths (Cyclidiidae) - 109  
 Giant Lappet Moths (Eupterotidae) - 107  
*Giant Silkworm Moths* (Saturniinae; see Emperor Moths) - 118  
*Glasswing Butterflies* (Ithomiinae; see Brush-Footed Butterflies) - 101  
 Glory Moths (Endromidae) - 113  
*Goat Moths* (see Ghost Moths) - 12  
 Gold Moths (Axiidae) - 102  
 Gondwanaland Moths (Palaephatidae) - 18  
 Gossamer-Winged Butterflies (Lycanidae) - 98  
 Grass Miner Moths (Elachistidae) - 36  
*Grass Skipper Butterflies* (Hesperiinae; see Skipper Butterflies) - 95  
*Grizzled Skipper Butterflies* (Pyrginae; see Skipper Butterflies) - 95  
*Hairstreak Butterflies* (Theclinae; see Gossamer-Winged Butterflies) - 98  
*Harvester Butterflies* (Liphyrinae; see Gossamer-Winged Butterflies) - 98  
 Hawk Moths (Sphingidae) - 119  
 Head-Standing Moths, Shiny (Argyresthiidae) - 54  
 Hooktip Moths (Drepanidae) - 105  
     Giant (Cyclidiidae) - 104  
 Imma Moths (Immidae) - 58  
*Inchworm Moths* (see Geometer Moths) - 93  
*Judy Butterflies* (Riodininae, part; see Metalmark Butterflies) - 99  
 Kauri Moths (Agathiphagidae) - 2  
 Lance-Wing Moths (Pterolonchidae) - 37  
 Lappet Moths (Lasiocampidae) - 112  
     Australian (Anthelidae) - 111  
     Giant (Eupterotidae) - 107  
 Lattice Moths, Tropical (Arrhenophanidae) - 28  
 Leafcutter Moths (Incurvariidae) - 19  
 Leafminer Moths (Gracillariidae) - 33  
     Trumpet (Tischeriidae) - 17  
 Leaf Moths, Picture-Winged (Thyrididae) - 60  
 Leafroller Moths (Tortricidae) - 84  
 Little Bear Moths (Brachodidae) - 65

- Long-Tailed Burnet Moths (Himantopteridae) - 71  
 Longhorned Fairy Moths (Adelidae) - 22  
 Longhorned Moths, Tropical (Lecithoceridae) - 35  
*Longwing Butterflies* (Heliconiinae; see Brush-Footed Butterflies) - 101  
*Looper Moths* (see Geometer Moths) - 93  
 Lyonet Moths (Lyonetiidae) - 55  
 Maiden Moths, African (Thyretidae) - 122  
 Mandibulate Archaic Moths (Micropterigidae) - 1  
 Many-Plumed Moths (Alucitidae) - 46  
 Mediterranean Burnet Moths (Heterogynidae) - 69  
 Mediterranean Flannel Moths (Somabrachyidae) - 73  
 Metalmark Butterflies (Riodinidae) - 99  
 Metalmark Moths (Choreutidae) - 68  
*Milkweed Butterflies* (Danainae; see Brush-Footed Butterflies) - 101  
 Miner Moths, Grass (Elachistidae) - 36  
 Miniature Ghost Moths (Palaeosetidae) - 13  
 Mompha Moths (Mompidae) - 41  
 Moon Moths, Andean (Cercophanidae) - 117  
*Morpho Butterflies* (Morphinae; see Brush-Footed Butterflies) - 101  
 New Zealand Primitive Moths (Mnesarchaeidae) - 8  
*Noctuid Moths* (see Owlet Moths) - 125  
*Oakworm Moths* (see American False Tiger Moths) - 121  
 Old World Butterfly Moths (Callidulidae) - 87  
 Old World Spiny-Winged Moths (Eriocottidae) - 26  
*Olethreutine Moths* (see Leafroller Moths) - 84  
*Orange-tip Butterflies* (Pierinae, part; see Yellow-White Butterflies) - 97  
 Oriental Parnassian Moths (Ratardidae) - 85  
 Oriental Swallowtail Moths (Epicopeiidae) - 88  
*Owl Butterflies* (Brassolinae; see Brush-Footed Butterflies) - 101  
 Owlet Moths (Noctuidae) - 125  
     False (Thyatridae) - 103  
 Palm Moths (Agonoxenidae) - 42  
 Parasite Moths, Australian (Cyclotornidae) - 78  
     Planthopper (Epiropidae) - 79  
*Parnassian Butterflies* (Parnassiinae; see Swallowtail Butterflies) - 96  
 Parnassian Moths (Pterothysanidae) - 86  
     Oriental (Ratardidae) - 85  
 Picture-Winged Leaf Moths (Thyrididae) - 60  
 Planthopper Parasite Moths (Epiropidae) - 79  
 Plume Moths (Pterophoridae) - 64  
     False (Tineodidae) - 62  
 Primitive Moths, New Zealand (Mnesarchaeidae) - 8  
 Primitive Ghost Moths, African (Prototheoridae) - 11  
     Amazonian (Neotheoridae) - 9  
     Australian (Anomosetidae) - 10  
 Prominent Moths (Notodontidae) - 120  
 Pygmy Moths (Nepticulidae) - 15  
 Ribbed-Cocoon Maker Moths (Bucculatricidae) - 32  
*Ringlet Butterflies* (Satyrinae, part; see Brush-Footed Butterflies) - 101  
 Sackbearer Moths (Mimallonidae) - 110  
*Satyr Butterflies* (Satyrinae; see Brush-Footed Butterflies) - 101  
 Scavenger Moths (Blastobasidae) - 39  
 Sedge Moths (Glyptopterigidae) - 50  
*Serpentine Leafminer Moths* (Phyllocnistinae; see Leafminer Moths) - 33  
 Shield Bearer Moths (Heliozelidae) - 23  
 Shiny Head-Standing Moths (Argyresthiidae) - 54  
*Silk Moths* (see Silkworm Moths) - 109  
 Silkworm Moths (Bombycidae) - 109  
     American (Apatelodidae) - 108  
     Australian (Carthaeidae) - 106  
     Autumn (Lemoniidae) - 114  
     *Giant* (see Emperor Moths, Saturniidae) - 118  
     Tropical American (Oxytenidae) - 116  
 Skipper Butterflies (Hesperiidae) - 95  
 Skipper Moths, African (Apogonidae) - 89  
 Slug Caterpillar Moths (Limacodidae) - 81  
     African (Chrysopolomidae) - 82  
     Tropical (Dalceridae) - 80  
*Smoky Moths* (see Tiger Moths) - 124  
 Snout Butterflies (Libytheidae) - 100  
 Snout Moths (Pyralidae) - 61  
 Sparkling Archaic Sun Moths (Eriocraniidae) - 4  
 Stem Moths, Cereal (Ochsenheimeriidae) - 50  
*Sphinx Moths* (see Hawk Moths, Sphingidae) - 119  
 Spiny-Winged Moths, Old World (Eriocottidae) - 26  
*Sulphur Butterflies* (Coliadinae; see Yellow-White Butterflies) - 97  
*Sun Moths* (see Giant Butterfly Moths) - 83  
 Sun Moths (Heliodinidae) - 57  
     Archaic (Acanthopteroctetidae) - 5  
     Australian Archaic (Lophocoronidae) - 6  
     Sparkling Archaic (Eriocraniidae) - 4  
 Swallowtail Butterflies (Papilionidae) - 96  
 Swallowtail Moths (Uraniidae) - 91  
     American (Sematuridae) - 90  
     Oriental (Epicopeiidae) - 88  
 Teak Moths (Hyblaeidae) - 59  
*Tiger Butterflies* (Danainae, part; see Brush-Footed Butterflies) - 101  
 Tiger Moths (Arctiidae) - 124  
     American False (Diptidae) - 121  
*Tortricid Moths* (see Leafroller Moths) - 84  
 Tropical American Silkworm Moths (Oxytenidae) - 116  
 Tropical Burnet Moths (Lacturidae) - 71  
 Tropical Carpenterworm Moths (Metarbelidae) - 77  
 Tropical Ermine Moths (Attevidae) - 52  
 Tropical Fruitworm Moths (Copromorphidae) - 45  
 Tropical Lattice Moths (Arrhenophanidae) - 28  
 Tropical Longhorned Moths (Lecithoceridae) - 35  
 Tropical Plume Moths (Oxychirotidae) - 63  
 Tropical Slug Caterpillar Moths (Dalceridae) - 80  
 Trumpet Leafminer Moths (Tischeriidae) - 17  
 Tube Moths (Acrolophidae) - 24  
 Tussock Moths (Lymantriidae) - 123  
 Twirler Moths (Gelechiidae) - 38  
 Valdivian Archaic Moths (Heterobathmiidae) - 3  
 Valdivian Forest Moths (Andesianidae) - 14  
*Wasp Moths* (see Tiger Moths) - 124  
*White Butterflies* (Pierinae; see Yellow-White Butterflies) - 97  
 Yellow-White Butterflies (Pieridae) - 97  
 Yucca Moths (Prodoxidae) - 21  
*Yucca Skippers* (Megathyminae; see Skipper Butterflies) - 95



## KEYS TO LEPIDOPTERA FAMILIES

The keys presented here follow earlier versions (Heppner, 1996, 1998), with corrections and the addition of the new family Andesianidae. A basic knowledge of Lepidoptera morphology and the terms of the main anatomical characters is required for easy use of the keys. The keys should be used by following the characters of each couplet in their entirety. Thus, each character noted in a couplet should be verified. Any discrepancy should indicate a possibly wrong keying direction and requires backtracking to determine if the direction is the logical one to follow. Only by following such a keying strategy will users have success with the keys in this guide.

An attempt has been made to begin with the most obvious major characters in each key. For example, the scaled haustellum is an obvious character used by specialists when examining most small moths: this character immediately restricts a specimen to either Gelechioidea, Incurvarioidea, Pyralidae, Tischeriidae, or Choreutidae, since no other known groups have a scaled haustellum. The same is true for some other characters, such as abdominal or thoracic tympanal organs, which are found in only a few families, although this character is often difficult to see (it may often be necessary to brush away a small area at the posterior side of the metathorax, above the last pair of legs, to determine the presence or absence of tympana; likewise on the anterior of the abdomen for some families).

The Microlepidoptera have given beginners the greatest difficulty in the past, and they take more time to identify due to their generally small size, but some are more easily distinguished than others. It is my hope that these keys will help in identifying the families more easily. The keys include all families of the world, in case stray or imported species are found that need to be keyed out. References to exotic families can be found in my previous work (Heppner, 1998) and upcoming parts (see Heppner, in prep.), or in such works as by Kristensen (1999) and Scoble (1992); see also Common (1990), Holloway *et al.* (1987, 2001), and Nielsen and Common (1991), for useful treatments of exotic groups.

The keys are arranged into 8 sections (Keys A-H) to facilitate the speed of identification by way of allowing experienced users to quickly go to the appropriate section: for example, one can immediately go to Key C if the specimen has metathoracic tympanal organs, or to Key G if the haustellum is scaled. Abbreviations used: FW = forewing; HW = hindwing; plus standard wing venation letter-codes (see Fig. 60, p. 68).

- Key A.**        **Brachypterous or apterous moths.**  
**Key B.**        **Butterflies and butterfly-like moths** (incl. Castniidae, Zygaenidae, Callidulidae, Uraniidae, Sematuridae, Apoprogonidae, Arctiidae (Syntominiæ), Noctuidae (Agaristinae, Cocytiinae) [Hedylidae: see Key D]).  
**Key C.**        **Noctuoidea.**  
**Key D.**        **Geometroid-type moths** (except Callidulidae, Pterothysanidae, Ratardidae, Apoprogonidae and Sematuridae; but including Dudgeoneidae).  
**Key E.**        **Bombycoid-type moths** (plus Thyrididae, Callidulidae, Pterothysanidae, Ratardidae, Sematuridae, Sphingidae, and Arctiidae).  
**Key F.**        **Jugate moths** (Micropterigoidea, Agathiphagoidea, Heterobathmioidea, Eriocranioidea, Lophocoronoidea, Neopseustoidea, Mnesarchaeoidea, and Hepialoidea).  
**Key G.**        **Microlepidoptera with scaled haustellum** (Incurvarioidea, Gelechioidea; plus Tischeriidae, Choreutidae, and Pyralidae).  
**Key H.**        **Microlepidoptera with naked haustellum, exclusive of jugate moths** (including Andesianidae, Nepticuloidea, Palaephatoidea, Tineoidea, Copromorphoidea, Yponomeutoidea, Immoidea, Pyraloidea (Hyblaeidae and Thyrididae), Pterophoroidea, Sesiioidea (except Choreutidae), Zygaenoidea, Cossioidea, and Tortricoidea (also one odd Drepanidae: genus *Hypsidia*)).

## KEY TO SECTIONS

- |   |  |
|---|--|
| 1.    – Wings developed (wide or narrow), expanded, not distinctly vestigial . . . . . 2  | – Tympanal organs absent . . . . . 6   |
| – Wings reduced, brachypterous, or apterous (may involve only female moths in some families or only hindwings) . . . . . <b>Key A</b>   | 4(3). – Tympanal organs on first abdominal sternite (rarely in other position on abdomen) . . . . . 5  |
| 2(1). – Antenna extended to fine point, not distinctly clubbed (if antenna thickened distally, then wings greatly elongated and with special wing-fold coupling (Sesiidae), or antenna with minute filiform hook at tip (Sphingidae)) . . . . . 3 | – Tympanal organs on metathoracic pleurites (Noctuoidea) . . . . . <b>Key C</b>  |
| – Antenna distinctly clubbed (if club is long and tapered, then often coming to a hook-like end) (butterflies and clubbed moths) . . . . . <b>Key B</b>   | 5(4). – Haustellum naked; labial palpi usually upcurved (Geometroid-type moths) . . . . . <b>Key D</b>   |
| 3(2). – Tympanal organs present . . . . . 4   | – Haustellum scaled basally; labial palpi usually correct (Pyralidae) . . . . . <b>Key G</b>   |
|   | 6(3). – Jugum absent (wings with retinaculum-frenulum coupling or with specialized coupling; rarely with frenulum absent); wing venation usually heteroneurous between FW and HW . . . . . 7 |
|   | – Jugum present on FW base; wing venation usually  |

- homoneurous (Jugate moths) . . . . . **Key F**
- 7(6). – Haustellum naked (rarely reduced); chaetosemata present or absent; labial palpi upcurved, porrect or drooping . . . . . 8
- Haustellum scaled basally (if reduced, then chaetosemata absent); labial palpi often long and recurved (sometimes porrect) (Microlepidoptera with scaled haustella) . . . . . **Key G**
- 8(7). – Large moths (mostly over 20mm); FW and HW without basal fork evident on anal veins (or only very small fork); FW and HWs each with only one apparent anal vein ( $A_{1+2}$ ) (rarely a second apparent anal vein present); usually no median vein in discal cell of FW and HW (Bombycoid-type moths) . . . . . **Key E**
- Small moths (mostly under 20mm); often with linear wings having reduced venation; FW and HW usually with prominent basal fork on anal veins (if not evident then a median vein present in discal cell); FW with 1 or 2 apparent anal veins present; HW usually with more than 2 apparent anal veins evident ( $A_{1+2}$ ,  $A_3$ ,  $A_4$ ); often a median vein present (or vestigial) in FW and HW discal cells (Microlepidoptera with naked haustella) . **Key H**

### Key A. Brachypterous or Apterous Moths

1. – Haustellum developed and scaled basally . . . . . 2
- Haustellum undeveloped, naked . . . . . 4
- 2(1). – Tympanal organs on anterior ventrum of abdomen; labial palpi usually porrect . . . . . PYRALIDAE
- Tympanal organs absent; labial palpi usually upcurved . . . . . 3
- 3(2). – HW ovate or trapezoidal (if lanceolate and narrow, then FW with  $R_2$  before upper angle of discal cell, close to  $R_1$ ) . . . . . OECOPHORIDAE
- HW narrow, lanceolate; FW with  $R_2$  approximate to upper angle of discal cell (or rarely veins near apex), distant from  $R_1$  . . . . . SCYTHRIDIDAE
- 4(1). – Tympanal organs present . . . . . 5
- Tympanal organs absent . . . . . 8
- 5(4). – Tympanal organs present on metathorax . . . . . 6
- Tympanal organs present on anterior sternite of abdomen . . . . . GEOMETRIDAE
- 6(5). – Haustellum absent (rarely present; if present then antenna bipectinate and HW with  $Sc+R_1$  connected to  $Rs$  only at midwing by short  $R_1$  spur) . . . . . LYMANTRIIDAE
- Haustellum present (if absent then HW with  $Sc+R_1$  fused to  $Rs$  from base to 1/4 - 1/2 cell length . . 7
- 7(6). – FW with areole absent; haustellum reduced . . . . . ARCTIIDAE
- FW with areole present; haustellum normal . . . . . NOCTUIDAE
- 8(4). – FW with forked median vein in distal cell, or females larviform . . . . . 9
- FW without a forked median vein in discal cell, or females with wing stubs . . . . . 12
- 9(8). – Chaetosemata absent . . . . . 10
- Chaetosemata present . . . . . SOMABRACHYIDAE
- 10(9). – FW with frenulum . . . . . 11
- FW with jugum . . . . . HEPIALIDAE

- 11(10). – Labial palpi 1-2-segmented (or fused) . . . . . PSYCHIDAE
- Labial palpi 3-segmented . . . . . COSSIDAE
- 12(8). – Antenna pectinate or bipectinate; moths 15mm and larger . . . . . 13
- Antenna filiform, moths under 10mm . . . . . 15
- 13(12). – Chaetosemata absent . . . . . 14
- Chaetosemata present . . . . . HETEROGYNIDAE
- 14(13). – FW with areole present; tibial spurs 0-2-4 or 0-2-2 . . . . . ANTHELIDAE
- FW with areole absent; tibial spurs 0-2-2 only . . . . . LASIOCAMPIDAE
- 15(12). – Maxillary palpi 2-5-segmented; head vertex rough . . . . . 16
- Maxillary palpi reduced (1-2 segments); head vertex normal (not markedly rough) . . . . . YPONOMEUTIDAE
- 16(15). – Maxillary palpi 5-segmented; chaetosemata absent; ocelli absent . . . . . TINEIDAE
- Maxillary palpi 2-4-segmented; chaetosemata often present (rarely absent); ocelli usually present . . . . . TORTRICIDAE

### Key B. Butterflies and Butterfly-Like Moths

1. – Ocelli or chaetosemata absent, never both present
- Ocelli and chaetosemata both present (Zygaenidae lacking ocelli or chaetosemata do not have clubbed antennae; see Key H) . . . . . ZYGAENIDAE
- 2(1). – Ocelli absent; chaetosemata present . . . . . 3
- Ocelli present; chaetosemata absent . . . . . 12
- 3(2). – Foretibia with epiphysis usually present; tibial spurs 0-2-2, 0-0-4, or 0-2-4 (rarely 0-2-2) . . . . . 4
- Foretibia without epiphysis; tibial spurs only 0-2-2 . . . . . 9
- 4(3). – Abdominal tympanal organs present (see Key D for females not having clubbed antennae) . . . . . URANIIDAE
- Tympanal organs absent . . . . . 5
- 5(4). – HW with frenulum present; maxillary palpi present . . . . . 6
- HW with frenulum absent (if present or vestigial then maxillary palpi absent and FW without stalked veins) . . . . . 7
- 6(5). – Labial palpi porrect; HW with  $Sc$  and  $Rs$  divergent from wing base,  $M_2$  equidistant from  $M_1$  and  $M_3$ , and with 2 apparent anal veins ( $A_{1+2}$  and  $A_3$ ) (Ethiopian) . . . . . AOPROGONIDAE
- Labial palpi upcurved; HW with  $Sc$  approaching  $Rs$  where  $M_1$  joins  $Rs$ , with  $M_2$  and  $M_3$  convergent on  $CuA_1$ , and with 1 apparent anal vein ( $A_{1+2}$ ) (Old World) . . . . . CALLIDULIDAE
- 7(5). – Tibial spurs normally 0-2-2 (sometimes 0-0-2 or 0-0-4); epiphysis present . . . . . 8
- Tibial spurs 0-2-4; epiphysis usually absent (Neotropical) . . . . . 14
- 8(7). – Antennae usually with hook-tipped clubs (rarely simple clubs: Megathyminae); FW without stalked radial veins; maxillary palpi absent . . . . . (Megathyminae) HESPERIIDAE
- Antennae with simple straight clubs; FW with stalked radial veins; maxillary palpi present . . . . .

- ..... PAPILIONIDAE
- 9(3). – Tibiae unspined; tarsal claws not bifid (if bifid then abdomen with sclerotized prespiracular bar [dissection needed]); HW sometimes with fine tails; wing color not often with large areas of white or yellow ..... 10
- Tibiae spined; tarsal claws bifid; HW never with fine tails; wing color usually with large areas of white or yellow ..... PIERIDAE
- 10(9). – Labial palpi of average length, upcurved (if porrect and long, then eyes usually emarginate [*Megalopalpus*, *Lycaenidae*]); FW not usually falcate ..... 11
- Labial palpi distinctly elongated and porrect; FW usually falcate to some extent; eyes not emarginate ..... LIBYTHEIDAE
- 11(10). – Foretibiae reduced, non-functional ..... NYMPHALIDAE
- Foretibiae of normal length, functional ..... LYCAENIDAE
- 12(2). – Maxillary palpi 1-segmented; FW and HW without median veins evident in discal cells ..... 13
- Maxillary palpi 2-4-segmented; FW and HW with median veins present in discal cells (mostly Neotropical; also Oriental and Australian) ..... CASTNIIDAE
- 13(12). – Tympanal organs present on thorax; FW usually with areole present; HW with 3 median veins present (for *Agaristinae* without antennal club, see Key C) ..... (Agaristinae and Cocytiinae) NOCTUIDAE
- Tympanal organs usually absent; FW usually without areole; HW with only 1 median vein evident ( $M_2$  absent;  $M_3$  fused with  $CuA_1$ ) (for Ctenuchinae, see Key C, couplet 4) ..... (Syntominae) ARCTIIDAE
- 14(7). – Forelegs with epiphysis absent ..... 15
- Forelegs with epiphysis present (New World) ..... SEMATURIDAE
- 15(14). – Maxillary palpi absent (see also couplet 11) ..... RIODINIDAE
- Maxillary palpi present, 1-segmented ..... NYMPHALIDAE

### Key C. Noctuoidea

1. – HW with 2 apparent anal veins ( $A_{1+2}$  and  $A_3$ ); FW with areole usually present ..... 2
- HW with 1 apparent anal vein ( $A_{1+2}$ ); FW with areole absent ..... 4
- 2(1). – FW with  $M_2$  equidistant to  $M_1$  and  $M_3$  (rarely  $M_2$  absent nor equidistant); FW with  $A_{1+2}$  with basal fork evident (if absent then HW with Rs free of Sc); antennae usually bipectinate in males (pectinate in females), often becoming filiform or serrate near apex ..... 3
- FW with  $M_2$  nearer  $M_3$  than  $M_1$ , or nearer to  $M_1$  than  $M_3$  ( $M_2$  may be absent); FW with  $A_{1+2}$  without basal fork evident; antennae variable ..... 5
- 3(2). – FW without areole and without basal fork on  $A_{1+2}$ ; HW with Sc free of Rs; usually colorful moths

(New World, mostly Neotropical) . DIOPTIDAE

– FW usually with areole present (if absent then basal fork on  $A_{1+2}$ ); HW with Sc anastomizing with Rs near wing base; usually dull moths .....

- ..... NOTODONTIDAE
- 4(1). – HW with discal cell open or closed; maxillary palpus 1-segmented; haustellum present; tibial spurs 0-2-4; ocelli present or absent ..... (Ctenuchinae) ARCTIIDAE
- HW with discal cell closed; maxillary palpi absent; haustellum absent; tibial spurs 0-2-2; ocelli always absent (Ethiopian) ..... THYRETIDAE
- 5(2). – HW with Sc connected to Rs by short spur vein near mid-cell area, forming a basal cell ..... 6
- HW with Sc fused to Rs near base (fused area may be short) ..... 8
- 6(5). – Ocelli absent; haustellum minute or absent ... 7
- Ocelli present; haustellum normally developed (clearly present and large) (Old World) ..... (Aganainae) NOCTUIDAE
- 7(6). – Antennae filiform; haustellum present but minute ..... (Hypenodinae) NOCTUIDAE
- Antennae bipectinate (except some females); haustellum absent ..... LYMANTRIIDAE
- 8(5). – Metathorax with counter-tympanal hood prespiracular ..... 9
- Metathorax with counter-tympanal hood postspiracular (see Key B for *Agaristinae* and *Cocytiinae* having clubbed antennae) (see also couplet 9) ... NOCTUIDAE
- 9(8). – Antennae usually bipectinate in males (filiform in females); usually colorful moths ... ARCTIIDAE
- Antennae always filiform; usually dull moths ... (Herminiinae) NOCTUIDAE

### Key D. Geometroid-Type Moths

1. – Wings with median vein present in discal cell . 2
- Wings without median vein evident in discal cell ..... 4
- 2(1). – Chaetosemata absent; labial palpi short, upturned or slightly porrect ..... 3
- Chaetosemata present; labial palpi long and porrect Old World ..... DUDGEONEIDAE
- 3(2). – Antennae bipectinate (Oriental) - EPICOPIDAE
- Antennae filiform (sometimes hook-clubbed, then see Key B) ..... URANIIDAE
- 4(1). – Chaetosemata absent (rarely vestigial) ..... 5
- Chaetosemata present ..... 8
- 5(4). – HW with 2 apparent anal veins ( $A_{1+2}$  and  $A_3$ ) . 6
- HW with 1 apparent anal vein ( $A_{1+2}$ ) (if 2 anal veins evident then areole present) ..... 7
- 6(5). – Antennae bipectinate; maxillary palpi 1-segmented, vestigial (west Palearctic) ..... AXIIDAE
- Antennae usually filiform (may be pectinate or lamellate); maxillary palpi 3-segmented (east Palearctic and Oriental) ..... CYCLIDIIDAE
- 7(5). – FW often falcate, with  $R_3$ - $R_4$  stalked beyond areole; HW with  $A_3$  absent; areole, frenulum and epiphysis usually present (see also Key H, couplet 5) ..... DREPANIDAE
- FW never falcate, with  $R_3$  and  $R_4$  free; HW with  $A_3$

- visible; frenulum and epiphysis always present; areole sometimes absent . . . . . THYATIRIDAE
- 8(4). – HW with Sc anastomized to Rs beyond wing base (or at least a connecting spur vein), forming a basal cell; labial palpi not noticeably porrect; FW usually with an areole present; maxillary palpi 1-2-segmented; ocelli present or absent . . . . . 9
- HW with Sc divergent from Rs near wing base; labial palpi porrect; FW with areole always absent; maxillary palpi 1-segmented; ocelli always absent . . . . . EPIPLEMIDAE
- 9(8). – Tympanum present antero-ventrad on abdomen; FW of variable shape, areole present, and cell without median vein; HW cell without median vein (worldwide) . . . . . GEOMETRIDAE
- Tympanum absent; FW usually with apex truncated, areole absent, and cell with vestigial median vein; HW cell with vestigial cell vein (Neotropical) . . . . . HEDYLIDAE

### Key E. Bombycoid-Type Moths

1. – Chaetosemata present, often large . . . . . 2
- Chaetosemata absent . . . . . 4
- 2(1). – HW without tails; wing discal cells with median veins absent . . . . . 3
- HW usually with tails; wing discal cells with median veins present and forked (see Key B for males with clubbed antennae) (Neotropical; strays to Arizona and New Mexico) . SEMATURIDAE
- 3(2). – HW with discal cell open, frenulum usually normal, and with 2 apparent anal veins ( $A_{1+2}$  and  $A_3$ ) (see Key B for some species with slightly clubbed antennae) (mainly Oriental; also east Palearctic and Australian) . . . . . CALLIDULIDAE
- HW with discal cell closed, frenulum vestigial, and with only 1 apparent anal vein ( $A_{1+2}$ ) (see couplet 12 for Hibrildinae) (Ethiopian and Oriental) . . . . . PTEROTHYSANIDAE
- 4(1). – FW without areole or chorda . . . . . 5
- FW with areole or chorda present (sometimes 2) (Australian) . . . . . ANTHELIDAE
- 5(4). – FW with  $R_2$ - $R_5$  stalked near wing apex; quadrate-shaped moths . . . . . 6
- FW with radial veins variously stalked but not with  $R_2$ - $R_5$  stalked near apex (if apparently near apex then moths narrow-winged and with HW having only 1 median vein present) . . . . . 7
- 6(5). – HW with Sc connected to Rs by short spur near wing base; frenulum absent (rarely vestigial); epiphysis absent; labial palpi 1-segmented (Old World, primarily Oriental; 1 sp. introduced worldwide for silk production) . . . . . BOMBYCIDAE
- HW with Sc touching Rs near wing base; frenulum prominent; epiphysis present; labial palpi 3-segmented (New World, mostly Neotropical) . . . . . APATELODIDAE
- 7(5). – HW with Sc free of Rs (if coincident then all median veins present); discal cell usually closed in HW . . . . . 8
- HW with Sc coincident with Rs ( $Sc+Rs$ ) and only 1 median vein present; HW discal cell often open or apparently open (includes *Amata*, lacking tympanal organs; see also Key B, couplet 13) . . . . .
- . . . (Syntominae and Ctenuchinae) ARCTIIDAE
- 8(7). – Antennae bipectinate, rarely serrate or dentate (if filiform or clavate, then thickened and with a small narrow tip); usually large quadrate moths (if narrow-winged then see couplet 17, Sphingidae); head with vertex usually rough and hairy; frenulum often absent . . . . . 9
- Antennae usually filiform (sometimes dentate or pectinate; bipectinate in *Argyrotypinae*); frenulum always present; usually smaller moths with normal head vertex; wings quadrate or elongated . . . . . THYRIDIDAE
- 9(8). – HW with only 1 apparent anal vein ( $A_{1+2}$ ) (if a small spur vein of another anal vein is evident, then frenulum present) . . . . . 10
- HW with 2 apparent anal veins ( $A_{1+2}$  and  $A_3$ ); frenulum present or absent . . . . . 14
- 10(9). – Haustellum clearly evident even if small; tibial spurs 0-2-4 . . . . . 11
- Haustellum absent (rarely vestigial); tibial spurs 0-2-2 (or absent) . . . . . 13
- 11(10). – FW apex rounded or abrupt but not extended as a small falcate apex; HW with a small spur connecting Sc and Rs, or fused, forming a small basal cell; maxillary palpi 3-segmented (Old World) . . . . . 12
- FW with small falcate apex; HW with Sc joined to Rs only at base of wing; maxillary palpi absent (Neotropical) . . . . . OXYTENIDAE
- 12(11). – FW and HW without vestigial median vein evident in discal cells; HW with small spur connecting Sc and Rs, and with small 2nd anal vein evident ( $A_3$ ); frenulum present (Australian) . . . . . CARTHAEIDAE
- FW and HW with vestigial median vein evident in discal cells; HW with Sc fused to Rs near base of wing, forming a basal cell, and with only 1 apparent anal vein ( $A_{1+2}$ ); frenulum absent (Ethiopian) (see also couplet 3) . . . . .
- . . . . . (Hibrildinae) PTEROTHYSANIDAE
- 13(10). – HW with Sc and Rs connected by short spur vein near wing base (Neotropical) . . . . .
- . . . . . CERCOPHANIDAE
- HW with Sc and Rs free and meeting only at wing base (see couplet 22 for other subfamilies) . . . . . SATURNIIDAE
- 14(9). – FW and HW with median vein in discal cell- 15
- FW and HW without median vein evident in discal cell (a short spur vein may be present near distal end but not a longer line) . . . . . 17
- 15(14). – Labial palpi upcurved; FW with  $R_2$ - $R_5$  stalked; maxillary palpi absent or vestigial (Palearctic) . . . . . 16
- Labial palpi porrect; FW with  $R_2$ - $R_4$  stalked,  $R_5$  free; maxillary palpi 1-segmented (Oriental) . . . . . RATARDIDAE
- 16(15). – HW with Sc separate from Rs at end of discal cell; foretibia with epiphysis present; foretarsus with claws the same size as on other legs (west Palearctic) . . . . . ENDROMIDAE

- HW with Sc approximate to Rs near end of cell; foretibia without epiphysis; foretarsus with very large claws (males) (west Palearctic) . . . . . LEMONIIDAE
- 17(14). – Antennae bipectinate and not filiform or thickened; haustellum usually absent or vestigial (if present, then wings quadrate); tibial spurs 0-2-2; moths may be large but not with narrow wings; maxillary palpi absent . . . . . 18
- Antennae usually thickened and clavate or filiform, with slightly hooked narrow tips (but not distinctly clubbed); haustellum large and very long; tibial spurs usually 0-2-4 (rarely 0-2-2); robust moths often very large (up to 160+ mm in wingspread), with narrowed and elongated FW; maxillary palpi 1-segmented . . . . . SPHINGIDAE
- 18(17). – Frenulum always present . . . . . 19
- Frenulum absent . . . . . 20
- 19(18). – FW rounded or slightly pointed but not distinctly falcate; HW with Sc connected to Rs by short spur vein near base (or somewhat fused); haustellum absent (may be rudimentary) (see also couplet 22) (Old World; 3 spp. in New World) . . . . . EUPTEROTIDAE
- FW usually with distinct falcate apex; HW with Sc abruptly divergent from Rs near base; haustellum present (may be vestigial) (New World, mostly Neotropical) . . . . . MIMALLONIDAE
- 20(18). – Haustellum absent or vestigial . . . . . 21
- Haustellum present (Palearctic, Ethiopian, and Oriental) . . . . . BRAHMAEIDAE
- 21(20). – HW without humeral veins evident . . . . . 22
- HW with distinct humeral veins (from 1 to 6) . . . . . LASIOCAMPIDAE
- 22(21). – HW with Rs joined to Sc near wing base or with short spur vein connecting both veins; epiphysis absent (rarely present) (see also couplet 19) (Old World) . . . . . EUPTEROTIDAE
- HW with Rs divergent from Sc at wing base; epiphysis present (see also couplet 13) (New World) . . . . . (Cerato-campinae and Hemileucinae) SATURNIIDAE
- FW and HW with pterostigma (Holarctic) . . . . . ERIOCRANIIDAE
- 5(4). – Forelegs without epiphysis; maxillary palpi 2-segmented; mandibles present (vestigial) (Austrian) . . . . . ANOMOSEITIDAE
- Foreleg with epiphysis present; maxillary palpi 3-segmented; mandibles absent (Ethiopian) . . . . . PROTOTHEORIDAE
- 6(1). – Protibial spur absent (tibial spurs various) . . . . . 7
- Protibial spur present (tibial spurs, 1-4-4) (Austrian) . . . . . AGATHIPHAGIDAE
- 7(6). – Tibial spurs absent (0-0-0) or 0-1-1 . . . . . 8
- Tibial spurs 0-2-4 or 0-4-4 . . . . . 9
- 8(7). – Maxillary palpi with 1-5 segments; wings with inter-M crossvein present; tibial spurs absent (0-0-0); haustellum vestigial or absent; often large moths (to 100+mm) . . . . . HEPIALIDAE
- Maxillary palpi absent; wings with inter-M crossvein absent; tibial spurs absent (0-0-0) or 0-1-1; haustellum absent; small moths (to 20mm) (Oriental and Australian) . . . . . PALAEOSEITIDAE
- 9(7). – Tibial spurs 0-4-4 . . . . . 10
- Tibial spurs 0-2-4 . . . . . 11
- 10(9). – Foretibiae with epiphysis present; FW and HW with 3 apparent anal veins evident ( $A_{1+2}$ ,  $A_3$ ,  $A_4$ ); maxillary palpi 5-segmented; small translucent moths, round when wings folded at rest (Neotropical and Oriental) . . . . . NEOPSEUSTIDAE
- Foretibiae without epiphysis; FW and HW with 1 apparent anal vein ( $A_{1+2}$ ); maxillary palpi 3-segmented (New Zealand) . . . . . MNESARCHAEIDAE
- 11(9). – Labial palpi 3-segmented; maxillary palpi 2-4-segmented; chaetosemata absent . . . . . 12
- Labial palpi 2-segmented; maxillary palpi 5-segmented; chaetosemata present (Nearctic) . . . . . ACANTHOPTEROCTETIDAE
- 12(11). – Foretibiae with epiphysis present; maxillary palpi 2-segmented; HW without median vein in discal cell (Neotropical) . . . . . NEOTHEORIDAE
- Foretibiae without epiphysis; maxillary palpi 4-segmented; HW with median vein in discal cell (Australian) . . . . . LOPHOCORONIDAE

### Key F. Jugate Moths

- 1. – Ocelli present . . . . . 2
- Ocelli absent . . . . . 6
- 2(1). – Haustellum absent; mandibles present; mesotibiae without spurs . . . . . 3
- Haustellum present (reduced); mandibles absent or vestigial; mesotibiae with 2 spurs . . . . . 4
- 3(2). – FW with Sc forked and no crossvein present between  $M_2$  and  $M_3$ ; pterostigma absent on FW and HW . . . . . MICROPTERIGIDAE
- FW with Sc not forked and crossvein (inter-M crossvein) present between  $M_2$  and  $M_3$ ; pterostigma present on FW and HW (Neotropical) . . . . . HETEROBATHMIIDAE
- 4(2). – Maxillary palpi with 2-3 segments; chaetosemata absent; FW and HW without pterostigma . . . . . 5
- Maxillary palpi 5-segmented; chaetosemata present;

### Key G. Microlepidoptera with Scaled Haustella

- 1. – Head vertex distinctly rough scaled (usually bristling with long hair-like scales) . . . . . 2
- Head vertex smooth-scaled (may be roughened in part but not with long hair-like scales) . . . . . 3
- 2(1). – Wing venation normal (not noticeably reduced); HW not lanceolate; labial palpi upturned, small; antennal scape without pecten; antennae various (sometimes longer than FW [Adelidae]); erect scales on head vertex (Incurvarioidea) . . . . . 22
- Wing venation reduced; HW lanceolate; labial palpi porrect, drooping, small; antennal scape with pecten present; antennae never longer than FW; head vertex usually with scales parted left and right over antennal bases . . . . . TISCHERIIDAE
- 3(1). – Abdomen without tympanal organs (if tympana

- vestigial, see couplet 6) . . . . . 4
- Abdomen with tympanal organs present on anterior sternite (one Neotropical genus, *Michaelshaffera*, lacks tympana) (see also couplet 6) . . . . . PYRALIDAE
- 4(3). – Wing venation variable, but not greatly reduced; HW not distinctly narrow or lanceolate (usually rather quadrate) . . . . . 5
- Wing venation reduced (if venation not reduced, then wings still linear); HW usually narrow and lanceolate, often extremely linear and pointed, and usually with fringe long . . . . . 11
- 5(4). – FW without pterostigma; ocelli present or absent; maxillary palpi usually 4-segmented (may have 1-4 segments); wings variable but usually longer than wide, distinctly elongated . . . . . 6
- FW with pterostigma present; ocelli always present; maxillary palpi only with 1-2 segments; wings usually rather quadrate in shape or rounded (rarely elongated) . . . . . CHOREUTIDAE
- 6(5). – FW with 1 apparent anal vein ( $A_{1+2}$ ), with  $A_3$  very small; ocelli present or absent; maxillary palpi 1-4 segmented . . . . . 7
- FW with 2 strong anal veins ( $A_1$  and  $A_2$ ); ocelli always present; maxillary palpi 4-segmented (*Lathroteles*), or 3-segmented and apical segment bilobed (*Michaelshaffera*) . . . . . PYRALIDAE
- 7(6). – FW with CuP present (sometimes only at margin) as partial vein; HW usually elongate-ovate, without an emarginated termen; maxillary palpi usually 4-segmented (may have 1-4 segments); labial palpi variable . . . . . 8
- FW with CuP absent; HW usually trapezoidal and termen usually emarginated; maxillary palpi 4-segmented; labial palpi usually long and strongly recurved . . . . . GELECHIIDAE
- 8(7). – Antennae variable (if longer than FW then wings relatively quadrate); FW somewhat elongated but not with especially pointed apex; HW without distinctly emarginated apex; FW and HW with  $M_2$  present; ocelli absent (rarely present) . . . . . 9
- Antennae subequal to or longer than FW (often thickened in males); FW usually elongated and with pointed apex; HW with apex somewhat emarginated; FW and HW usually with  $M_2$  absent; ocelli absent (mostly Oriental; also Australian/- Oceania) . . . . . LECITHOCERIDAE
- 9(8). – FW with  $R_4$  and  $R_5$  stalked,  $R_5$  always to costal margin before apex; FW with vestigial median vein evident in discal cell . . . . . 10
- FW with  $R_4$  and  $R_5$  free or stalked but  $R_5$  to termen below apex (if  $R_5$  to costal margin then no median vein evident in discal cell) . . . . . (Ethmiinae) OECOPHORIDAE
- 10(9). – HW with  $R_s$  and  $M_1$  separate; FW without pterostigma (see also couplet 20) . . . . . COSMOPTERIGIDAE
- HW with  $R_s$  and  $M_1$  connate (if separate then FW with pterostigma present) (see also couplet 18) (Symmocini and related genera) . . . . . OECOPHORIDAE
- 11(4). – Haustellum present (may be reduced); FW with  $R_4$  and  $R_5$  separate (may be stalked) . . . . . 12
- Haustellum absent; FW with  $R_4$  and  $R_5$  fused (as  $R_{4+5}$ ) (Palearctic and Ethiopian) . . . . . PTEROLONCHIDAE
- 12(11). – Maxillary palpi with 1-4 segments . . . . . 13
- Maxillary palpi small, always 5-segmented . . . . . HELIOZELIDAE
- 13(12). – FW with CuP present (may be vestigial or only evident at wing margin) . . . . . 14
- FW without CuP . . . . . GELECHIIDAE
- 14(13). – FW with discal cell ending distally in a blunt end (usually distinctly truncated with most radial veins close together at end of cell) . . . . . 15
- FW with discal cell ending distally in sharp point or at least a relatively acute end (not distinctly truncated) . . . . . 20
- 15(14). – FW with  $R_1$  near middle of discal cell and distant from  $R_2$ ; hind tibia and tarsi variously clothed with scales (without distinct whorls of bristles) . . . . . 16
- FW with  $R_1$  close to end of discal cell and close to  $R_2$ ; hind tibia and tarsi usually with distinct whorls of bristles (Oecophorinae: Stathmopodini; Lamprysticini without leg bristles) . . . . . OECOPHORIDAE
- 16(15). – FW with  $R_2$  distant from  $R_3$ , usually at about 1/4 from end of discal cell; FW without pterostigma . . . . . 17
- FW with  $R_2$  close to or approximate to  $R_3$  at end of discal cell; FW with pterostigma present . . . . . BLASTOBASIDAE
- 17(16). – HW with  $R_s$  and  $M_1$  connate . . . . . 18
- HW with  $R_s$  and  $M_1$  always separate . . . . . 19
- 18(17). – Maxillary palpi 4-segmented; HW costal margin relatively straight, and with 2 anal veins ( $A_{1+2}$  and  $A_3$ ); head normal rounded appearance in profile (see also couplet 10) (Autostichinae: Symmocini) . . . . . OECOPHORIDAE
- Maxillary palpi minute, 2-segmented; HW costal margin sinuate, and with 1 apparent anal vein ( $A_{1+2}$ ); head usually with vertex somewhat protruded in profile . . . . . COLEOPHORIDAE
- 19(17). – HW with discal cell closed (may have only a vestigial closure); ocelli usually present; moths often dark . . . . . SCYTHRIDIDAE
- HW with discal cell distinctly open; ocelli always present; moths often white with golden marking on FW . . . . . MOMPIDAE
- 20(14). – Maxillary palpi with 1-2 segments . . . . . 21
- Maxillary palpi 4-segmented (see also couplet 10) . . . . . COSMOPTERIGIDAE
- 21(20). – Antennal scape usually with pecten; ocelli present or absent; HW with  $R_s$  and  $M_1$  stalked, with  $R_s$  extended straight to wing apex; labial palpi various (not with apical segment distinctly flattened); maxillary palpi 1-2-segmented; frons with vertical profile . . . . . ELACHISTIDAE
- Antennal scape without pecten; ocelli always absent; HW with  $R_s$  to costal margin, separate from  $M_1$ ; labial palpi with apical segment flattened; maxillary palpi only 1-segmented; frons

- with oblique profile . . . . AGONOXENIDAE
- 22(2). – Antennae not longer than FW or even subequal, usually considerably shorter than FW; antennal bases not noticeably approximate on head vertex; eyes normal, not noticeably enlarged . . . . 23
- Antennae longer than FW, usually twice as long as FW (males) or subequal (females); antennal bases very close together; eyes distinctly enlarged . . . . . ADELIDAE
- 23(22). – HW with frenulum present (rarely absent); antennae without scape; boring larvae but not gall makers . . . . . 24
- HW with frenulum absent; antennae with scape present; gall making larvae (Neotropical) . . . . . CECIDOSIDAE
- 24(23). – FW with chorda present; labial palpi 3-segmented and upcurved . . . . INCURVARIIDAE
- FW with chorda absent; labial palpi 3-segmented (rarely 2-segmented) and porrect (primarily New World) . . . . . PRODOXIDAE

### Key H. Microlepidoptera with Naked Haustella

1. – HW divided (or cleft) into 2 or more parts (plumes) . . . . . 2
- HW always entire . . . . . 4
- 2(1). – Wings divided into only 2-3 parts . . . . . 3
- Wings multi-divided (may rarely be only cleft a short distance from termens but all inter-vein areas cleft) . . . . . ALUCITIDAE
- 3(2). – HW divided into 2 parts; maxillary palpi 4-segmented (Oriental and Australian) . . . . . OXYCHIROTIDAE
- HW divided into 3 parts (see couplet 40 for entire winged species [Agdistinae and Macropiratinæ]); maxillary palpi 1-segmented - PTEROPHORIDAE
- 4(1). – HW various but not extremely narrow in relation to FW (if small then HW with tails [Chalcosiinae: Zygaenidae]) . . . . . 5
- HW extremely narrow and elongated (Ethiopian and Oriental) (see also couplet 48) . . . . . HIMANTOPTERIDAE
- 5(4). – Abdomen without tympanal organs (rudimentary tympanal organs in Dudgeoneidae, see couplet 27) . . . . . 6
- Abdomen with obvious ventral tympanal organs on first sternite (if haustellum scaled, see also Key G for Pyralidae) (Australian) . . . . . (*Hypsidia*) DREPANIDAE
- 6(5). – FW with  $A_2$  stalked with  $A_1$ , or absent (fused), or FW linear and narrow with reduced venation; labial palpi porrect, upcurved, or drooping . . . . . 7
- FW with  $A_2$  separate from  $A_1$ ; labial palpi porrect only; quadrate winged noctuid-like moths . . . . . HYBLAEIDAE
- 7(6). – Wing venation reduced, especially of HW; wings usually linear and narrow, especially HW; usually minute moths (under 10mm) . . . . . 8
- Wing venation complete (or most veins present); wings may be elongated but not especially linear or narrow . . . . . 18
- 8(7). – Maxillary palpi 5-segmented . . . . . 9
- Maxillary palpi minute (or absent) . . . . . 11
- 9(8). – Head vestiture rough scaled, at least on vertex; antennal scape enlarged to form distinct, ventrally concave eye-cap; foretibia without epiphysis . . . . 10
- Head vestiture smooth-scaled; antennal scape normal (no distinct enlarged eye-cap or pecten); foretibia with epiphysis present (may be minute) (see also couplet 12, 42, and 65) . . . . . (Erechthiinae and Hieroxestinae) TINEIDAE
- 10(9). – Head rough scaled overall; FW with some radial veins stalked; HW with  $R_s$  fused with  $M_1$  and sinuate; minute moths (2-6mm), often with metallic wing marks (rarely whitish) . . NEPTICULIDAE
- Head smooth-scaled except for rough vertex only; FW with all veins unbranched, greatly reduced venation; HW with  $R_s$  and  $M_1$  stalked,  $R_s$  relatively straight; small, usually white moths . . . . . OPOSTEGIDAE
- 11(8). – Maxillary palpi with 3-4 segments . . . . . 12
- Maxillary palpi 1-segmented, minute (may be absent) . . . . . 13
- 12(11). – FW with prominent basal fork on  $A_{1+2}$ ; maxillary palpi 3-segmented (see also couplets 9, 42, and 65) . . . . . (Hieroxestinae) TINEIDAE
- FW without basal fork evident on  $A_{1+2}$ ; maxillary palpi 4-segmented (see also couplet 15) . . . . . GRACILLARIIDAE
- 13(11). – Labial palpi porrect . . . . . 14
- Labial palpi upcurved . . . . . 15
- 14(13). – Ocelli present . . . . . 16
- Ocelli absent . . . . . 67
- 15(13). – FW with  $R_3$ - $R_5$  not stalked; FW apex acute but not attenuated; HW narrow but most veins present . . . . . 17
- FW with  $R_2$ - $R_5$  stalked beyond discal cell; FW apex acute and attenuated; HW venation greatly reduced (only 3-4 veins evident) . . . . . (Phyllocnistinae) GRACILLARIIDAE
- 16(14). – Hindtibia with smooth scales; FW with  $R_5$  and  $M_1$  stalked; FW usually with large scales on termen, appearing as an enlarged end; usually dull, small moths (4-8mm); antennae shorter than FW . . . . . DOUGLASIIDAE
- Hindtibia with whorls of bristles; forewing with  $R_5$  and  $M_1$  free; FW usually somewhat pointed at apex; antennae usually as long as FW; usually brightly colored metallic iridescent moths (4-12mm), often with raised scale tufts on FW . . . . . HELIODINIDAE
- 17(15). – Hindtibia with row of dorsal bristles; FW with  $R_1$  after middle of discal cell (or at middle); FW with  $R_2$  near end of cell and  $R_3$ - $R_5$  from end of discal cell; HW narrow but most veins separate; HW apex acute but not attenuated . . . . . SCHRECKENSTEINIIDAE
- Hindtibia without bristles; FW with  $R_1$  before middle of discal cell; FW with  $R_2$ - $R_5$  from end of discal cell; HW with  $M_1$  and  $M_2$  stalked; HW with apex acute and often attenuated . . . . . ARGYRESTHIIDAE
- 18(7). – FW with forked median vein clearly present in

- discal cell (if unforked, then labial palpi and maxillary palpi vestigial) ..... 19
- FW without clear forked median vein in discal cell (single or vestigial vein may be present; if forked, then barely evident and labial palpi always present) ..... 29
- 19(18). – Labial palpi absent or if present, then small (almost vestigial) and with 1-2 segments or fused; HW in females usually with 6-12 frenular bristles (rarely 3) ..... 20
- Labial palpi always present and 3-segmented (usually not very small; may be 2-segmented); HW in females usually with 3 frenular bristles (if more than 3 then FW basal fork of vein  $A_{1+2}$  extremely long; see couplet 24) ..... 21
- 20(19). – Chaetosemata absent; labial palpi present but small; maxillary palpi absent or reduced (with 1-2 segments); ocelli present or absent; epiphysis present or absent; tibial spurs 0-1-0, 0-1-1, 0-2-2, or 0-2-4 (sometimes absent, 0-0-0); foretibia without large claw (see also couplet 24 and 32) ..... PSYCHIDAE
- Chaetosemata present; labial palpi absent; maxillary palpi absent; ocelli absent; epiphysis absent; tibial spurs absent (0-0-0); sometimes with a large claw on foretibia (or claw absent) (Palearctic) ..... SOMABRACHYIDAE
- 21(19). – Maxillary palpi absent or reduced (with 1-2 segments; rarely 3-segmented) ..... 22
- Maxillary palpi present (with 3-5 segments) ..... 28
- 22(21). – Antennal scape with pecten present ..... 23
- Antennal scape without pecten ..... 24
- 23(22). – FW with radial veins unbranched; HW elongate, oblong, somewhat pointed (see also couplet 65) (Old World tropics) ..... (Comptosieninae) ERIOCOTTIDAE
- FW with  $R_4$  and  $R_5$  stalked; HW broadly rounded (Australian) ..... CYCLOTORNIDAE
- 24(22). – FW with basal fork of  $A_{1+2}$  normal (may be long but not beyond 1/3 length of anal margin, or if  $A_{1+2+3}$  evident, see couplet 27) ..... 25
- FW with basal fork of  $A_{1+2}$  extremely long and prominent (to 3/4 length of anal margin) and  $A_{1+2+3}$  never present (Oriental and Australian) ..... (*Pseudarbela*) PSYCHIDAE
- 25(24). – HW with Sc free from  $R_s$  at base (rarely with vestigial connecting spur vein); FW usually with chorda; labial palpi upcurved or very short, with apical segment of average length; epiphysis usually present; usually gray and mottled moths with elongated wings ..... 26
- HW with Sc fused to  $R_s$  near base (sometimes with small spur vein connecting the veins); FW never with chorda; labial palpi upcurved (sometimes drooping), usually with minute apical segment; epiphysis always absent; often colorful moths, usually with quadrate wings ..... LIMACODIDAE
- 26(25). – FW with radial veins free; small tympanal organs present on abdomen anterior (may only appear to be rudimentary proto-tympanal organs) ... 27
- FW with radial veins stalked to some extent; tympanal organs absent ..... 69
- 27(26). – FW with median vein unforked in discal cell; FW anal vein  $A_{1+2+3}$  clearly present; only what appear to be rudimentary proto-tympanal organs present on abdomen (see also couplets 43 and 52) (Neotropical and Ethiopian) ..... (Pseudocossinae) BRACHODIDAE
- FW with median vein forked in discal cell; FW with  $A_3$  not stalked with  $A_{1+2}$ ; small tympanal organs present on abdomen (Ethiopian and Oriental) ..... DUDGEONEIDAE
- 28(21). – Labial palpi porrect; maxillary palpi 5-segmented (may be 3-segmented) ..... 42
- Labial palpi mostly upcurved (rarely porrect); maxillary palpi 4-segmented (rarely 1-segmented) ..... 66
- 29(18). – Labial palpi absent or vestigial; haustellum absent or vestigial ..... 30
- Labial palpi present, usually prominent (may be short); haustellum usually present ..... 35
- 30(29). – Chaetosemata present; tibial spurs 0-2-2 .. 31
- Chaetosemata absent; tibial spurs various .. 32
- 31(30). – Epiphysis present; HW with upper half of discal cell open; small moths (12-20mm), usually gray and translucent (Palearctic) ..... HETEROGYNIDAE
- Epiphysis absent; HW discal cell closed; relatively small moths (10-30mm), but usually colorful and with many long hair-like scales on body and wing anal margins (New World, mostly Neotropical) ..... MEGALOPYGIDAE
- 32(30). – Moths usually with various colors (if very small and gray or translucent, then antenna small and bipectinate, and tibial spurs absent); ocelli absent; other characters variable but mouthparts reduced; HW in females usually with 3 frenular bristles (if more, then see couplet 56) .... 33
- Moths usually gray or translucent, sometimes hyaline, rarely colorful (e.g., *Cebysa*); wings usually rounded; mouthparts usually absent or reduced; labial palpi often 1-segmented and reduced (rarely 2-segmented and large); antenna usually bipectinate (rarely filiform) and broad; ocelli absent (rarely present); FW with veins usually unbranched (rarely with  $R_4$  and  $R_5$  stalked); HW in females usually with 6-12 frenular bristles (rarely 3); "bagworm moths" (see also couplets 20 and 24) ..... PSYCHIDAE
- 33(32). – Small moths but not minute (usually more than 10mm), usually colorful; FW with  $R_2$  and  $R_3$  (sometimes also  $R_4$  and  $R_5$ ) stalked and to termen (rarely radial veins free) ..... 34
- Small (4-12mm), gray or black moths, rarely with other colors; FW with veins arising separately from discal cell, only  $R_4$  and  $R_5$  to termen ..... EIPYROPIDAE
- 34(33). – FW with  $R_2$ - $R_3$  or  $R_4$ - $R_5$  stalked (sometimes all stalked), but short-stalked (away from discal cell), to termen (rarely free and short); chorda usually present (New World) - DALCERIDAE
- FW with  $R_2$ - $R_4$  stalked but very long-stalked (close to discal cell; more than 1/3 wing length);



- chorda always absent (Ethiopian) . . . . .
- 35(29). – FW with  $R_3$ - $R_5$  stalked . . . . . 36
- FW with radial veins usually free or partially stalked but not with  $R_3$ - $R_5$  stalked together - 37
- 36(35). – FW without chorda; HW with Sc and Rs fused near wing base (or Sc connected to Rs near base by short spur vein); labial palpi with 2-3 segments; maxillary palpi small, with 1-3 segments (or absent); haustellum present or absent . . . . .
- . . . . . LIMACODIDAE
- FW with chorda present; HW with Sc not fused to Rs near wing base; labial palpi only 3-segmented; maxillary palpi and haustellum absent (Ethiopian; Oriental) . . . . . METARBELIDAE
- 37(35). – Labial palpi porrect for total length of palpus . . . . . 38
- Labial palpus upcurved (may have scale tufts to resemble somewhat porrect palpi but at least distal palpal segment not porrect) . . . . . 45
- 38(37). – HW with 1-2 median veins absent or cell appearing open . . . . . 39
- HW with all 3 median veins present . . . . . 41
- 39(38). – HW with CuP absent; FW elongated, pointed, and usually with  $R_3$  and  $R_4$  stalked; HW with Sc approximate to or fused with Rs beyond discal cell (or at least very near to Rs) . . . . . 40
- HW with CuP present; FW elongated but not always especially pointed, and usually with radial veins unbranched ( $R_3$  and  $R_4$  sometimes stalked); HW with Sc divergent from Rs from base and not very close to Rs beyond end of discal cell (see also couplet 58) . . . . .
- . . . . . CARPOSINIDAE
- 40(39). – Maxillary palpi 1-segmented; HW with discal cell appearing open (see also couplet 3) . . . . .
- . . . . . (Agdistinae) PTEROPHORIDAE
- Maxillary palpi 4-segmented; HW discal cell closed (Oriental and Australian) . . . . .
- . . . . . TINEODIDAE
- 41(38). – FW with  $CuA_2$  close to  $CuA_1$  and near end of discal cell; HW with Rs and  $M_1$  free; chaetosemata usually absent . . . . . 43
- FW with  $CuA_2$  distant from  $CuA_1$  and not near end of discal cell (rarely close together); HW with Rs stalked with  $M_1$  or close together at end of cell; chaetosemata usually present (see also couplet 55) . . . . . 68
- 42(28). – HW with  $A_{1+2}$  usually with basal fork; maxillary palpi 5-segmented (may be 3-segmented) (see also couplets 9, 12, and 65); FW not falcate (may be somewhat pointed) . . . . . TINEIDAE
- HW with anal veins as  $A_1$  and  $A_2$  (or  $A_3$ ); maxillary palpi 5-segmented (if 4-segmented, then see couplet 66); most species with FW somewhat falcate or pointed (Neotropical) . . . . .
- . . . . . PALAEPHATIDAE
- 43(41). – Head usually smooth-scaled (rarely rough but never with distinctly bristling hair-like scales on vertex); HW with normal anal field (not greatly expanded); maxillary palpi usually 4-segmented and prominent (rarely with 1-2 segments). . . . . 44
- Head usually very rough-scaled, vertex usually with bristling hair-like scales; HW with noticeably enlarged anal field; maxillary palpi with 1-3 segments (see also couplets 27 and 52) (mostly Palearctic and Australian; also pantropical) . . . . .
- . . . . . BRACHODIDAE
- 44(43). – FW without distinct chorda (may be vestigial), and without pterostigma (see also couplets 53 and 62) (mainly tropical) . . . . .
- . . . . . COPROMORPHIDAE
- FW with chorda present, and usually with pterostigma present . . . . . PLUTELLIDAE
- 45(37). – FW usually not especially narrow, sometimes broad (if appearing narrow, then without specialized wing fold coupling); antenna usually not thickened (if appearing thickened, then usually not coming to a bulging point; if also bulging tip then never with small bristles on tip); wings rarely with hyaline areas . . . . . 46
- FW narrow (often HW also), with specialized wing coupling mechanism (folded FW over HW opposing fold); antenna usually filiform-clavate, thickened to somewhat bulging distally (sometimes slightly pectinate), and usually with small bristles on tip; wings often with hyaline areas (sometimes almost entire FW and HW hyaline); day-flying and usually brightly colored moths . . . . .
- . . . . . SESIIDAE
- 46(45). – FW with chorda usually absent (if present or vestigial, then no chaetosemata) . . . . . 47
- FW with chorda present; chaetosemata present . . . . . 63
- 47(46). – Chaetosemata usually present, often large and prominent; FW with chorda always absent; maxillary palpi with 1-2 segments . . . . . 48
- Chaetosemata absent; FW with chorda present or absent; maxillary palpi variable . . . . . 49
- 48(47). – Ocelli absent; antenna filiform; labial palpi usually with apical segment very short; moths noctuid-like but without tympanal organs; moths usually dull but may be colorful and have hyaline areas on HW (tails absent on HW other than rare broad elongation of wing margins) (see also couplet 62) (pantropical) . . . . . IMMIDAE
- Ocelli usually present (absent in two subfamilies: Anomoeotinae and Phaudinae); labial palpi usually overall small (apical segment not noticeably smaller); antennae usually bipectinate (filiform in females), but may be clavate and have bulging distal ends (see also Key B) but never with bristles on tips; usually colorful moths, sometimes dark or metallic-iridescent (rarely with hyaline areas on wings), or occasionally with tails on HW- ZYGAENIDAE
- 49(47). – Ocelli present (if absent, then small gray-metallic moths, 8-12mm; see couplet 55) . . . . . 50
- Ocelli absent . . . . . 56
- 50(49). – Head vertex extremely rough-scaled . . . . . 51
- Head vertex smooth-scaled or only slightly roughened (scales curved over vertex but not erect) . . . . . 52
- 51(50). – Maxillary palpi 5-segmented; antenna usually

- not long; labial palpi segments usually subequal or with apical segment shortest (see also couplets 9, 12, and 28) ..... 65
- Maxillary palpi 2-segmented; antennae rather long; labial palpi with middle segment longest and distinctly longer than other segments (Palearctic; introduced into Nearctic) ..... OCHSENHEIMERIIDAE
- 52(50). – HW with normal anal field; FW with normal basal fork on  $A_{1+2}$  (1/3 or less of length of discal cell) ..... 53
- HW with enlarged anal field; FW with exceptionally long basal fork on  $A_{1+2}$  (1/3 to 1/2 length of discal cell) (see also couplets 27 and 43) (panropical, mostly Neotropical) ..... (Phycodinae) BRACHODIDAE
- 53(52). – FW with chorda present, and usually with pterostigma ..... 54
- FW chorda absent (or vestigial), and without pterostigma (see also couplet 44 and 62) (mostly pantropical) ..... COPROMORPHIDAE
- 54(53). – HW with  $CuA_2$  usually distant from  $CuA_1$  (if  $CuA_2$  close to  $CuA_1$ , then labial palpi not distinctly flattened dorso-ventrally), and all median veins present; maxillary palpi small, with 1-2 segments; brightly colored or dull moths 55
- HW with  $CuA_2$  close to  $CuA_1$ , and usually with all median veins present (rarely with  $M_2$  absent); labial palpi usually with apical segment distinctly flattened dorso-ventrally; maxillary palpi with 2-4 segments; usually colorful moths (rarely tan colored), with metallic marks or white crescent on FW (day-flying moths) ..... GLYPHIPTERIGIDAE
- 55(54). – Wings usually quadrate; FW with  $CuA_2$  distant from  $CuA_1$ , not near end of discal cell; often very colorful moths and day-flying (see also couplet 41) (panropical, entering Palearctic and Nearctic) ... (Chlidanotinae) TORTRICIDAE
- Wings elongated, not distinctly quadrate; FW with  $CuA_2$  close to  $CuA_1$  near end of discal cell; mostly dull moths (rarely silvery iridescent) (see also couplet 64) (Holarctic, but mostly Neotropical) ... (Galacticinae) URODIDAE
- 56(49). – Wings usually rather oblong or narrow; FW usually with no median vein in discal cell (may be vestigial); mouthparts evident; maxillary palpi present; antennae usually filiform; HW in females with 3 frenular bristles ..... 57
- Wings usually very broad; FW with distinct median vein in discal cell; mouthparts often reduced; maxillary palpi absent (or vestigial); antennae usually bipectinate (but may be filiform, pectinate or serrate); HW in females with 6-12 frenular bristles (mostly Neotropical, but also Oriental (Taiwan) and Australian) ..... ARRHENOPHANIDAE
- 57(56). – Antennae not longer than FW; eyes never divided; labial palpi of average length (sometimes long but not remarkably long); hindtibiae variable but usually not with especially long flattened hair-like scales ... 58
- Antennae longer than FW; eyes in males usually divided into 2 lobes, connected fronto-laterally (may be undivided in some males; undivided in all females); labial palpi noticeably long and recurved (Gelechioid-like); hindtibiae with long, flattened hair-like scales (mostly Oriental and Australian; Neotropical?) - AMPHITHERIDAE
- 58(57). – HW with all median veins present ..... 59
- HW with only one median vein present (see also couplet 39) ..... CARPOSINIDAE
- 59(58). – FW without a tuft of scales along anal margin; hindtibiae without dorsal row of erect bristles; HW not especially narrow, and with 2 apparent anal veins usually evident ( $A_{1+2}$  and  $A_3$ ); maxillary palpi usually with 1-2 segments (may be 4-segmented); ..... 60
- FW usually with tuft of scales mid-wing along anal margin (sometimes FW somewhat falcate in appearance); hindtibiae with dorsal row of erect bristles; HW rather narrow, and usually with reduced anal veins (only small  $A_{1+2}$  evident); maxillary palpi 3-segmented ..... EPERMENIIDAE
- 60(59). – HW with median veins free (if stalked, then only  $Rs+M_1$ ), and often one median vein absent; chaetosemata usually absent (may be present); maxillary palpi usually small (1-2-segmented), and usually not clearly visible (rarely 4-segmented) ..... 61
- HW with  $M_1$  and  $M_2$  stalked; chaetosemata always present; maxillary palpi with 3 segments (Holarctic, Neotropical, and Oriental [Taiwan]) ..... ACROLEPIIDAE
- 61(60). – Antennal scape without pecten; ocelli usually absent (sometimes present); FW with chorda absent (rarely vestigial); usually noctuid-like moths, often with scale tufts on FW; abdomen without dorsal spination [dissection needed] (mostly pantropical) ..... 62
- Antennal scape with pecten present; ocelli absent; FW with chorda present (if chorda absent, then small moths (*Zelleria* sp.)); mostly light-colored and spotted moths, or dull, rarely colorful; abdomen with dorsal spination [dissection needed] (primarily Holarctic) ... YPONOMEUTIDAE
- 62(61). – FW with  $R_3+R_4$  stalked; usually dull moths, often with scale tufts on FW; chaetosemata always absent (see also couplets 44 and 53) (primarily pantropical) ..... COPROMORPHIDAE
- FW with  $R_4+R_5$  stalked; usually dull moths, sometimes colorful; FW never with scale tufts evident; chaetosemata usually present (sometimes absent) (see also couplet 48) (panropical) ..... IMMIDAE
- 63(46). – Foretibiae with epiphysis present ..... 64
- Foretibiae epiphysis absent (mostly pantropical, but also southern Nearctic) ... LACTURIDAE
- 64(63). – FW usually elongated and noticeably narrow in relation to length; FW with pterostigma present; usually colorful moths, often with spotted FW

- (mostly pantropical, but also Nearctic) . . . . .  
 . . . . . ATTEVIDAE
- 65(51). – FW elongated but not markedly narrow in relation to length; FW with pterostigma absent; usually dull gray moths and mostly unicolorous (see also couplet 55) (especially New World, mostly Neotropical) - (Urodinae) URODIDAE
- 65(51). – Labial palpi large and recurved (females tend to have shorter or smaller palpi but still upcurved); usually larger robust moths (10-50+mm, averaging ca. 20mm) and usually with FW termen appearing somewhat truncated, somewhat noctuid-like (body large in relation to wing length) or tortricid-like in smaller species; extremely prominent hair-like scales over head vertex and thorax; females tend to be larger than males of any one species; HW of females with 5+ frenular bristles; rudimentary furcal bridge (tendons) on metafurcasternum of metathorax [dissection needed]; moths tend to be dull gray or brownish, with few species having distinct white or other markings (New World, mostly Neotropical) . . . . . ACROLOPHIDAE
- Labial palpi usually distinctly porrect; usually smaller moths (4-45mm, averaging ca. 10mm), usually with dense hair-like scales on head vertex, but not extensive hair-like scales on thorax; HW in females normally with 2-3 frenular bristles (5 bristles only in smooth-headed *Opogona* sp.; see couplet 9); furcal bridge incomplete on metafurcasternum of metathorax [dissection needed]; many species dull colored but often with prominent markings of white or other colors (see also couplets 9, 12, and 42) . . . . . TINEIDAE
- 66(28). – FW with  $R_5$  to termen; labial palpi upcurved; antennal scape with pecten absent (sometimes present); maxillary palpi 4-segmented (may be 1-segmented) (see also couplet 23) (Palearctic, Oriental, and Australian) . . ERIOCOTTIDAE
- FW with  $R_5$  to costal margin; labial palpi porrect; antennal scape with pecten present; maxillary palpi only 4-segmented (if 5-segmented, see couplet 42) (Neotropical) . . . . . (Sesommata) PALAEPHATIDAE
- 67(14). – FW with Sc nearer to mid-wing than base; FW with basal fork evident on  $A_{1+2}$ ; antennal scape usually forming distinct eye-cap; chaetosemata absent; cocoons simple (not as ribbed cases) . . . . . LYONETIIDAE
- FW with Sc nearer to base than mid-wing; FW without basal fork evident on  $A_{1+2}$ ; antennal scape with large eye-cap; chaetosemata usually absent (rarely present); cocoons as ribbed flat cases . . . . . BUCCULATRICIDAE
- 68(41). – Labial palpi upturned; discal cell in both FW and HW usually open; ocelli usually absent; chaetosemata absent; FW chorda absent; antennae mostly filiform but can be dentate, pectinate or bipectinate (see Key E for large species) . . . . . THYRIDIDAE
- Labial palpi porrect (or mostly so); discal cell almost always closed in FW and HW; ocelli usually present; chaetosemata usually present; FW chorda usually present; antennae always filiform . . . . . TORTRICIDAE
- 69(26). – Labial palpi (usually rather upcurved) with average 2nd segment; hindwings with radial sector as a single vein ( $R_s$ ) from end of discal cell; female genitalia ditrysian . . COSSIDAE
- Labial palpi (rather porrect) with extremely elongated 2nd segment; hindwing radial sector 2-branched ( $R_{s1}$  and  $R_{s2}$ ) from end of discal cell; female genitalia monotrysian (only southern South American) . . . . . ANDESIANIDAE

## GENERIC SYNOPSIS OF FLORIDA LEPIDOPTERA

The following table is a summary of the species totals recorded in Florida for each higher taxon, followed by a more detailed generic summary.

|                                 |     |       |
|---------------------------------|-----|-------|
| <b>LEPIDOPTERA</b>              |     | 2,941 |
| Suborder <b>GLOSSATA</b>        |     | 2,941 |
| Cohort <b>DACNONYPHA</b>        |     | 2     |
| Infraorder <b>DACNONYPHA</b>    |     | 2     |
| <b>ERIOCRANIOIDEA</b>           | 2   |       |
| ERIOCRANIIDAE                   | 2   |       |
| Cohort <b>MYOGLOSSATA</b>       |     | 2939  |
| Subcohort <b>NEOLEPIDOPTERA</b> |     | 2939  |
| Infraorder <b>HETERONEURA</b>   |     | 2939  |
| Division <b>MONOTRYZIA</b>      |     | 43    |
| Section <b>NEPTICULINA</b>      |     | 34    |
| <b>NEPTICULOIDEA</b>            | 27  |       |
| NEPTICULIDAE                    | 23  |       |
| OPOSTEGIDAE                     | 4   |       |
| <b>TISCHERIOIDEA</b>            | 7   |       |
| TISCHERIIDAE                    | 7   |       |
| Section <b>INCURVARIINA</b>     |     | 9     |
| <b>INCURVARIOIDEA</b>           | 9   |       |
| PRODOXIDAE                      | 4   |       |
| ADELIDAE                        | 1   |       |
| HELIOZELIDAE                    | 4   |       |
| Division <b>DITRYZIA</b>        |     | 2896  |
| Section <b>TINEINA</b>          |     | 1178  |
| Subsection <b>TINEINA</b>       |     | 1114  |
| <b>TINEOIDEA</b>                | 138 |       |
| Series <b>TINEIFORMES</b>       | 74  |       |
| ACROLOPHIDAE                    | 21  |       |
| TINEIDAE                        | 43  |       |
| PSYCHIDAE                       | 10  |       |

|                                 |      |
|---------------------------------|------|
| Series <b>GRACILLARIIFORMES</b> | 64   |
| BUCCULATRICIDAE                 | 11   |
| GRACILLARIIDAE                  | 53   |
| <b>GELECHIOIDEA</b>             | 305  |
| OECOPHORIDAE                    | 43   |
| ELACHISTIDAE                    | 8    |
| BLASTOBASIDAE                   | 30   |
| COLEOPHORIDAE                   | 14   |
| MOMPHIDAE                       | 8    |
| COSMOPTERIGIDAE                 | 56   |
| SCYTHRIDIDAE                    | 6    |
| GELECHIIDAE                     | 140  |
| <b>COPROMORPHOIDEA</b>          | 6    |
| ALUCITIDAE                      | 2    |
| CARPOSINIDAE                    | 3    |
| EPERMENIIDAE                    | 1    |
| <b>YPONOMEUTOIDEA</b>           | 37   |
| GLYPHIPTERIGIDAE                | 12   |
| PLUTELLIDAE                     | 2    |
| ATTEVIDAE                       | 1    |
| YPONOMEUTIDAE                   | 5    |
| ARGYRESTHIIDAE                  | 4    |
| LYONETHIDAE                     | 7    |
| ACROLEPIIDAE                    | 1    |
| HELIODINIDAE                    | 5    |
| <b>PYRALOIDEA</b>               | 597  |
| HYBLAEIDAE                      | 1    |
| THYRIDIDAE                      | 10   |
| PYRALIDAE                       | 586  |
| <b>PTEROPHOROIDEA</b>           | 31   |
| PTEROPHORIDAE                   | 31   |
| Subsection <b>SESIINA</b>       | 64   |
| <b>SESIOIDEA</b>                | 52   |
| SESIIDAE                        | 41   |
| URODIDAE                        | 2    |
| CHOREUTIDAE                     | 9    |
| <b>ZYGAENOIDEA</b>              | 12   |
| ZYGAENIDAE                      | 5    |
| LACTURIDAE                      | 2    |
| MEGALOPYGIDAE                   | 5    |
| Section <b>COSSINA</b>          | 1718 |
| Subsection <b>COSSINA</b>       | 291  |

|                               |     |      |
|-------------------------------|-----|------|
| <b>COSSOIDEA</b>              |     | 34   |
| Series <b>COSSIFORMES</b>     |     | 7    |
| COSSIDAE                      | 7   |      |
| Series <b>LIMACODIFORMES</b>  |     | 27   |
| LIMACODIDAE                   | 26  |      |
| EPIPYROPIDAE                  | 1   |      |
| <b>TORTRICOIDEA</b>           |     | 257  |
| TORTRICIDAE                   | 257 |      |
| Subsection <b>BOMBYCINA</b>   |     | 1427 |
| <b>URANIOIDEA</b>             |     | 8    |
| EPIPLEMIDAE                   | 8   |      |
| <b>GEOMETROIDEA</b>           |     | 254  |
| GEOMETRIDAE                   | 254 |      |
| <b>PAPILIONOIDEA</b>          |     | 189  |
| Series <b>HESPERIIFORMES</b>  |     | 73   |
| HESPERIIDAE                   | 73  |      |
| Series <b>PAPILIONIFORMES</b> |     | 116  |
| PAPILIONIDAE                  | 11  |      |
| PIERIDAE                      | 23  |      |
| LYCAENIDAE                    | 33  |      |
| RIODINIDAE                    | 1   |      |
| LIBYTHEIDAE                   | 1   |      |
| NYMPHALIDAE                   | 47  |      |
| <b>DREPANOIDEA</b>            |     | 3    |
| THYATIRIDAE                   | 1   |      |
| DREPANIDAE                    | 2   |      |
| <b>BOMBYCOIDEA</b>            |     | 30   |
| Series <b>BOMBYCIFORMES</b>   |     | 12   |
| MIMALLONIDAE                  | 2   |      |
| APATELODIDAE                  | 2   |      |
| LASIOCAMPIDAE                 | 8   |      |
| Series <b>SATURNIIFORMES</b>  |     | 18   |
| SATURNIIDAE                   | 18  |      |
| <b>SPHINGOIDEA</b>            |     | 69   |
| SPHINGIDAE                    | 69  |      |
| <b>NOCTUOIDEA</b>             |     | 874  |
| NOTODONTIDAE                  | 52  |      |
| LYMANTRIIDAE                  | 13  |      |
| ARCTIIDAE                     | 69  |      |
| NOCTUIDAE                     | 740 |      |

**LEPIDOPTERA (2941)**Suborder **GLOSSATA (2941)**Cohort **DACNONYPHA (2)**Infraorder **DACNONYPHA (2)****ERIOCRANIOIDEA (2)****ERIOCRANIIDAE (2)**DYSERIOCRANIA Spuler, 1910 - **1**ERIOCRANIELLA Viette, 1949 - **1**

Subgenus DISFURCULA Davis, 1978

Cohort **MYOGLOSSATA (2939)**Subcohort **NEOLEPIDOPTERA (2939)**Infraorder **HETERONEURA (2939)**Division **MONOTRYZIA (43)**Section **NEPTICULINA (34)****NEPTICULOIDEA (27)****NEPTICULIDAE (23)**ECTOEDEMA Busck, 1907 - **9**STIGMELLA Schrank, 1802 - **9**ACALYPTRIS Meyrick, 1921 - **3**ENTEUCHA Meyrick, 1915 - **2****OPOSTEGIDAE (4)**PSEUDOPOSTEGA Koslov, 1985 - **3**OPOSTEGOIDES Koslov, 1985 - **1****TISCHERIOIDEA (7)****TISCHERIIDAE (7)**TISCHERIA Zeller, 1839 - **7**Section **INCURVARIINA (9)****INCURVARIOIDEA (9)****PRODOXIDAE (4)**TEGETICULA Zeller, 1873 - **3**PRODOXUS Riley, 1880 - **1****ADELIDAE (1)**ADELA Latreille, 1796 - **1****HELIOZELIDAE (4)**ANTISPILA Hübner, [1825] - **2**COPTODISCA Walsingham, 1895 - **2**Division **DITRYZIA (2896)**Section **TINEINA (1178)**Subsection **TINEINA (1114)****TINEOIDEA (138)**Series **TINEIFORMES (74)****ACROLOPHIDAE (21)****AMYDRIINAE (3)**AMYDRIA Clemens, 1859 - **3****ACROLOPHINAE (18)**ACROLOPHUS Poey, 1832 - **18****TINEIDAE (43)****NEMAPOGONINAE (5)**NEMAPOGON Schrank, 1802 - **5****MEESSIINAE (8)**DIACHORISIA Clemens, 1860 - **1**HOMOSETIA Clemens, 1863 - **3**ISOCORYPHA Dietz, 1905 - **1**HYBROMA Clemens, 1862 - **1**HOMOSTINEA Dietz, 1905 - **1**POMPOSTOLELLA Fletcher, 1940 - **1****ERECHTHIINAE (2)**ERECHTHIAS Meyrick, 1880 - **2****SCARDIINAE (9)**MEA Busck, 1906 - **2**CHOROPLECA Durrant, 1914 - **1**SCARDIELLA Robinson, 1986 - **1**SCARDIA Treitschke, 1830 - **1**DIATAGA Walsingham, 1914 - **1**XYLESTHIA Clemens, 1859 - **1**CEPHITINEA Zagulajev, 1964 - **1**EPISCARDIA Ragonot, 1895 - **1****TINEINAE (13)**PHEREOECA Hinton & Bradley, 1956 - **1**TINEA Linnaeus, 1758 - **5**NIDITINEA Petersen, 1957 - **1**CERATOPHAGA Petersen, 1957 - **1**MONOPIS Hübner, [1825] - **1**ECCRITOTHRIX Bradley & Hinton, 1956 - **1**PRAEACEDES Amsel, 1954 - **1**TINEOLA Herrich-Schäffer, 1853 - **1**XYSTROLOGA Meyrick, 1919 - **1****SETOMORPHINAE (1)**SETOMORPHA Zeller, 1852 - **1****HIEROXESTINAE (4)**PHAEOSSES Forbes, 1922 - **1**OPOGONA Zeller, 1853 - **3****PSYCHIDAE (10)****PENESTOGLOSSINAE (1)**KEARFOTTIA Fernald, 1904 - **1****PSYCHINAE (7)**PROCHALIA Barnes & McDunnough, 1913 - **1**ZAMOPSYCHE Dyar, 1923 - **1**CRYPTOTHELEA Duncan, 1841 - **2**ASTALA Davis, 1964 - **1**BASICLADUS Davis, 1964 - **2****OIKETICINAE (2)**OIKETICUS Guilding, 1827 - **1**THYRIDOPTERYX Stephens, 1835 - **1**

Series **GRACILLARIIFORMES** (64)**BUCCULATRICIDAE** (11)

BUCCULATRIX Zeller, 1839 - 11

**GRACILLARIIDAE** (53)**GRACILLARIINAE** (29)

CALOPTILIA Hübner, [1825] - 13

PARECTOPA Clemens, 1860 - 1

NEUROLIPA Ely, 1918 - 1

NEUROBATHRA Ely, 1918 - 2

PARORNIX Spuler, 1910 - 1

CHILOCAMPYLA Busck, 1900 - 1

ACROCERCOPS Wallengren, 1881 - 4

METRIOCHROA Busck, 1900 - 1

LEUCANTHIZA Clemens, 1859 - 2

MARMARA Clemens, 1863 - 3

**LITHOCOLLETINAE** (16)

CREMASTOBOMBYCIA Braun, 1908 - 2

PHYLLONORYCTER Hübner, 1822 - 7

CAMERARIA Chapman, 1902 - 6

PORPHYROSELA Braun, 1908 - 1

**PHYLLOCNISTINAE** (8)

PHYLLOCNISTIS Zeller, 1848 - 8

**GELECHIOIDEA** (305)**OECOPHORIDAE** (43)**DEPRESSARIINAE** (9)**DEPRESSARIINI** (5)

AGONOPTERIX Hübner, [1825] - 4

DEPRESSARIA Haworth, [1811] - 1

**AMPHISBATINI** (4)

EUPRAGIA Walsingham, 1911 - 1

PSILOCORIS Clemens, 1860 - 3

**ETHMIINAE** (10)

ETHMIA Hübner, [1819] - 10

**PELEOPODINAE** (1)

PSEUDEROTIS Clarke, 1956 - 1

**AUTOSTICHINAE** (1)

AUTOSTICHA Meyrick, 1886 - 1

**STENOMATINAE** (13)

ANTAEOTRICHIA Zeller, 1854 - 7

RECTIOSTOMA Becker, 1982 - 1

MENESTOMORPHA Walsingham, 1907 - 2

MENESTA Clemens, 1860 - 2

GONioterma Walsingham, 1897 - 1

**OECOPHORINAE** (10)**OECOPHORINI** (8)

INGA Busck, 1908 - 2

DECANTHA Busck, 1908 - 2

CALLIMA Clemens, 1860 - 2

MARTYRINGA Busck, 1902 - 1

EIDO Chambers, 1873 - 1

**STATHMOPODINI** (2)

STATHMOPODA Herrich-Schäffer, 1853 - 1

IDIOGLOSSA Walsingham, 1881 - 1

**ELACHISTIDAE** (8)**ELACHISTINAE** (8)

ELACHISTA Treitschke, 1833 - 3

BISELACHISTA Traugott-Olsen &amp; Nielsen, 1977 - 2

DICRANOCTETES Braun, 1918 - 3

**BLASTOBASIDAE** (30)**SYMMOCINAE** (9)**OEGOCONINI** (1)

SCEPTEA Walsingham, 1891 - 1

**GLYPHIDOCERINI** (8)

GLYPHIDOCERA Walsingham, 1892 - 7

GERDANA Busck, 1908 - 1

**BLASTOBASINAE** (21)**HOLCOCERINI** (10)

HOLCOCERA Clemens, 1863 - 5

CALOSIMA Dietz, 1910 - 5

**BLASTOBASINI** (9)

BLASTOBASIS Zeller, 1855 - 5

HYPATOPA Walsingham, 1907 - 4

**PIGRITIINI** (2)

PIGRITIA Clemens, 1860 - 2

**COLEOPHORIDAE** (14)**COLEOPHORINAE** (5)

COLEOPHORA Hübner, 1822 - 5

**BATRACHEDRINAE** (9)

BATRACHEDRA Herrich-Schäffer, 1853 - 5

DUOSPINA Hodges, 1966 - 1

HOMALEDRA Busck, 1900 - 3

**MOMPHIDAE** (8)

MOMPHA Hübner, [1825] - 8

**COSMOPTERIGIDAE** (56)**ANTEQUERINAE** (1)

EUCLEMENSIA Grote, 1878 - 1

**COSMOPTERIGINAE** (30)

COSMOPTERIX Hübner, [1825] - 16

PEBOPS Hodges, 1978 - 1

TANYGONA Braun, 1923 - 1

ERALEA Hodges, 1962 - 2

MELANOCINCLIS Hodges, 1962 - 3

STAGMATOPHORA Herrich-Schäffer, 1853 - 1

PYRODERCES Herrich-Schäffer, 1853 - 3

LIMNAECIA Stainton, 1851 - 1

TRICLONELLA Busck, 1901 - 2

**CHRYSOPELEIINAE** (25)

PERIPLOCA Braun, 1919 - 5

SISKIWITIA Hodges, 1969 - 1

STILBOSIS Clemens, 1860 - 3

WALSHIA Clemens, 1864 - 6

NEPOTULA Hodges, 1964 - 1

AFEDA Hodges, 1978 - 1

PERIMEDE Chambers, 1874 - 2

ITHOME Chambers, 1875 - 6



**SCYTHRIDIDAE (6)**

AROTRURA Walsingham, 1888 - 1  
 SCYTHRIS Hübner, [1825] - 4  
 RHAMPHURA J. Landry, 1991 - 1

**GELECHIIDAE (140)****GELECHIIINAE (77)****ANOMOLOGINI (7)**

NEALYDA Dietz, 1900 - 3  
 METZNERIA Zeller, 1839 - 1  
 ISOPHRICHTIS Meyrick, 1917 - 1  
 MONOCHROA Heinemann, 1870 - 1  
 THEISOA Chambers, 1874 - 1

**GELECHIIINI (70)**

ARISTOTELIA Hübner, [1825] - 6  
 GLAUCE Chambers, 1875 - 1  
 NAERA Chambers, 1875 - 1  
 EVIPPE Chambers, 1873 - 2  
 RECURVARIA Haworth, 1828 - 1  
 COLEOTECHNITES Chambers, 1880 - 4  
 SINOE Chambers, 1873 - 1  
 EXOTELEIA Wallengren, 1881 - 1  
 TRYPANISMA Clemens, 1860 - 1  
 BESCIVA Busck, 1914 - 1  
 TAYGETE Chambers, 1873 - 1  
 AROGALEA Walsingham, 1910 - 1  
 TELPHUSA Chambers, 1872 - 2  
 PSEUDOCHELARIA Dietz, 1900 - 1  
 PSEUDOTELPHUSA Janse, 1958 - 1  
 DELTOPHORA Janse, 1950 - 2  
 GNORIMOSCHEMA Busck, 1900 - 5  
 PHTHORIMAEA Meyrick, 1902 - 1  
 SYMMETRISCHEMA Povolný, 1967 - 2  
 KEIFERIA Busck, 1939 - 1  
 TILDENIA Povolný, 1967 - 2  
 FRUMENTA Busck, 1939 - 1  
 CHIONODES Hübner, [1825] - 20  
 FILATIMA Busck, 1939 - 1  
 AROGA Busck, 1914 - 3  
 FASCISTA Busck, 1939 - 3  
 STEGASTA Meyrick, 1904 - 2  
 POLYHYMNOS Chambers, 1874 - 1  
 YMELDIA Hodges, 1965 - 1

**PEXICOPIINAE (20)****ANACAMPSINI (15)**

SYNCOPACMA Meyrick, 1925 - 1  
 UNTOMIA Busck, 1906 - 2  
 BATTARISTIS Meyrick, 1914 - 2  
 ANACAMPSIS Curtis, 1827 - 8  
 STROBISIA Clemens, 1860 - 1  
 HOLOPHYSIS Walsingham, 1910 - 1

**CHELARIINI (5)**

PROSTOMEUS Busck, 1903 - 2  
 ANARSIA Zeller, 1839 - 1  
 SITOTROGA Heinemann, 1870 - 1  
 PECTINOPHORA Busck, 1917 - 1

**DICHOMERIDINAE (43)**

HELCYSTOGRAMMA Zeller, 1877 - 4  
 BRACHYACMA Meyrick, 1886 - 1

DICHOMERIS Hübner, 1818 - 38

**COPROMORPHOIDEA (6)****ALUCITIDAE (2)**

ALUCITA Linnaeus, 1758 - 2

**CARPOSINIDAE (3)**

CARPOSINA Herrich-Schäffer, 1855 - 3

**EPERMENIIDAE (1)****OCHROMOLOPINAE (1)**

PAROCHROMOLOPIS Gaedike, 1977 - 1

**YPONOMEUTOIDEA (37)****GLYPHIPTERIGIDAE (12)****GLYPHIPTERIGINAE (12)**

ABRENTIA Busck, 1915 - 1  
 NEOMACHLOTICA Heppner, 1981 - 1  
 DRYMOANA Heppner, 1985 - 1  
 GLYPHIPTERIX Hübner, [1825] - 1  
 DIPLOSCHIZIA Heppner, 1981 - 8

**PLUTELLIDAE (2)****PLUTELLINAE (2)**

PLUTELLA Schrank, 1802 - 2

**ATTEVIDAE (1)**

ATTEVA Walker, 1854 - 1

**YPONOMEUTIDAE (5)****YPONOMEUTINAE (5)**

EUCATAGMA Busck, 1901 - 1  
 PODIASA Busck, 1900 - 1  
 YPONOMEUTA Latreille, 1796 - 2  
 ZELLERIA Stainton, 1849 - 1

**ARGYRESTHIIDAE (4)**

ARGYRESTHIA Hübner, [1825] - 4

**LYONETHIDAE (7)****BEDELLIINAE (4)**

EUPRORA Busck, 1906 - 1  
 PHILONOME Chambers, 1874 - 1  
 BEDELLIA Stainton, 1849 - 2

**CEMIOSTOMINAE (3)**

PROLEUCOPTERA Busck, 1902 - 1  
 LEUCOPTERA Hübner, [1825] - 2

**ACROLEPIIDAE (1)**

ACROLEPIOPSIS Gaedike, 1970 - 1

**HELIODINIDAE (5)**

CYCLOPLASIS Clemens, 1864 - 1  
 SCELOORTHUS Busck, 1900 - 1  
 LAMPROLOPHUS Busck, 1900 - 1

HELIODINES Stainton, 1854 - 2

## **PYRALOIDEA (597)**

### **HYBLAEIDAE (1)**

HYBLAEA Fabricius, 1793 - 1

## **THYRIDIDAE (10)**

### **THYRIDINAE (6)**

THYRIS Laspeyres, 1803 - 1

PSEUDOTHYRIS Thiele, 1986 - 1

DYSODIA Clemens, 1860 - 3

HEXERIS Grote, 1875 - 1

### **SICULODINAE (2)**

RHODONEURA Guenée, [1858] - 1

MESKEA Grote, 1877 - 1

### **STRIGLININAE (2)**

BANISIA Walker, 1864 - 2

## **PYRALIDAE (586)**

### **Group CRAMBININA (364)**

#### **SCOPARIINAE (5)**

SCOPARIA Haworth, [1811] - 3

EUDONIA Billberg, 1820 - 2

#### **MUSOTIMINAE (3)**

UNDULAMBIA Lange, 1956 - 3

#### **NYMPHULINAE (29)**

##### **NYMPHULINI (21)**

NEOCATACLYSTA Lange, 1956 - 1

CHRYSENDETON Grote, 1881 - 4

MUNROESSA Lange, 1956 - 4

CONTIGER Lange, 1956 - 1

NYMPHULIELLA Lange, 1956 - 1

SYNCLITA Lederer, 1863 - 2

LANGESSA Munroe, 1972 - 1

PARAPOYNX Hübner, [1825] - 7

##### **ARGYRACTINI (8)**

NEARGYRACTIS Lange, 1956 - 2

ARGYRACTIS Hampson, 1897 - 1

PETROPHILA Guilding, 1830 - 2

EOPARARGYRACTIS Lange, 1956 - 3

##### **DICHOGAMINAE (4)**

(now Dichogamini, in Glaphyriinae)

DICHOGAMA Lederer, 1863 - 2

ALATUNCUSIA Amsel, 1956 - 1

EUSTIXIA Hübner, [1823] - 1

##### **ODONTIINAE (3)**

MICROTHERIS Meyrick, 1932 - 1

ENDOLOPHIA Hampson, 1899 - 1

MIMOSCHINIA Warren, 1892 - 1

##### **GLAPHYRIINAE (21)**

HELLULA Guenée, 1854 - 3

STEGEA Munroe, 1964 - 1

GLAPHYRIA Hübner, [1823] - 5

AETHIOPHYSA Munroe, 1964 - 2

XANTHOPHYSA Munroe, 1964 - 1

PLUMEGESTA Munroe, 1972 - 1

LIPOCOSMA Lederer, 1863 - 3

LIPOCOSMODES Munroe, 1964 - 1

DICYMOLOMIA Zeller, 1872 - 3

CHALCOELA Zeller, 1872 - 1

### **EVERGESTINAE (4)**

EVERGESTIS Hübner, [1825] - 2

EVERGESTELLA Munroe, 1974 - 1

TRISCHISTOGNATHA Warren, 1892 - 1

### **PYRAUSTINAE (50)**

NASCIA Curtis, 1835 - 1

EPICORSIA Hübner, [1818] - 1

PSEUDOPYRAUSTA Amsel, 1956 - 1

OENOBOTYS Munroe, 1976 - 1

TRIUNCIDIA Munroe, 1976 - 1

CROCIDOPHORA Lederer, 1863 - 2

OSTRINIA Hübner, [1825] - 3

FUMIBOTYS Monroe, 1976 - 1

PERISPASTA Zeller, 1875 - 1

PHLYCTAENIA Hübner, [1825] - 2

NEALGEDONIA Monroe, 1976 - 1

ANANIA Hübner, [1823] - 1

HAHNCAPPSIA Monroe, 1976 - 3

ACHYRA Guenée, 1849 - 2

NEOHELVIBOTYS Munroe, 1976 - 2

HELVIBOTYS Munroe, 1976 - 1

SITOCROA Hübner, [1825] - 1

SERICOPLAGA Warren, 1892 - 1

URESIPHITA Hübner, [1825] - 1

LOXOSTEGE Hübner, [1825] - 1

PYRAUSTA Schrank, 1802 - 19

HYALORISTA Warren, 1892 - 1

PORTENTOMORPHA Amsel, 1956 - 1

GONOCAUSTA Lederer, 1863 - 1

### **SPILOMELINAE (135)**

UDEA Guenée, 1845 - 1

NEOLEUCINODES Capps, 1958 - 1

LINEODES Guenée, 1854 - 4

ATOMOPTERYX Walsingham, 1891 - 1

ERCTA Walker, 1859 - 1

DIAPHANTANIA Möschler, 1890 - 1

LOXOSTEGOPSIS Dyar, 1917 - 1

SUFETULA Walker, 1859 - 1

MICROPHYSETICA Hampson, 1907 - 1

EURRHYPARODES Snellen, 1880 - 1

DEUTEROPHYSA Warren, 1889 - 1

GESHNA Dyar, 1906 - 1

HYDRIRIS Meyrick, 1885 - 1

MECYNA Doubleday, 1849 - 1

MIMORISTA Warren, 1890 - 1

DIACME Warren, 1892 - 4

EPIPAGIS Hübner, [1825] - 2

NIPHOGRAPTA Warren, 1892 - 1

SAMEA Guenée, 1854 - 3

CROCIDOCNEMIS Warren, 1889 - 1

LOXOMORPHA Amsel, 1956 - 2

NOMOPHILA Hübner, [1825] - 1

RHECTOCRASPEDA Warren, 1892 - 1

MARUCA Walker, 1859 - 1

ATEGUMIA Amsel, 1956 - 1

DESMIA Westwood, 1831 - 8

HYMENIA Hübner, [1825] - 1

SPOLADEA Guenée, 1854 - 1

DIASEMIOPSIS Munroe, 1957 - 1

DIASEMIODES Munroe, 1957 - **2**  
 DIATHRAUSTA Lederer, 1863 - **2**  
 ANAGESHNA Munroe, 1956 - **1**  
 APOGESHNA Munroe, 1956 - **1**  
 STENIODES Snellen, 1875 - **2**  
 PENESTOLA Möschler, 1890 - **2**  
 BLEPHAROMASTIX Lederer, 1863 - **3**  
 HILEITHIA Snellen, 1875 - **3**  
 SYSRACERA Möschler, 1890 - **2**  
 EULEPTE Hübner, [1825] - **1**  
 SYNCLERA Lederer, 1863 - **1**  
 GLYPHODES Guenée, 1854 - **3**  
 COLOMYCHUS Munroe, 1956 - **1**  
 DIAPHANIA Hübner, [1808-18] - **6**  
 LEUCOCHROMA Guenée, 1854 - **1**  
 OMIODES Guenée, 1854 - **4**  
 CONDYLORRHIZA Lederer, 1863 - **1**  
 PALPITA Hübner, [1808] - **6**  
 POLYGRAMMODES Guenée, 1854 - **2**  
 AZOCHIS Walker, 1859 - **1**  
 COMPACTA Amsel, 1956 - **1**  
 MIMOPHOBETRON Munroe, 1950 - **1**  
 TERAISTIA Guenée, 1854 - **1**  
 AGATHODES Guenée, 1854 - **1**  
 PANTOGRAPHIA Lederer, 1863 - **1**  
 PLEUROPTYA Meyrick, 1890 - **1**  
 PHAEDROPSIS Warren, 1890 - **2**  
 LYGROPIA Lederer, 1863 - **3**  
 LYPOTIGRIS Hübner, [1825] - **1**  
 DIASTICTIS Hübner, [1818] - **4**  
 FRAMINGHAMIA Strand, 1920 - **1**  
 MICROTHYRIS Lederer, 1863 - **2**  
 ASCIODES Guenée, 1854 - **1**  
 PSARA Snellen, 1875 - **1**  
 SATHRIA Lederer, 1863 - **1**  
 BICILIA Amsel, 1956 - **1**  
 HERPETOGRAMMA Lederer, 1863 - **7**  
 PILOCROCIS Lederer, 1863 - **1**  
 CRYPTOBOTYS Munroe, 1956 - **1**  
 SYNGAMIA Guenée, 1854 - **1**  
 SALBIA Guenée, 1854 - **3**  
 MARASMIA Lederer, 1863 - **2**  
 CONCHYLODES Guenée, 1854 - **3**  
 OMMATOSPILA Lederer, 1863 - **1**  
 DAULIA Walker, 1859 - **1**  
**SCHOENOBIINAE (20)**  
 LEPTOSTEGES Warren, 1889 - **6**  
 CARECTOCULTUS A. Blanchard, 1975 - **2**  
 RUPELA Walker, 1863 - **3**  
 DONACAULA Meyrick, 1890 - **9**  
**CRAMBINAE (90)**  
**ANCYLOLOMIINI (4)**  
 MESOLIA Ragonot, 1888 - **1**  
 PRIONAPTERYX Stephens, 1834 - **3**  
**CRAMBINI (65)**  
 CRAMBUS Fabricius, 1798 - **12**  
 RAPHIPTERA Hampson, 1896 - **1**  
 AGRIPHILA Hübner, [1825] - **1**  
 PEDIASIA Hübner, [1825] - **1**  
 MICROCRAMBUS Bleszynski, 1963 - **8**  
 LOXOCRAMBUS Forbes, 1920 - **1**

FISSICRAMBUS Bleszynski, 1963 - **5**  
 THAUMATOPSIS Morrison, 1874 - **6**  
 PARAPEDIASIA Bleszynski, 1966 - **3**  
 EUCHROMIUS Guenée, 1845 - **1**  
 MICROCAUSTA Hampson, 1895 - **1**  
**ARGYRIINI (7)**  
 ARGYRIA Hübner, [1818] - **3**  
 UROLA Walker, 1863 - **1**  
 VAXI Bleszynski, 1963 - **3**  
**CHILINI (14)**  
 EPINA Walker, [1866] - **1**  
 CHILO Zincken, 1817 - **2**  
 DIATRAEA Guilding, 1832 - **4**  
 HAIMBACHIA Dyar, 1909 - **2**  
 EOREUMA Ely, 1910 - **1**  
 XUBIDA Schaus, 1922 - **4**  
**Group PYRALININA (223)**  
**PYRALINAE (10)**  
 PYRALIS Linnaeus, 1758 - **3**  
 AGLOSSA Latreille, 1796 - **2**  
 PSEUDASOPIA Walker, 1862 - **1**  
 DOLICHOMIA Ragonot, 1891 - **2**  
 NEODAVISIA Barnes & McDunnough, 1914 - **1**  
 OCRASA Walker, [1866] - **1**  
**CHRYSAUGINAE (17)**  
 PARACHMA Walker, [1866] - **1**  
 BASACALLIS Cashatt, 1985 - **1**  
 LEPIDOMYS Guenée, 1852 - **1**  
 GALASA Walker, 1866 - **1**  
 PENTHESILEA Ragonot, 1891 - **2**  
 TOSALE Walker, 1863 - **1**  
 SALOBRENA Walker, 1863 - **2**  
 CLYDONOPTERON Riley, 1880 - **1**  
 BONCHIS Walker, 1862 - **1**  
 STREPTOPALPIA Hampson, 1895 - **1**  
 ARTA Grote, 1875 - **2**  
 XANTIPPE Ragonot, 1891 - **2**  
 HELIADES Ragonot, 1891 - **1**  
**EPIPASCHIINAE (24)**  
 MACALLA Walker, 1859 - **4**  
 DEUTEROLLYTA Lederer, 1863 - **1**  
 TORIPALPUS Grote, 1878 - **1**  
 CALOZELIA Grote, 1877 - **1**  
 MILGITHEA Schaus, 1922 - **1**  
 ONEIDA Hulst, 1889 - **1**  
 TALLULA Hulst, 1888 - **3**  
 POCOCERA Zeller, 1848 - **12**  
**GALLERIINAE (11)**  
**GALLERIINI (3)**  
 GALLERIA Fabricius, 1798 - **1**  
 ACHROIA Hübner, [1819] - **1**  
 TRACHYLEPIDIA Ragonot, 1887 - **1**  
**MEGARTHRIIDIINI (3)**  
 OMPHALOCERA Lederer, 1863 - **2**  
 THYRIDOPYRALIS Dyar, 1901 - **1**  
**TIRATHABINI (3)**  
 PARALIPSA Butler, 1879 - **1**  
 CORCYRA Ragonot, 1885 - **1**  
 EPIMORIUS Zeller, 1877 - **1**

**CACOTHERAPIINI (2)**

CACOTHERAPIA Dyar, 1904 - 2

**PHYCITINAE (160)****PHYCITINI (148)**

ACROBASIS Zeller, 1839 - 19

ANABASIS Heinrich, 1956 - 1

HYPSIPYLA Ragonot, 1888 - 1

CROCIDOMERA Zeller, 1848 - 1

HYPARGYRIA Ragonot, 1888 - 1

ANYPSIPYLA Dyar, 1914 - 1

CHARARICA Heinrich, 1956 - 1

ECTOMYELOIS Heinrich, 1956 - 2

AMYELOIS Amsel, 1956 - 1

FUNDELLA Zeller, 1848 - 2

ANADELOSEMIA Dyar, 1919 - 1

SCORYLUS Heinrich, 1956 - 1

DAVARA Walker, 1859 - 1

SARASOTA Hulst, 1900 - 1

ATHELOCA Heinrich, 1956 - 1

MONOPTILOTA Hulst, 1900 - 1

ZAMAGIRIA Dyar, 1914 - 2

ANEGCEPHALESIS Dyar, 1917 - 1

ANCYLOSTOMIA Ragonot, 1893 - 1

CARISTANIUS Heinrich, 1956 - 2

ETIELLA Zeller, 1839 - 1

GLYPTOCERA Ragonot, 1889 - 1

SALEBRIARIA Heinrich, 1956 - 12

NEPHOPTERIX Hübner, [1825] - 7

TLASCALA Hulst, 1890 - 1

TULSA Heinrich, 1956 - 1

ACTRIX Heinrich, 1956 - 1

STYLOPALPIA Hampson, 1901 - 1

DIORYCTRIA Zeller, 1846 - 7

ORYCTOMETOPIA Ragonot, 1888 - 1

LIPOGRAPHIS Ragonot, 1887 - 1

ADELPHIA Heinrich, 1956 - 1

UFA Walker, 1863 - 1

ELASMOPALPUS Blanchard, 1852 - 1

ULOPHORA Ragonot, 1890 - 1

CHORRERA Dyar, 1914 - 1

RAGONOTIA Grote, 1888 - 1

ARCOLA Shaffer, 1974 - 1

DIVITIACA Barnes &amp; McDunnough, 1913 - 3

MACRORRHINIA Ragonot, 1887 - 1

OCALA Hulst, 1892 - 1

HULSTIA Ragonot, 1901 - 1

HONORA Grote, 1878 - 2

CANARSIA Hulst, 1890 - 1

WUNDERIA Grossbeck, 1917 - 1

DIVIANA Ragonot, 1888 - 1

PALATKA Hulst, 1892 - 1

CASSIANA Heinrich, 1956 - 1

MESGINIA Ragonot, 1901 - 3

BEMA Dyar, 1914 - 1

HOMOEOSOMA Curtis, 1833 - 4

PHYCITODES Hampson, 1917 - 1

UNADILLA Hulst, 1890 - 2

LAETILIA Ragonot, 1889 - 5

WELDERELLA A. Blanchard, 1978 - 1

BAPHALA Heinrich, 1956 - 1

ZOPHODIA Hübner, [1825] - 1

MELITARA Walker, 1863 - 1

CACTOBLASTIS Ragonot, 1901 - 1

RUMATHA Heinrich, 1939 - 1

OZAMIA Ragonot, 1901 - 1

METEPHESTIA Ragonot, 1901 - 1

EUZOPHERA Zeller, 1867 - 3

EULOGIA Heinrich, 1956 - 1

EPHESTIODES Ragonot, 1887 - 2

ASTRALEPHESTIODES Neunzig, 1990 - 1

MOODNODES Neunzig, 1990 - 1

MOODNA Hulst, 1890 - 2

VITULA Ragonot, 1887 - 1

CAUDELLIA Dyar, 1904 - 2

RIBUA Heinrich, 1940 - 1

PLODIA Guenée, 1845 - 1

EPHESTIA Guenée, 1845 - 3

CADRA Walker, 1864 - 2

WAKULLA Shaffer, 1968 - 1

TAMPA Ragonot, 1887 - 1

VARNERIA Dyar, 1904 - 2

EURYTHMIA Ragonot, 1887 - 1

ERELIEVA Heinrich, 1956 - 1

CABNIA Dyar, 1904 - 1

COENOCROA Ragonot, 1887 - 1

**PEORIINI (12)**

PEORIA Ragonot, 1887 - 7

ARIVACA Shaffer, 1968 - 1

ATASCOSA Hulst, 1890 - 1

HOMOSASSA Hulst, 1890 - 2

GOYA Ragonot, 1888 - 1

**PTEROPHOROIDEA (31)****PTEROPHORIDAE (31)****PTEROPHORINAE (31)****PLATYPTILIINI (16)**

SPHENARCHES Meyrick, 1886 - 1

BUCKLERIA Tutt, 1905 - 1

TRICHOPTILUS Walsingham, 1880 - 2

MEGALORHIPIDA Amsel, 1935 - 1

PLATYPTILIA Hübner, [1825] - 1

LANTANOPHAGA Zimmerman, 1958 - 1

MARIANA Prola &amp; Racheli, 1984 - 1

LIOPTILODES Zimmerman, 1958 - 1

STENOPTILODES Zimmerman, 1958 - 3

EXELASTIS Meyrick, 1907 - 2

STENOPTILIA Hübner, [1825] - 2

**PTEROPHORINI (15)**

PSELNOPHORUS Wallengren, 1881 - 1

ADAINA Tutt, 1905 - 3

LEIOPTILUS Wallengren, 1862 - 10

EMMELINA Tutt, 1905 - 1

Subsection **SESIINA** (64)**SESIOIDEA** (52)**SESIIDAE** (41)**TINTHIINAE** (1)**PENNISETIINI** (1)PENNISETIA Dehne, 1850 - **1****PARANTHRENINAE** (7)**PARANTHRENINI** (7)PARANTHRENE Hübner, [1819] - **4**VITACEA Engelhardt, 1946 - **2**EUHAGENA H. Edwards, 1881 - **1****SESIINAE** (33)**MELITTIINI** (1)MELITTIA Hübner, [1819] - **1****OSMINIINI** (1)OSMINIA LeCerf, 1917 - **1****SYNANTHEDONINI** (31)SYNANTHEDON Hübner, [1819] - **18**PODOSESIA Möschler, 1879 - **2**SANNINA Walker, 1856 - **1**CARMENTA H. Edwards, 1881 - **8**ALCATHOE H. Edwards, 1882 - **2****URODIDAE** (2)**GALACTICINAE** (1)HOMADAULA Lower, 1899 - **1****URODINAE** (1)URODUS Herrich-Schäffer, 1854 - **1****CHOREUTIDAE** (9)**MILLIERIINAE** (1)PHORMOESTES Heppner, 1982 - **1****BRENTHIINAE** (1)BRENTHIA Clemens, 1860 - **1****CHOREUTINAE** (7)PROCHOREUTIS Diakonoff & Heppner, 1980 - **1**TEBENNA Billberg, 1820 - **2**TORTYRA Walker, 1863 - **2**HEMEROPHILA Hübner, 1817 - **2****ZYGAENOIDEA** (12)**ZYGAENIDAE** (5)**PROCRIDINAE** (5)NEOPROCRIS Jordan, 1915 - **1**HARRISINA Packard, 1864 - **1**ACOLOITHUS Clemens, 1860 - **2**PYROMORPHA Herrich-Schäffer, 1854 - **1**

Subgenus PYROMORPHA Herrich-Schäffer, 1854

**LACTURIDAE** (2)LACTURA Walker, 1854 - **2****MEGALOPYGIDAE** (5)**MEGALOPYGINAE** (4)LAGOA Harris, 1841 - **3**MEGALOPYGE Hübner, [1820] - **1****TROSIINAE** (1)NORAPE Walker, 1855 - **1**Section **COSSINA** (1718)Subsection **COSSINA** (291)**COSSOIDEA** (34)Series **COSSIFORMES** (7)**COSSIDAE** (7)**HYPOPTINAE** (3)INGUROMORPHA H. Edwards, 1888 - **1**GIVIRA Walker, 1856 - **2****COSSULINAE** (1)COSSULA Bailey, 1882 - **1****COSSINAE** (3)PRIONOXYSTUS Grote, 1881 - **3**Series **LIMACODIFORMES** (27)**LIMACODIDAE** (26)TORTRICIDIA Packard, 1864 - **1**SLOSSONELLA Dyar, 1904 - **1**HETEROGENEA Knoch, 1783 - **1**LITHACODES Packard, 1864 - **3**APODA Haworth, 1809 - **3**PROLIMACODES Schaus, 1896 - **1**ALARODIA Möschler, 1886 - **1**ISOCHAETES Dyar, 1899 - **1**PHOBETRON Hübner, [1825] - **1**NATADA Walker, 1855 - **1**ISA Packard, 1864 - **1**ADONETA Clemens, 1860 - **1**MONOLEUCA Grote & Robinson, 1869 - **4**EUCLEA Hübner, [1819] - **2**PARASA Moore, 1858 - **2**ACHARIA Hübner, [1819] - **2****EPIPYROPIDAE** (1)FULGORAECIA Newman, 1851 - **1****TORTRICOIDEA** (257)**TORTRICIDAE** (257)**OLETHREUTINAE** (163)**BACTRINI** (10)BACTRA Stephens, 1834 - **3**ENDOPIZA Clemens, 1860 - **4**LOBESIA Guenée, 1845 - **1**ENDOTHENIA Stephens, 1852 - **2****MICROCORSINI** (2)CRYPTASPASMA Walsingham, 1900 - **2****OLETHREUTINI** (29)EPISIMUS Walsingham, 1892 - **9**CACOCHARIS Walsingham, 1892 - **1**EUMAROZIA Heinrich, 1926 - **1**ZOMARIA Heinrich, 1926 - **1**APOTOMIS Hübner, [1825] - **1**ORTHOTAENIA Stephens, 1829 - **1**

PHAECASIOPHORA Grote, 1873 - 2  
 OLETHREUTES Hübner, [1822] - 9  
 HEDYA Hübner, [1825] - 3  
 TSINILLA Heinrich, 1931 - 1

#### **EUCOSMINI (91)**

RHYACIONIA Hübner, [1825] - 5  
 RETINIA Guenée, 1845 - 3  
 SPILONOTA Stephens, 1829 - 1  
 STREPSICRATES Meyrick, 1888 - 1  
 PHANETA Stephens, 1852 - 7  
 EUCOSMA Hübner, [1823] - 18  
 PELOCHRISTA Lederer, 1859 - 2  
 EPIBLEMA Hübner, [1825] - 16  
 SULEIMA Heinrich, 1923 - 1  
 SONIA Heinrich, 1923 - 2  
 GYPSONOMA Meyrick, 1895 - 2  
 PROTEOTERAS Riley, 1881 - 2  
 ZEIRAPHERA Treitschke, 1829 - 1  
 PSEUDEXENTERA Heinrich, 1940 - 7  
 GRETCHENA Heinrich, 1923 - 2  
 CHIMOPTESIS Powell, 1964 - 3  
 CROCIDOSEMA Zeller, 1847 - 4  
 RHOPOBOTA Lederer, 1859 - 2  
 EPINOTIA Hübner, [1825] - 1  
 CATASTEGA Clemens, 1861 - 1  
 ANCYLIS Hübner, [1825] - 8  
 HYSTRICHOPHORA Walsingham, 1879 - 2

#### **LASPEYRESIINI (31)**

DICHRORAMPHA Guenée, 1845 - 2  
 SATRONIA Heinrich, 1926 - 1  
 RICULA Heinrich, 1926 - 1  
 TALPONIA Heinrich, 1923 - 1  
 PAMMENE Hübner, [1825] - 2  
 LARISA W. E. Miller, 19782 - 1  
 ETHELGODA Heinrich, 1926 - 1  
 SEREDA Heinrich, 1923 - 1  
 GRAPHOLITA Treitschke, 1829 - 3  
 CORTICIVORA Clarke, 1951 - 2  
 CYDIA Hübner, [1825] - 13  
 ECDYTOLOPHA Zeller, 1875 - 2  
 PSEUDOGALLERIA Ragonot, 1884 - 1

#### **TORTRICINAE (91)**

##### **TORTRICINI (8)**

CROESIA Hübner, [1825] - 3  
 ACLERIS Hübner, [1825] - 4  
 APOTOFORMA Busck, 1934 - 1

##### **ARCHIPINI (33)**

PANDEMIS Hübner, [1825] - 1  
 ARGYROTAENIA Stephens, 1852 - 12  
 CHORISTONEURA Lederer, 1859 - 8  
 ARCHIPS Hübner, 1822 - 8  
 SYNDEMIS Hübner, [1825] - 1  
 PTYCHOLOMA Stephens, 1829 - 1  
 ADOXOPHYES Meyrick, 1881 - 1  
 XENOTEMNA Powell, 1964 - 1

##### **NIASOMINI (1)**

NIASOMA Busck, 1940 - 1

##### **SPARGANOTHIDINI (29)**

SPARGANOTHIS Hübner, [1825] - 19  
 PLATYNOTA Clemens, 1860 - 8

COELOSTATHMA Clemens, 1860 - 1  
 AMORBIA Clemens, 1860 - 1

#### **COCHYLINI (21)**

AETHES Billberg, 1820 - 8  
 COCHYLIS Treitschke, 1830 - 2  
 THYRAYLIA Walsingham, 1897 - 1  
 HENRICUS Busck, 1943 - 1  
 LORITA Busck, 1939 - 2  
 CAROLELLA Busck, 1939 - 3  
 PHTHEOCHROA Stephens, 1829 - 1  
 "PHALONIA". – auct. (not Hübner, [1825]) - 1  
 PLATPHALONIDIA Razowski, 1985 - 1  
 RUDENIA Razowski, 1985 - 1

#### **CHLIDANOTINAE (2)**

##### **HILAROGRAPHINI (2)**

THAUMATOGRAPHIA Walsingham, 1897 - 1  
 AURATONOTA Razowski, 1987 - 1

### **Subsection BOMBYCINA (1427)**

#### **URANIOIDEA (8)**

##### **EPIPLEMIDAE (8)**

EPIPLEMA Herrich-Schäffer, [1855] - 2  
 CALLIZZIA Packard, 1876 - 1  
 ANTIPLECTA Warren, 1900 - 1  
 CALLEDAPTERYX Grote, 1868 - 1  
 PHILAGRAULA Hulst, 1896 - 1  
 SCHIDAX Hübner, [1818] - 1  
 DIRADES Walker, 1866 - 1

#### **GEOMETROIDEA (254)**

##### **GEOMETRIDAE (254)**

##### **OENOCHROMINAE (3)**

###### **ALSOPHILINI (1)**

ALSOPHILA Hübner, [1825] - 1

###### **OENOCHROMINI (2)**

AMETRIS Hübner, [1822] - 1  
 ALMODES Guenée, [1858] - 1

##### **ENNOMINAE (151)**

###### **ABRAXINI (1)**

HELIOMATA Grote & Robinson, 1866 - 1

##### **SEMIOTHISINI (26)**

EUMACARIA Packard, 1873 - 1  
 ITAME Hübner, [1823] - 5  
 MELLILA Grote, 1873 - 1  
 SEMIOTHISA Hübner, [1818] - 1  
 MACARIA Curtis, 1826 - 14  
 DIGRAMMIA Gumpfenberg, 1887 - 2  
 TRIGRAMMIA Herrich-Schäffer, [1855] - 1  
 ENCONISTA Lederer, 1853 - 1

##### **BOARMIINI (34)**

HYPOMECEIS Hübner, [1821] - 5  
 PIMAPHERA Cassino & Swett, 1927 - 1  
 GLENOIDES McDunnough, 1920 - 1  
 GLENA Hulst, 1896 - 3  
 EXELIS Guenée, [1858] - 1  
 TORNOS Morrison, 1875 - 3  
 AETHALURA McDunnough, 1920 - 1

ANACAMPTODES McDunnough, 1920 - 6  
 ANAVITRINELLA McDunnough, 1922 - 1  
 CLEORA Curtis, 1823 - 2  
 ECTROPIS Hübner, [1825] - 1  
 PROTOBOARMIA McDunnough, 1920 - 1  
 EPIMECIS Hübner, [1825] - 6

**MELANCHROINI (2)**

MELANCHROIA Hübner, [1819] - 2

**MELANOLOPHIINI (3)**

MELANOLOPHIA Hulst, 1896 - 3

**BISTONINI (8)**

LYCIA Hübner, [1825] - 1  
 HYPAGYRTIS Hübner, [1818] - 3  
 PHIGALIA Duponchel, 1829 - 3  
 PALEACRITA Riley, 1876 - 1

**BAPTINI (4)**

LOMOGRAPHIA Hübner, [1825] - 2  
 PALYAS Guenée, [1858] - 1  
 PHRYGIONIS Hübner, [1825] - 1

**CABERINI (8)**

CABERA Treitschke, 1825 - 2  
 NUMIA Guenée, [1858] - 1  
 ERASTRIA Hübner, [1813] - 2  
 THYSANOPYGA Herrich-Schäffer, [1855] - 2  
 EPISEMASIA Hulst, 1896 - 1

**ANGERONINI (12)**

LYTROSIS Hulst, 1896 - 2  
 EUCHLAENA Hübner, [1823] - 7  
 XANTHOTYPE Warren, 1894 - 2  
 CYMATOPHORA Hübner, [1812] - 1

**AZELININI (5)**

STENASPILATODES Franclemont & Poole, 1972 - 1  
 PERO Herrich-Schäffer, [1855] - 4

**NACOPHORINI (2)**

NACOPHORA Hulst, 1896 - 1  
 CERATONYX Guenée, [1858] - 1

**CAMPAEINI (1)**

CAMPAEA Lamarck, 1816 - 1

**ENNOMINI (2)**

ENNOMOS Treitschke, 1825 - 2

**SPHACELODINI (2)**

SPHACELODES Guenée, [1858] - 2

**LITHININI (6)**

PETROPHORA Hübner, [1811] - 2  
 TACPARIA Walker, 1860 - 3  
 HOMOCHLODES Hulst, 1896 - 1

**ANAGOGINI (8)**

METARRANTHIS Warren, 1894 - 4  
 CEPPHIS Hübner, [1823] - 1  
 PROBOLE Herrich-Schäffer, 1855 - 2  
 PLAGODIS Hübner, [1823] - 1

**OURAPTERYGINI (29)**

LYCHNOSEA Grote, 1883 - 1  
 CARIPETA Walker, 1863 - 3  
 DESTUTIA Grossbeck, 1908 - 1  
 BESMA Capps, 1943 - 1  
 LAMBDINA Capps, 1943 - 4  
 NEPYTIA Hulst, 1896 - 1  
 EUSARCA Hübner, [1813] - 2

TETRACIS Guenée, [1858] - 2  
 EUTRAPELA Hübner, [1809] - 1  
 OXYDIA Guenée, [1858] - 5  
 PATALENE Herrich-Schäffer, 1854 - 2  
 PROCHOERODES Grote, 1883 - 1  
 NEPHELOLEUCA Butler, 1883 - 2  
 SERICOPTERA Herrich-Schäffer, 1856 - 1  
 NEMATOCAMPA Guenée, [1858] - 2

**GEOMETRINAE (22)****NEMORIINI (11)**

NEMORIA Hübner, [1818] - 9  
 PHRUDOCENTRA Warren, 1895 - 1  
 DICHORDA Warren, 1900 - 1

**SYNCHLORINI (5)**

SYNCHLORA Guenée, [1858] - 5

**LOPHOCHORISTINI (2)**

EUEANA Prout, 1912 - 1  
 EUCROSTES Hübner, [1823] - 1

**HEMITHEINI (4)**

CHLOROCHLAMYS Hulst, 1896 - 1  
 CHLOROPTERYX Hulst, 1896 - 2  
 HETHEMIA Ferguson, 1969 - 1

**STERRHINAE (52)****STERRHINI (22)**

EUMACRODES Warren, 1905 - 1  
 EUACIDALIA Packard, 1873 - 1  
 LOBOCLETA Warren, 1906 - 4  
 IDAEA Treitschke, 1825 - 16

**COSYMBIINI (7)**

PLEUOPRUCHA Möschler, 1890 - 2  
 CYCLOPHORA Hübner, 1822 - 5

**TIMANDRINI (2)**

HAEMATOPIS Hübner, [1823] - 1  
 TIMANDRA Duponchel, 1829 - 1

**SCOPULINI (21)**

ACRATODES Guenée, [1858] - 1  
 SCOPULA Schrank, 1802 - 11  
 LEPTOSTALES Möschler, 1890 - 8  
 LOPHOSIS Hulst, 1896 - 1

**LARENTIINAE (26)****CIDARIINI (3)**

EULITHIS Hübner, 1821 - 2  
 ECLIPTOPERA Warren, 1894 - 1

**HYDRIOMENINI (2)**

HYDRIOMENA Hübner, [1825] - 2

**RHEUMAPTERINI (6)**

TRIPHOSA Stephens, 1829 - 1  
 CORYPHISTA Hulst, 1896 - 1  
 RHEUMAPTERA Hübner, [1822] - 1  
 ARCHIRHOE Herbulot, 1951 - 1  
 PTEROCYPHA Herrich-Schäffer, [1855] - 1  
 HAMMAPTERA Herrich-Schäffer, [1855] - 1

**LARENTIINI (1)**

ANTICLEA Stephens, 1831 - 1

**XANTHORHOINI (4)**

XANTHORHOE Hübner, 1825] - 1  
 ORTHONAMA Hübner, [1825] - 1  
 COSTACONVEXA Agenjo, 1949 - 1  
 DISCLISIOPROCTA Wallengren, 1861 - 1

**ASTHENINI (1)**VENUSIA Curtis, 1839 - **1****EDULINI (2)**EUBAPHE Hübner, [1823] - **2****EUPITHECIINI (4)**HORISME Hübner, [1825] - **1**EUPITHECIA Curtis, 1825 - **3****LOBOPHORINI (3)**ACASIS Duponchel, 1844 - **1**HETEROPHLEPS Herrich-Schäffer, 1854 - **1**DYSPTERIS Hübner, 1818 - **1****PAPILIONOIDEA (189)**Series **HESPERIIFORMES (73)****HESPERIIDAE (73)****PYRGINAE (26)**PHOCIDES Hübner, [1819] - **1**PROTEIDES Hübner, [1819] - **1**EPARGYREUS Hübner, [1819] - **2**POLYGONUS Hübner, [1825] - **1**URBANUS Hübner, [1807] - **2**AUTOCHTON Hübner, [1823] - **1**ACHALARUS Scudder, 1872 - **1**THORYBES Scudder, 1872 - **3**STAPHYLUS Godman & Salvin, 1896 - **1**GORGYTHION Godman & Salvin, 1896 - **1**EPHYRIADES Hübner, [1819] - **1**ERYNNIS Schrank, 1801 - **7**PYRGUS Hübner, [1819] - **3**PHOLISORA Scudder, 1872 - **1****HESPERIINAE (45)**NASTRA Evans, 1955 - **2**CYMAENES Scudder, 1872 - **1**LEREMA Scudder, 1872 - **1**ANCYLOXPHA C. Felder, 1862 - **1**COPAEODES Speyer, 1877 - **1**HYLEPHILA Billberg, 1820 - **1**HESPERIA Fabricius, 1793 - **2**POLITES Scudder, 1872 - **4**WALLENGRENIA Berg, 1897 - **2**POMPEIUS Evans, 1955 - **1**ATALOPEDES Scudder, 1872 - **1**ATRYTONE Scudder, 1872 - **1**ANATRYTONE Dyar, 1905 - **1**PROBLEMA Skinner & R. C. Williams, 1924 - **1**POANES Scudder, 1872 - **4**EUPHYES Scudder, 1872 - **6**ASBOLIS Mabilie, 1904 - **1**ATRYTONOPSIS Godman, 1900 - **1**AMBLYSCHIRTES Scudder, 1872 - **6**LERODEA Scudder, 1872 - **1**OLIGORIA Scudder, 1872 - **1**CALPODES Hübner, [1819] - **1**PANOQUINA Hemming, 1934 - **3**NYCTELIUS Hayward, 1948 - **1****MEGATHYMINAE (2)**MEGATHYMUS Scudder, 1872 - **2**Series **PAPILIONIFORMES (116)****PAPILIONIDAE (11)****PAPILIONINAE (10)****TROIDINI (2)**BATTUS Scopoli, 1777 - **2****PAPILIONINI (8)**PAPILIO Linnaeus, 1758 - **8**

Subgenus PAPILIO Linnaeus, 1758

Subgenus HERACLIDES Hübner, [1819]

Subgenus PTEROURUS Scopoli, 1777

**GRAPHIINI (1)**EURYTIDES Hübner, [1821] - **1**

Subgenus PROTOGRAPHIUM Munroe, 1951

**PIERIDAE (23)****PIERINAE (5)****PIERINI (4)**APPIAS Hübner, [1819] - **1**PONTIA Fabricius, 1807 - **1**PIERIS Schrank, 1801 - **1**ASCIA Scopoli, 1777 - **1****ANTHOCHARINI (1)**ANTHOCHARIS Boisduval, Rambur & Graslin, 1833 - **1**

Subgenus PARAMIDEA Kuznezov, [1928]

**COLIADINAE (18)**COLIAS Fabricius, 1807 - **2**ZERENE Hübner, [1819] - **1**ANTEOS Hübner, [1819] - **1**PHOEBIS Hübner, [1819] - **3**APHRISIA Butler, 1873 - **2**KRICOOGONIA Reakirt, 1863 - **1**EUREMA Hübner, [1819] - **7**

Subgenus PYRISITIA Butler, 1870

Subgenus ABAEIS Hübner, [1819]

Subgenus EUREMA Hübner, [1819]

NATHALIS Boisduval, 1836 - **1****LYCAENIDAE (33)****MILETINAE (1)****SPALGINI (1)**FENISECA Grote, 1869 - **1****THECLINAE (24)****EUMAEINI (1)**EUMAEUS Hübner, [1819] - **1****STRYMONINI (23)**ATLIDES Hübner, [1819] - **1**CHLOROSTRYMON Clench, 1961 - **2**SATYRIUM Scudder, 1876 - **4**MINISTRYMON Clench, 1961 - **1**CALLOPHRYS Billberg, 1820 - **6**

Subgenus CALYCOPIS Scudder, 1876

Subgenus MITOURA Scudder, 1872, emend.

Subgenus DECIDUPHAGUS Johnson, 1992

Subgenus INCISALIA Scudder, 1872

FIXSENIA Tutt, [1907] - **1**

Subgenus EURISTRYMON Clench, 1961

PARRHASIUS Hübner, [1819] - **1**



STRYMON Hübner, [1818] - 5

ELECTROSTRYMON Clench, 1961 - 2

**POLYOMMATINAE (8)**

**ZIZEERINI (1)**

BREPHIDIUM Scudder, 1876 - 1

**LAMPIDINI (4)**

LEPTOTES Scudder, 1876 - 1

CYCLARGUS Nabokov, 1945 - 2

HEMIARGUS Hübner, [1818] - 1

**EVERINI (1)**

EVERES Hübner, [1819] - 1

**LYCAENOPSINI (2)**

CELASTRINA Tutt, 1906 - 2

**RIODINIDAE (1)**

**RIODININAE (1)**

CALEPHELIS Grote & Robinson, 1869 - 1

**LIBYTHEIDAE (1)**

LIBYTHEANA Michener, 1943 - 1

**NYMPHALIDAE (47)**

Group **NYMPHALININA (36)**

**DANAINAE (3)**

**DANAINI (3)**

DANAUS Kluk, 1802 - 3

**HELICONIINAE (4)**

AGRAULIS Boisduval & Leconte, [1833] - 1

DRYADULA Michener, 1942 - 1

DRYAS Hübner, [1807] - 1

HELICONIUS Kluk, 1802 - 1

**NYMPHALINAE (29)**

**NYMPHALINI (6)**

POLYGONIA Hübner, [1819] - 2

NYMPHALIS Kluk, 1802 - 1

VANESSA Fabricius, 1807 - 3

**HYPOLIMNINI (7)**

HYPOLIMNAS Hübner, [1819] - 1

JUNONIA Hübner, [1819] - 3

ANARTIA Hübner, [1819] - 2

SIPROETA Hübner, [1823] - 1

**ARGYNNINI (2)**

EUPTOIETA Doubleday, [1848] - 1

SPEYERIA Scudder, 1872 - 1

**MELITAEINI (5)**

ANTHANASSA Scudder, 1875 - 2

Subgenus ANTHANASSA Scudder, 1875

Subgenus ERESIA Boisduval, 1836

PHYCIODES Hübner, [1819] - 2

CHLOSZYNE Butler, 1870 - 1

Subgenus CHARIDRYAS Scudder, 1872

**LIMENITIDINI (2)**

LIMENITIS Fabricius, 1908 - 2

Subgenus BASILARCHIA Scudder, 1872

**EPICALIINI (2)**

EUNICA Hübner, [1819] - 2

**AGERONINI (1)**

HAMADRYAS Hübner, 1806 - 1

**COLUBURINI (1)**

HISTORIS Hübner, [1819] - 1

**MARPESIINI (3)**

MARPESIA Hübner, [1818] - 3

Group **SATYRININA (11)**

**APATURINAE (4)**

**CHARAXINI (2)**

ANAEA Hübner, [1819] - 2

**APATURINI (2)**

ASTEROCAMPA Röber, 1916 - 2

**SATYRINAE (7)**

**ELYMNIINI (3)**

Subtribe **PARARGINA (2)**

ENODIA Hübner, [1819] - 1

SATYRODES Scudder, 1875 - 1

**EUPTYCHIINI (4)**

CYLLOPSIS R. Felder, 1869 - 1

HERMEUPTYCHIA Forster, 1964 - 1

NEONYMPHA Hübner, [1818] - 1

MEGISTO Hübner, [1819] - 1

**MANIOLINI (1)**

CERCYONIS Scudder, 1875 - 1

**DREPANOIDEA (3)**

**THYATIRIDAE (1)**

**THYATIRINAE (1)**

**MACROTHYATIRINI (1)**

EUTHYATIRA J. B. Smith, 1891 - 1

**DREPANIDAE (2)**

**DREPANINAE (1)**

EUDEILINIA Packard, 1876 - 1

**ORETINAE (1)**

ORETA Walker, 1855 - 1

**BOMBYCOIDEA (30)**

Series **BOMBYCIFORMES (12)**

**MIMALLONIDAE (2)**

LACOSOMA Grote, 1864 - 1

CICINNUS Blanchard, 1852 - 1

**APATELODIDAE (2)**

APATELODES Packard, 1864 - 1

OLCECLOSTERA Butler, 1878 - 1

**LASIOCAMPIDAE (8)**

**MACROMPHALIINAE (4)**

TOLYPE Hübner, [1820] - 3

ARTACE Walker, 1855 - 1

**GASTROPACHINAE (2)**

HETEROPACHA Harvey, 1874 - 1

PHYLLODESMA Hübner, [1820] - 1

**LASIOCAMPINAE (2)**

MALACOSOMA Hübner, [1820] - 2

Series **SATURNIIFORMES** (18)**SATURNIIDAE** (18)**CERATOCAMPINAE** (9)

EACLES Hübner, [1819] - 1

CITHERONIA Hübner, [1819] - 2

SPHINGICAMPA Walsh, 1864 - 1

DRYOCAMPA Harris, 1833 - 1

ANISOTA Hübner, [1820] - 5

**HEMILEUCINAE** (2)**HEMILEUCINI** (2)

HEMILEUCA Walker, 1855 - 1

AUTOMERIS Hübner, [1819] - 1

**SATURNIINAE** (6)**SATURNIINI** (2)

ANTHERAEA Hübner, [1819] - 1

ACTIAS Leach, 1815 - 1

**ATTACINI** (4)

CALLOSAMIA Packard, 1864 - 3

HYALOPHORA Duncan, 1841 - 1

**SPHINGOIDEA** (69)**SPHINGIDAE** (69)**SPHINGINAE** (28)**SPHINGINI** (20)

AGRIUS Hübner, [1819] - 1

COCYTIUS Hübner, [1819] - 2

MANDUCA Hübner, 1807 - 6

DOLBA Walker, 1856 - 1

CERATOMIA Harris, 1839 - 3

ISOPARCE Rothschild &amp; Jordan, 1903 - 1

PARATREA Grote, 1903 - 1

SPHINX Linnaeus, 1758 - 4

LAPARA Walker, 1856 - 1

**SMERINTHINI** (8)

PROTAMBULYX Rothschild &amp; Jordan, 1903 - 2

SMERINTHUS Latreille, 1802 - 1

PAONIUS Hübner, [1819] - 3

LAOTHOE Fabricius, 1807 - 1

PACHYSPHINX Rothschild &amp; Jordan, 1903 - 1

**MACROGLOSSINAE** (41)**DILOPHONOTINI** (23)

PSEUDOSPHINX Burmeister, 1856 - 1

ERINNYIS Hübner, [1819] - 7

PHRYXUS Hübner, [1819] - 1

PACHYLIA Walker, 1856 - 1

PACHYLIOIDES Hodges, 1971 - 1

MADORYX Boisduval, [1875] - 1

CALLIONIMA Lucas, 1857 - 1

PERIGONIA Herrich-Schäffer, 1854 - 1

EUPYRROGLOSSUM Grote, 1865 - 1

AELLOPOS Hübner, [1819] - 3

ENYO Hübner, [1819] - 2

HEMARIS Dalman, 1816 - 3

**PHILAMPELINI** (6)

EUMORPHA Hübner, 1807 - 6

**MACROGLOSSINI** (12)

CAUTETHIA Grote, 1865 - 1

SPHECODINA Blanchard, 1840 - 1

DEIDAMIA Clemens, 1859 - 1

AMPHION Hübner, 1819 - 1

PROSERPINUS Hübner, [1819] - 1

DARAPSA Walker, 1856 - 3

XYLOPHANES Hübner, [1819] - 3

HYLES Hübner, [1819] - 1

**NOCTUOIDEA** (874)**NOTODONTIDAE** (52)**NOTODONTINAE** (52)

CLOSTERA Samouelle, 1819 - 2

DATANA Walker, 1855 - 8

NADATA Walker, 1855 - 1

HYPERAESCHRA Butler, 1880 - 1

PERIDEA Stephens, 1828 - 3

NERICE Walker, 1855 - 1

ELLIDA Grote, 1876 - 1

GLUPHISIA Boisduval, 1828 - 1

FURCULA Lamarck, 1816 - 2

CERURA Schrank, 1802 - 2

NYSTALEA Guenée, 1852 - 2

SYMMERISTA Hübner, [1821] - 1

DASYLOPHIA Packard, 1864 - 2

RIFARGIA Walker, 1862 - 1

LITODONTA Harvey, 1876 - 1

MISOGADA Walker, 1865 - 1

MACRUROCAMPA Dyar, 1893 - 1

HETEROCAMPA Doubleday, 1841 - 9

LOCHMAEUS Doubleday, 1841 - 2

SCHIZURA Doubleday, 1841 - 6

OLIGOCENTRIA Herrich-Schäffer, 1856 - 2

HYPARPAX Hübner, [1825] - 2

**LYMANTRIIDAE** (13)**LYMANTRIINAE** (13)**ORGYIINI** (12)

DASYCHIRA Hübner, [1809] - 9

ORGYIA Ochsenheimer, 1810 - 3

**LYMANTRIINI** (1)

LYMANTRIA Hübner, [1819] - 1 (stray)

**ARCTIIDAE** (69)Group **PERICOPININA** (1)**PERICOPINAE** (1)**PERICOPINI** (1)

COMPOSIA Hübner, [1820] - 1

Group **ARCTIININA** (57)**LITHOSIINAE** (14)**LITHOSIINI** (14)

CRAMBIDIA Packard, 1864 - 4

CISTHENE Walker, 1854 - 6

HYPOPREPIA Hübner, [1827-31] - 2

CLEMENSIA Packard, 1864 - 1

NEOPLYNES Hampson, 1900 - 1

**ARCTIINAE (43)****CALLIMORPHINI (4)**

UTETHEISA Hübner, [1819] - 2

HAPLOA Hübner, [1820] - 2

**ARCTIINI (24)**

HOLOMELINA Herrich-Schäffer, 1856 - 5

PYRRHARCTIA Packard, 1864 - 1

SEIRARCTIA Packard, 1864 - 1

ESTIGMENE Hübner, [1820] - 1

SPIOLOMA Curtis, 1825 - 3

HYPHANTRIA Harris, 1841 - 1

EUEYTHRA Harvey, 1876 - 2

HYPERCOMPE Hübner, [1819] - 1

APANTESIS Harris, 1841 - 3

GRAMMIA Rambur, 1866 - 6

**PHAEOPTERINI (15)**

HALYSIDOTA Hübner, [1819] - 3

LEUCANOPSIS Regos-Barros, 1956 - 1

CALIDOTA Dyar, 1900 - 1

PAREUCHAETES Grote, 1866 - 1

CYCNIA Hübner, [1818] - 3

EUCHAETES Harris, 1841 - 1

PAGARA Walker, 1856 - 1

PYGARCTIA Grote, 1871 - 3

EUPSEUDOSOMA Grote, 1866 - 1

**Group CTENUCHININA (11)****CTENUCHINAE (11)**

DAHANA Grote, 1875 - 1

CISSEPS Franclemont, 1936 - 1

LYMIRE Walker, 1854 - 1

NELPHE Herrich-Schäffer, [1858] - 1

EMPYREUMA Hübner, [1818] - 1

COSMOSOMA Hübner, [1823] - 1

DIDASYS Grote, 1875 - 1

SYNTOMEIDA Harris, 1839 - 2

PSEUDOCHARIS Druce, 1884 - 1

HORAMA Hübner, 1819 - 1

**NOCTUIDAE (740)****Group HERMINIININA (57)****HERMINIINAE (57)**

IDIA Hübner, [1813] - 8

PHALAENOPHANA Grote, 1873 - 1

ZANCLOGNATHA Lederer, 1837 - 10

CHYTOLITA Grote, 1873 - 1

MACROCHILO Hübner, [1825] - 3

PHALAENOSTOLA Grote, 1873 - 1

TETANOLITA Grote, 1873 - 2

BLEPTINA Guenée, 1854 - 8

PHYSULA Guenée, 1854 - 1

AGLAONICE Möschler, 1890 - 1

HYPENULA Grote, 1876 - 1

RENIA Guenée, 1854 - 8

ARISTARIA Guenée, 1854 - 1

CARTERIS Dognin, 1914 - 1

PHLYCTAINA Möschler, 1890 - 1

LASCORIA Walker, 1859 - 3

PALTHIS Hübner, [1825] - 2

REDECTIS Nye, 1975 - 2

MACRISTIS Schaus, 1916 - 2

**Group NOCTUININA (683)****RIVULINAE (6)**

RIVULA Guenée, 1845 - 2

OXYCILLA Grote, 1896 - 1

COLOBOCHYLA Hübner, [1825] - 1

MELANOMMA Grote, 1875 - 1

PROSOPARIA Grote, 1883 - 1

**HYPENODINAE (9)**

HYPENODES Doubleday, 1850 - 2

PARAHYPENODES Barnes &amp; McDunnough, 1918 - 1

SCHRANKIA Hübner, [1825] - 1

SIGELA Hulst, 1896 - 3

ABABLEMMA Nye, 1975 - 1

NIGETIA Walker, [1866] - 1

**HYPENINAE (28)**

BOMOLOCHA Hübner, [1825] - 9

LOMANALTES Grote, 1873 - 1

OPHIUCHE Hübner, [1825] - 5

HYPENA Schrank, 1802 - 2

PLATHYPENA Grote, 1873 - 1

TATHORHYNCHUS Hampson, 1894 - 1

HEMEROPLANIS Hübner, 1818 - 2

MURSA Walker, 1859 - 2

GLYMPIS Walker, 1859 - 1

PHYTOMETRA Haworth, [1809] - 2

HORMOSCHISTA Möschler, 1890 - 1

OMMATOCHILA Butler, 1894 - 1

**CATOCALINAE (220)**

PANGRAPTA Hübner, 1818 - 1

LEDAEA Druce, 1891 - 1

ISOGONA Guenée, 1852 - 2

METALECTRA Hübner, 1823 - 8

ARUGISA Walker, 1865 - 2

SCOLECOCAMPA Guenée, 1852 - 1

PALPIDIA Dyar, 1898 - 1

GABARA Walker, 1866 - 3

PHYPROSOPUS Grote, 1872 - 1

HYPsorOPHA Hübner, 1818 - 2

CECHARISMENA Möschler, 1890 - 3

PLUSIODONTA Guenée, 1852 - 1

GONODONTA Hübner, 1818 - 5

EUDOCIMA Billberg, 1820 - 1

ANOMIS Hübner, [1821] - 7

ALABAMA Grote, 1895 - 1

LITOPROSOPUS Grote, 1869 - 3

DIPHThERA Hübner, [1809] - 1

JANSEODES Viette, 1962 - 1

CONCANA Walker, [1858] - 1

EULEPIDOTIS Hübner, 1823 - 2

METALLATA Möschler, 1890 - 1

ANTICARSIA Hübner, 1818 - 1

AZETA Guenée, 1852 - 1

ANTIBLEMMA Hübner, 1823 - 3

EPHYRODES Guenée, 1852 - 1

ATHYRMA Hübner, 1823 - 2

SYLLECTRA Hübner, 1819 - 1

EPIDROMIA Guenée, 1852 - 4

MASSALA Walker, 1865 - 1

PANOPODA Guenée, 1852 - 3

PHOBERIA Hübner, 1818 - **1**  
 CISSUSA Walker, 1856 - **1**  
 MELIPOTIS Hübner, 1818 - **10**  
 BULIA Walker, 1858 - **1**  
 DRASTERIA Hübner, 1818 - **2**  
 HYPOCALA Guenée, 1852 - **1**  
 BORYZOPS Richards, 1936 - **1**  
 ORODESMA Herrich-Schäffer, 1868 - **1**  
 ELOUSA Walker, [1858] - **1**  
 HEMEROBLEMMATA Hübner, 1818 - **1**  
 LATEBRARIA Guenée, 1852 - **1**  
 THYSANIA Dalman, 1824 - **2**  
 ASCALAPHA Hübner, [1809] - **1**  
 TYRISSA Walker, 1866 - **1**  
 LESMONE Hübner, 1818 - **3**  
 SELENISA Hayward, 1967 - **1**  
 HETERANASSA J. B. Smith, 1899 - **1**  
 COXINA Guenée, 1852 - **1**  
 COENIPETA Hübner, 1818 - **1**  
 METRIA Hübner, [1823] - **2**  
 KAKOPODA J. B. Smith, 1900 - **1**  
 TOXONPRUCHA Möschler, 1890 - **1**  
 MATIGRAMMA Grote, 1872 - **1**  
 PSEUDANTHRACIA Grote, 1874 - **1**  
 ZALE Hübner, 1818 - **25**  
 EUPARTHENOS Grote, 1876 - **1**  
 ALLOTRIA Hübner, [1823] - **1**  
 ACHAEA Hübner, [1823] - **1**  
 OPHISMA Guenée, 1852 - **1**  
 DYSGONIA Hübner, [1823] - **3**  
 PARALLELIA Hübner, 1818 - **1**  
 CUTINA Walker, 1866 - **4**  
 FOCILLIDIA Hampson, 1913 - **1**  
 EUCLIDIA Ochsenheimer, 1816 - **1**  
 CAENURGIA Walker, 1858 - **1**  
 CAENURGINA McDunnough, 1937 - **2**  
 MOCIS Hübner, [1823] - **5**  
 CELIPTERA Guenée, 1852 - **1**  
 PTICHODIS Hübner, 1818 - **5**  
 ARGYROSTROTIS Hübner, [1821] - **10**  
 DORYODES Guenée, [1858] - **2**  
 SPILOLOMA Grote, 1873 - **1**  
 CATOCALA Schrank, 1802 - **49**

**PLUSIINAE (16)****ABROSTOLINI (1)**

MOURALIA Walker, 1858 - **1**

**ARGYROGRAMMATINI (5)**

ARGYROGRAMMA Hübner, 1823 - **1**  
 ENIGMOGRAMMA Lafontaine & Poole, 1991 - **1**  
 TRICHOPLUSIA McDunnough, 1944 - **1**  
 CTENOPLUSIA Dufay, 1970 - **1**  
 PSEUDOPLUSIA McDunnough, 1944 - **1**

**PLUSIINI (10)**

AUTOPLUSIA McDunnough, 1944 - **1**  
 NOTIOPUSIA Lafontaine & Poole, 1991 - **1**  
 RACHIPLUSIA Hampson, 1913 - **1**  
 DIACHRYSSIA Hübner, [1821] - **1**  
 ALLAGRAPHIA Franclemont, 1964 - **1**  
 EXYRA Grote, 1875 - **3**  
 MEGALOGRAPHIA Lafontaine & Poole, 1991 - **1**  
 ANAGRAPHIA McDunnough, 1944 - **1**

**EUTELIINAE (14)**

MARATHYSSA Walker, 1865 - **2**  
 PAECTES Hübner, 1818 - **10**  
 EUTELIA Hübner, [1823] - **2**

**SARROTHRIPINAE (12)****RISOBINI (6)**

BAILEYA Grote, 1895 - **6**

**AFRIDINI (2)**

AFRIDA Möschler, 1886 - **1**  
 COMACHARA Franclemont, 1939 - **1**

**SARROTHRIPINI (2)**

CHARACOMA Walker, 1863 - **1**  
 NYCTEOLA Hübner, 1822 - **1**

**COLLOMENINI (2)**

MOTYA Walker, 1859 - **1**  
 COLLOMENA Möschler, 1890 - **1**

**NOLINAE (8)**

RHYNCHOPALPUS Hampson, 1893 - **2**  
 NOLA Leach, 1815 - **6**

**ACONTIINAE (63)****CYDOSIINI (3)**

CYDOSIA Westwood, 1841 (in Duncan) - **3**

**EUSTROTIINI (34)**

TRIPUDIA Grote, 1877 - **5**  
 COBUBATHA Walker, 1863 - **3**  
 ORUZA Walker, 1862 - **1**  
 OZARBA Walker, 1865 - **2**  
 HYPERSTROTIA Hampson, 1910 - **6**  
 THIOPTERA Franclemont, 1950 - **1**  
 LITHACODIA Hübner, 1818 - **4**  
 MALIATTHA Walker, 1863 - **1**  
 PSEUDOSTROTIA Warren, 1913 - **1**  
 ANTERASTRIA Sugi, 1982 - **1**  
 HOMOPHOBERIA Morrison, 1875 - **2**  
 ARGILLOPHORA Grote, 1873 - **1**  
 CERMA Hübner, 1818 - **2**  
 LEUCONYCTA Hampson, 1909 - **1**  
 DIASTEMA Guenée, 1852 - **1**  
 AMYNA Guenée, 1852 - **2**

**EUBLEMMINI (5)**

EUBLEMMA Hübner, [1821] - **3**  
 PROROBLEMMATA Hampson, 1910 - **1**  
 ARAEOPTERON Hampson, 1893 - **1**

**ACONTIINI (19)**

TARACHIDIA Hampson, 1898 - **5**  
 FRUVA Grote, 1877 - **1**  
 PONOMETIA Herrich-Schäffer, 1868 - **1**  
 SPRAGUEIA Grote, 1875 - **8**  
 ACONTIA Ochsenheimer, 1816 - **4**

**BAGISARINI (2)**

BAGISARA Walker, 1858 - **2**

**PANTHEINAE (4)**

PANTHEA Hübner, [1820] - **1**  
 COLOCASIA Ochsenheimer, 1816 - **1**  
 CHARADRA Walker, 1865 - **1**  
 RAPHA Hübner, [1821] - **1**

**ACRONICTINAE (41)****ACRONICTINI (40)**

ACRONICTA Ochsenheimer, 1816 - **36**  
 SIMYRA Ochsenheimer, 1816 - **1**  
 AGRIOPODES Hampson, 1908 - **1**  
 POLYGRAMMATE Hübner, 1818 - **1**  
 HARRISIMEMNA Grote, 1873 - **1**

**BRYOPHILINI (1)**

CRYPHIA Hübner, 1818 - **1**

**AGARISTINAE (9)**

EUDRYAS Boisduval, 1836 - **2**  
 NEOTUERTA Kiriakoff, 1977 - **1**  
 CAULARIS Walker, 1858 - **1**  
 EUSCIRRHOPTERUS Grote, 1866 - **1**  
 PSYCHOMORPHA Harris, 1839 - **2**  
 ALYPIA Hübner, 1818 - **2**

**AMPHIPYRINAE (99)****APAMEINI (44)**

APAMEA Ochsenheimer, 1816 - **3**  
 OLIGIA Hübner, [1821] - **1**  
 MEROPLEON Dyar, 1924 - **1**  
 LEMMERIA Barnes & Benjamin, 1926 - **1**  
 CHORTODES Tutt, 1897 - **1**  
 FRANCLEMONTIA Ferguson, 1992 - **1**  
 ARCHANARA Walker, 1866 - **1**  
 PARAPAMEA Bird, 1927 - **1**  
 PAPAPEMA J. B. Smith, 1899 - **7**  
 ACHATODES Guenée, 1852 - **1**  
 IODOPEPLA Franclemont, 1964 - **1**  
 BELLURA Walker, 1865 - **4**  
 EUPLEXIA Stephens, 1829 - **1**  
 CHYTONIX Grote, 1874 - **2**  
 DYPTERYGIA Stephens, 1829 - **4**  
 NEDRA Clarke, 1940 - **1**  
 PROPERIGEA Barnes & Benjamin, 1926 - **1**  
 PHOSPHILA Hübner, 1818 - **2**  
 SPOCROPIA Hampson, 1908 - **1**  
 FAGITANA Walker, 1865 - **1**  
 CALLOPISTRIA Hübner, [1821] - **5**  
 PHUPHENA Walker, 1858 - **2**  
 ACHERDOA Walker, 1865 - **1**

**AMPHIPYRINI (45)**

MAGUSA Walker, 1857 - **1**  
 AMPHIPYRA Ochsenheimer, 1816 - **2**  
 MICRATHETIS Hampson, 1908 - **1**  
 ANORTHODES J. B. Smith, 1891 - **1**  
 BALSIA Walker, 1860 - **2**  
 SPODOPTERA Guenée, 1852 - **9**  
 ELAPHRIA Hübner, 1818 - **10**  
 GONODES Druce, 1908 - **1**  
 GALGULA Guenée, 1852 - **1**  
 PERIGEA Guenée, 1852 - **1**  
 CONDICA Walker, 1856 - **11**  
 DRAUDTIA Barnes & Benjamin, 1926 - **1**  
 EMARGINEA Guenée, 1852 - **1**  
 OGDOCONTA Butler, 1891 - **2**  
 STIRIODES Hampson, 1908 - **1**

**STIRIINI (5)**

PLAGIOMIMICUS Grote, 1873 - **2**  
 CIRRHOPHANUS Grote, 1872 - **1**  
 BASILODES Guenée, 1852 - **1**  
 STIRIA Grote, 1874 - **1**

**NOCLOINI (5)**

COSMIA Ochsenheimer, 1816 - **1**  
 AMOLITA Grote, 1874 - **4**

**CUCULLIINAE (32)****XYLENINI (15)**

LITHOPHANE Hübner, [1821] - **3**  
 PYREFERRA Franclemont, 1937 - **2**  
 SERICAGLAEA Franclemont, 1941 - **1**  
 XYSTOPEPLUS Franclemont, 1937 - **1**  
 METAXAGLAEA Franclemont, 1937 - **4**  
 CHAETAGLAEA Franclemont, 1943 - **2**  
 EUCIRROEDIA Grote, 1875 - **1**  
 SUNIRA Franclemont, 1950 - **1**

**FERALIINI (1)**

FERALIA Grote, 1874 - **1**

**PSAPHIDINI (6)**

PSAPHIDA Walker, 1865 - **5**  
 COPIVALERIA Grote, 1883 - **1**

**ONCOCNEMIDINI (8)**

NEOGALEA Hampson, 1906 - **1**  
 CATABENA Walker, 1865 - **2**  
 HOMOHADENA Grote, 1873 - **2**  
 ONCOCNEMIS Lederer, 1853 - **1**  
 LEPIPOLYS Guenée, 1852 - **1**  
 PSEUDACONTIA J. B. Smith, 1883 - **1**

**CUCULLIINI (2)**

CUCULLIA Schrank, 1802 - **2**

**HADENINAE (47)****HADENINI (40)**

DISCESTRA Hampson, 1905 - **1**  
 TRICHOCLEA Grote, 1883 - **3**  
 POLIA Ochsenheimer, 1816 - **1**  
 TRICHORDESTRA McCabe, 1980 - **1**  
 ANEPIA Hampson, 1918 - **1**  
 LACINIPOLIA McDunnough, 1937 - **6**  
 FARONTA J. B. Smith, 1908 - **2**  
 PSEUDALETIA Franclemont, 1951 - **2**  
 LEUCANIA Ochsenheimer, 1816 - **16**  
 ORTHOSIA Ochsenheimer, 1816 - **2**  
 HIMELLA Grote, 1875 - **1**  
 EGIRA Duponchel, 1845 - **1**  
 ACHATIA Hübner, [1813] - **1**  
 MORRISONIA Grote, 1874 - **2**

**ERIOPYGINI (6)**

PROTORTHODES McDunnough, 1943 - **1**  
 ULOLONCHE J. B. Smith, 1888 - **1**  
 ORTHODES Guenée, 1852 - **2**  
 TRICHOLITA Grote, 1875 - **1**  
 MARILOPTERYX Franclemont, 1982 - **1**

**GLOTTULINI (1)**

XANTHOPASTIS Hübner, [1821] - **1**

**NOCTUINAE (33)****AGROTINI (18)**

AGROTIS Ochsenheimer, 1816 - **7**  
 FELTIA Walker, 1856 - **3**  
 TRICHOSILIA Hampson, 1918 - **2**  
 EUOPTOCNEMIS Grote, 1874 - **2**  
 EUXOA Hübner, [1821] - **4**  
 Subgenus CHORIZAGROTIS J. B. Smith, 1890

Subgenus EUXOA Hübner, [1821]

**ANICLINI (8)**

RICHIA Grote 1887 - **1**

EUAGROTIS McDunnough, 1929 - **4**

ANICLA Grote, 1874 - **2**

PERIDROMA Hübner, [1821] - **1**

**NOCTUINI (7)**

XESTIA Hübner, 1818 - **5**

HEMIPACHNOBIA McDunnough, 1929 - **1**

CHOEPHORA Grote & Robinson, 1868 - **1**

ABAGROTIS J. B. Smith, 1890 - **1**

**HELIOTHINAE (42)**

DERRIMA Walker, [1858] - **1**

PYRRHIA Hübner, [1821] - **1**

RHODOECIA Hampson, 1910 - **1**

HELICOVERPA Hardwick, 1965 - **1**

HELIOTHIS Ochsenheimer, 1816 - **3**

HELIOCHEILUS Grote, 1865 - **2**

SCHINIA Hübner, 1818 - **32**

MELAPORPHYRIA Grote, 1874 - **1**

## NAME CHANGES

Many of the older names used by Kimball (1965) have since been transferred to other genera, or found to be synonyms of other species. In some cases both the genus and species name have been changed since Kimball's work. Families like Pyralidae, Arctiidae, Geometridae, and Noctuidae, which have been considerably revised over the last 40 years, have especially many name changes. This list will provide a quick summary of these changes. Older names are noted to the left and are listed alphabetically within each family (MONA number to the left); current scientific names are noted to the right.

Note that the Florida state butterfly, the zebra (formerly called *Heliconius charitonius*), has the spelling of its name corrected to *Heliconius charithonia* (Linnaeus).

### ADELIDAE

|     |                             |                                 |
|-----|-----------------------------|---------------------------------|
| 227 | <i>Adela bella</i> Chambers | <i>Adela caeruleella</i> Walker |
|-----|-----------------------------|---------------------------------|

### ARCTIIDAE

|      |  |  |
|------|--|--|
| 8199 | <i>Apantesis arge</i> (Drury)            | <i>Grammia arge</i> (Drury)              |
| 8198 | <i>Apantesis doris</i> (Boisduval)       | <i>Grammia doris</i> (Boisduval)         |
| 8196 | <i>Apantesis parthenice</i> (W. Kirby)   | <i>Grammia parthenice</i> (W. Kirby)     |
| 8194 | <i>Apantesis phyllira</i> (Drury)        | <i>Grammia phyllira</i> (Druce)          |
| 8191 | <i>Apantesis placentia</i> (J. E. Smith) | <i>Grammia placentia</i> (J. E. Smith)   |
| 8197 | <i>Apantesis virgo</i> (Linnaeus)        | <i>Grammia virgo</i> (Linnaeus)          |
| 8224 | <i>Calidota "strigosa" (Walker)"</i>     | <i>Calidota laqueata</i> (H. Edwards)    |
| 8227 | <i>Cynia insulata</i> (Walker)           | <i>Pareuchaetes insulata</i> (Walker)    |
| 8137 | <i>Diacrisia virginica</i> (Fabricius)   | <i>Spilosoma virginica</i> (Fabricius)   |
| 8146 | <i>Ecpantheria scribonia</i> (Stoll)     | <i>Hypercompe scribonia</i> (Stoll)      |
| 8134 | <i>Estigmene congrua</i> (Walker)        | <i>Spilosoma congrua</i> (Walker)        |
| 8136 | <i>Estigmene prima</i> (Slosson)         | <i>Spilosoma dubia</i> (Walker)          |
| 8271 | <i>Eucereon carolina</i> (H. Edwards)    | <i>Nelphe carolina</i> H. Edwards        |
| 8217 | <i>Halisidota longa</i> (Grote)          | <i>Leucanopsis longa</i> (Grote)         |
| 8129 | <i>Isia isabella</i> (J. E. Smith)       | <i>Pyrharctia isabella</i> (J. E. Smith) |

### ATTEVIDAE

|      |                                     |                                      |
|------|-------------------------------------|--------------------------------------|
| 2401 | <i>Atteva aurea</i> (Fitch)         | <i>Atteva pustulella</i> (Fabricius) |
| 2401 | <i>Atteva floridana</i> (Neumoegen) | <i>Atteva pustulella</i> (Fabricius) |

### BLASTOBASIDAE

|      |  |  |
|------|--|--|
| 1178 | <i>Holcocera eriobotryae</i> (Busck)       | <i>Holcocera crassicornella</i> Dietz    |
| 1169 | <i>Holcocera lepidophaga</i> Clarke        | <i>Calosima dianella</i> Dietz           |
| 1158 | <i>Zenodochium coccivorella</i> (Chambers) | <i>Holcocera coccivorella</i> (Chambers) |

### CHOREUTIDAE

|      |  |  |
|------|--|--|
| 2649 | <i>Choreutis busckiella</i> Kearfott   | <i>Tebenna carduiella</i> (Kearfott)     |
| 2649 | <i>Choreutis carduiella</i> Kearfott   | <i>Tebenna carduiella</i> (Kearfott)     |
| 2647 | <i>Choreutis gnaphaliella</i> Kearfott | <i>Tebenna gnaphaliella</i> (Kearfott)   |
| 2629 | <i>Choreutis inflatella</i> Clemens    | <i>Prochoreutis inflatella</i> (Clemens) |
| 2654 | <i>Tortyra diva</i> (Riley)            | <i>Hemerophila diva</i> (Riley)          |

### COSMOPTERIGIDAE

|      |   |  |
|------|---|--|
| 1508 | <i>Eteobalea sexnotella</i> (Chambers)  | <i>Stagmatophora sexnotella</i> (Chambers) |
| 1513 | <i>Sathrobrotia badia</i> Hodges        | <i>Pyroderces badia</i> (Hodges)           |
| 1512 | <i>Sathrobrotia rileyi</i> (Walsingham) | <i>Pyroderces rileyi</i> (Walsingham)      |
| 1499 | <i>Tanygona ipomoeae</i> Busck          | <i>Pebops ipomoeae</i> (Busck)             |

### ELACHISTIDAE

|      |                                  |                                       |
|------|----------------------------------|---------------------------------------|
| 1124 | <i>Elachista cucullata</i> Braun | <i>Biselachista cucullata</i> (Braun) |
|------|----------------------------------|---------------------------------------|

### GELECHIIDAE

|      |  |  |
|------|--|--|
| 1858 | <i>Adrasteia longifasciella</i> (Clemens)    | <i>Telphusa longifasciella</i> (Clemens) |
| 2187 | <i>Aroga coloradensis</i> (Busck)            | <i>Aroga compositella</i> (Walker)       |
| 2077 | <i>Chionodes vernella</i> (Murtfeldt)        | <i>Chionodes formosella</i> (Murtfeldt)  |
| 2231 | <i>Compsolechia argyrothamniella</i> (Busck) | <i>Anacampsis argyrothamniella</i> Busck |
| 2234 | <i>Compsolechia coverdalella</i> (Kearfott)  | <i>Anacampsis coverdalella</i> Kearfott  |
| 2240 | <i>Compsolechia lagunculariella</i> (Busck)  | <i>Anacampsis lagunculariella</i> Busck  |
| 2241 | <i>Compsolechia levipedella</i> (Clemens)    | <i>Anacampsis levipedella</i> (Clemens)  |
| 2242 | <i>Compsolechia lupinella</i> (Busck)        | <i>Anacampsis lupinella</i> Busck        |
| 2284 | <i>Dichomeris rustica</i> (Walsingham)       | <i>Dichomeris acuminata</i> (Staudinger) |
| 2310 | <i>Epicorthylis inversella</i> Zeller        | <i>Dichomeris inversella</i> (Zeller)    |
| 2203 | <i>Filatima bimaculella</i> (Chambers)       | <i>Fascista bimaculella</i> (Chambers)   |

|      |   |
|------|---|
| 2011 | <i>Gnorimoschema operculella</i> (Zeller)   |
| 2039 | <i>Gnorimoschema striatella</i> (Murtfeldt) |
| 2049 | <i>Keiferia glochinella</i> (Zeller)        |
| 1800 | <i>Recurvaria citriella</i> (Chambers)      |
| 1802 | <i>Recurvaria condiginella</i> Busck        |
| 2219 | <i>Stomopteryx crotalariella</i> (Busck)    |
| 1871 | <i>Telphusa fuscopunctella</i> (Clemens)    |
| 2275 | <i>Trichotaphe condaliavorella</i> Busck    |
| 2295 | <i>Trichotaphe flavocostella</i> (Clemens)  |
| 2270 | <i>Trichotaphe melantherella</i> Busck      |
| 2302 | <i>Trichotaphe setosella</i> Clemens        |

**GEOMETRIDAE**

|           |   |
|-----------|---|
| 6966      | <i>Abbottana clemataria</i> (J. E. Smith)         |
| 6570      | <i>Aethalura anticaria</i> (Walker)               |
| 6933-6941 | <i>Apicia</i> spp.                                |
| 6667-6668 | <i>Bapta</i> spp.                                 |
| 7299      | <i>Campptogramma australata</i> (Hulst)           |
| 7417      | <i>Camptolina stellata</i> (Guenée)               |
| 7084      | <i>Chlorissa pistasciaria</i> (Guenée)            |
| 7134-7140 | <i>Cosymbia</i> spp.                              |
| 6677-6678 | <i>Deilinia</i> spp.                              |
| 6797      | <i>Deuteronomos magnarius</i> (Guenée)            |
| 7214      | <i>Diactinia atricolorata</i> (Grt. & Rob.)       |
| 6735      | <i>Euchlaena pectinaria</i> (Hübner)              |
| 7416      | <i>Euphyia centrostrigaria</i> (Wollaston)        |
| 7330      | <i>Euphyia multiferata</i> (Walker)               |
| 6780      | <i>Euthyatira candida</i> J. B. Smith             |
| 7292      | <i>Hydria prunivorata</i> Ferguson                |
| 6837-6838 | <i>Hyperetis</i> spp.                             |
| 6711      | <i>Itame gausaparia</i> (Grote)                   |
| 6272      | <i>Itame latiferrugata</i> (Walker)               |
| 6712      | <i>Itame "nicetaria" (Guenée)"</i>                |
| 6713      | <i>Itame solitaria</i> (Walker)                   |
| 6803-6804 | <i>Loxogramma</i> spp.                            |
| 7196-7197 | <i>Lygris</i> spp.                                |
| 7094-7100 | <i>Metasiopsis</i> spp.                           |
| 7009      | <i>Nematocampa brunneolineata</i> (Hulst)         |
| 7010      | <i>Nematocampa expunctaria</i> – Kimball          |
| 7009      | <i>Nematocampa filamentaria</i> Guenée            |
| 7009      | <i>Nematocampa limbata</i> (Haworth)              |
| 7414      | <i>Nycterosea obstipata</i> (Fabricius)           |
| 7416      | <i>Orthonama centrostrigaria</i> (Wollaston)      |
| 6754      | <i>Pero hubneraria</i> (Guenée)                   |
| 6763      | <i>Phaeoura quernaria</i> (J. E. Smith)           |
| 6834      | <i>Priocyclus decoloraria</i> (Hulst)             |
| 6437-6440 | <i>Pseudoboarmia</i> spp.                         |
| 7028-7048 | <i>Racheospila</i> spp.                           |
| 7173-7180 | <i>Scelolophia</i> spp.                           |
| 7181      | <i>Scopula roseotincta</i> (Hulst)                |
| 6326-6405 | <i>Semiothisa</i> spp.                            |
| 6357      | <i>Semiothisa eremiata</i> (Guenée)               |
| 6880      | <i>Semiothisa flumenata</i> (Pearsall)            |
| 6358      | <i>Semiothisa ordinata</i> (Walker)               |
| 6360      | <i>Semiothisa quadrinotata</i> (Herrich-Schäffer) |
| 6752-6762 | <i>Stenaspilates</i> spp.                         |
| 6745      | <i>Stenotrachelys approximaria</i> (Hübner)       |
| 7101-7124 | <i>Sterrha</i> spp.                               |
| 7060.1    | <i>Synchlora "gerularia" (Hübner)</i>             |
| 6704-6705 | <i>Syrrhodia</i> spp.                             |
| 6974-74.1 | <i>Syssaura</i> spp.                              |
| 7148      | <i>Xystrota suavata</i> (Hulst)                   |

**GRACILLARIIDAE**

|         |   |
|---------|---|
| 673     | <i>Callisto geminatella</i> (Packard)       |
| 592-644 | <i>Gracillaria</i> spp.                     |
| 811     | <i>Lithocolletis caryaefoliella</i> Clemens |
| 742     | <i>Lithocolletis celtifoliella</i> Chambers |

|  |
|--|
| <i>Phthorimaea operculella</i> (Zeller)        |
| <i>Symmetrischema striatella</i> (Murtfeldt)   |
| <i>Tildenia glochinella</i> (Zeller)           |
| <i>Coleotechnites citriella</i> (Chambers)     |
| <i>Coleotechnites condiginella</i> (Busck)     |
| <i>Syncopacma crotalariella</i> (Busck)        |
| <i>Pseudotelphusa fuscopunctella</i> (Clemens) |
| <i>Dichomeris condaliavorella</i> (Busck)      |
| <i>Dichomeris flavocostella</i> (Clemens)      |
| <i>Helcystogramma melantherella</i> (Busck)    |
| <i>Dichomeris setosella</i> (Clemens)          |

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| <i>Eutrapela clemataria</i> (J. E. Smith)         |
| <i>Aethalura intertexta</i> (Walker)              |
| <i>Eusarca</i> spp.                               |
| <i>Lomographa</i> spp.                            |
| <i>Pterocypha floridata</i> (Walker)              |
| <i>Disclisioprocta stellata</i> (Guenée)          |
| <i>Hethemia pistasciaria</i> (Guenée)             |
| <i>Cyclophora</i> spp.                            |
| <i>Cabera</i> spp.                                |
| <i>Ennomos magnaria</i> Guenée                    |
| <i>Ecliptopera atricolorata</i> (Grt. & Rob.)     |
| <i>Euchlaena deductaria</i> (Walker)              |
| <i>Orthonama centrostrigaria</i> (Wollaston)      |
| <i>Anticlea multiferata</i> (Walker)              |
| <i>Ceratomyx satanaria</i> Guenée                 |
| <i>Rheumaptera prunivorata</i> (Ferguson)         |
| <i>Probole</i> spp.                               |
| <i>Thysanopyga intractata</i> (Walker)            |
| <i>Eumacaria latiferrugata</i> (Walker)           |
| <i>Thysanopyga prodatata</i> (Walker)             |
| <i>Episemasia solitaria</i> (Walker)              |
| <i>Petrophora</i> spp.                            |
| <i>Eulithis</i> spp.                              |
| <i>Lobodeta</i> spp.                              |
| <i>Nematocampa resistaria</i> (Herrich-Schäffer)  |
| <i>Nematocampa baggettaria</i> Ferguson           |
| <i>Nematocampa resistaria</i> (Herrich-Schäffer)  |
| <i>Nematocampa resistaria</i> (Herrich-Schäffer)  |
| <i>Orthonama obstipata</i> (Fabricius)            |
| <i>Costaconvexa centrostrigaria</i> (Wollaston)   |
| <i>Pero ancetaria</i> (Hübner)                    |
| <i>Nacophora quernaria</i> (J. E. Smith)          |
| <i>Cepphis decoloraria</i> (Hulst)                |
| <i>Hypomecis</i> spp.                             |
| <i>Nemoria</i> spp.                               |
| <i>Leptostales</i> spp.                           |
| <i>Lophosis labeculata</i> (Hulst)                |
| <i>Macaria</i> spp. (except 6357-6358, 6360)      |
| <i>Digrammia eremiata</i> (Guenée)                |
| <i>Destutia flumenata</i> (Pearsall)              |
| <i>Digrammia ordinata</i> (Walker)                |
| <i>Trigrammia quadrinotata</i> (Herrich-Schäffer) |
| <i>Pero</i> spp.                                  |
| <i>Cymatophora approximaria</i> Hübner            |
| <i>Idaea</i> spp.                                 |
| <i>Synchlora xysteraria</i> (Hulst)               |
| <i>Erastris</i> spp.                              |
| <i>Patalene</i> spp.                              |
| <i>Achratodes suavata</i> (Hulst)                 |

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| <i>Parornix geminatella</i> (Packard)          |
| <i>Caloptilia</i> spp.                         |
| <i>Cameraria caryaefoliella</i> (Clemens)      |
| <i>Phyllonorycter celtifoliella</i> (Chambers) |



815 *Lithocolletis cincinnatiella* Chambers  
 816 *Lithocolletis conglomeratella* Zeller  
 764 *Lithocolletis lucetiella* Clemens  
 835 *Lithocolletis quercivorella* Chambers  
 789 *Lithocolletis rileyella* Chambers

**HESPERIIDAE**

4051 *Atrytone delaware* (W. H. Edwards)  
 4148 *Megathymus harrisi* H. A. Freeman

**LIMACODIDAE**

4667-4669 *Limacodes* spp.  
 4700.1 *Sibine extensa* (Schaus)  
 4700 *Sibine stimulea* (Clemens)  
 4681 *Sisyrosea textula* (H.-S.)

**LYCAENIDAE**

4363 *Celastrina pseudargiolus* (Bois. & Lec.)  
 4351 *Electrostrymon endymion*.– auct.  
 4331-4332 *Euristrymon* spp.  
 4275 *Harkenclenus titus* (Fabricius)  
 4358.1 *Hemiargus ammon* (Lucas)  
 4358 *Hemiargus thomasi bethunebakeri* (C. & H.)  
 4325-4328 *Incisalia* spp.  
 4318-4319 *Mitoura* spp.  
 4345 *Strymon columella*.– auct.  
 4293 *Tmolus azia* (Hewitson)

**LYMANTRIIDAE**

8313-8316 *Hemerocampa* spp.  
 8292-8307 *Olene* spp.

**NEPTICULIDAE**

45 *Ectoedemia similella* Braun  
 76-99 *Nepticula* spp.

**NOCTUIDAE**

8435 *Acidaliodes eoides* B. & McD.  
 8889 *Agrapha oxygramma* (Geyer)  
 9284 *Agriopodes teratophora* (Herrich-Schäffer)  
 10967 *Anomogyna elimata* (Guenée)  
 10969 *Anomogyna janualis* (Grote)  
 8575 *Anticarsia repugnalis* (Hübner)  
 8886 *Argyrogramma basigera* (Walker)  
 8752 *Argyrostroma pacalis* (Walker)  
 9526 *Arzama densa* (Walker)  
 9169 *Atethmia rectifascia* (Grote)  
 9168 *Atethmia subusta* Hübner  
 8907 *Autographa biloba* (Stephens)  
 8894 *Autoplusia illustrata* (Guenée)  
 8651-8655 *Bendis* spp.  
 8577-8579 *Capnodes* spp.  
 8981 *Casandria abseuzalis* (Walker)  
 8982 *Casandria filifera* (Walker)  
 10032 *Catabena esula* (Druce)  
 8991 *Celama sorghiella* (Riley)  
 9062 *Chamyris cerinthia* (Treitschke)  
 8974 *Characoma proteella* (Walsh)  
 9003 *Cobubatha* spp.  
 10016-10019 *Copipanolis* spp.  
 8545 *Cosmophila erosa* (Hübner)  
 9035-9038 *Cryphia* spp.  
 9718 *Cyathissa percara* (Morrison)  
 11174 *Dasympodaea lucens* (Morrison)  
 8400-8401 *Dercetis* spp.  
 8578 *Egrylon filaria* J. B. Smith  
 8585 *Epidromia "delinquens"* (Walker)  
 8322-8336 *Epizeuxis* spp.

*Cameraria cincinnatiella* (Chambers)  
*Cameraria conglomeratella* (Zeller)  
*Phyllonorycter lucetiella* (Clemens)  
*Cameraria quercivorella* (Chambers)  
*Phyllonorycter rileyella* (Chambers)

*Anatrytone logan* (W. H. Edwards)  
*Megathymus cofaqui* (Strecker)

*Apoda* spp.  
*Achardia extensa* (Schaus)  
*Achardia stimulea* (Clemens)  
*Isa textula* (H.-S.)

*Celastrina ladon* (Cramer)  
*Electrostrymon sangala* (Hewitson)  
*Fixsenia* spp.  
*Satyrrium titus* (Fabricius)  
*Cyclargus ammon* (Lucas)  
*Cyclargus thomasi bethunebakeri* (C. & H.)  
*Callophrys* spp.  
*Callophrys* spp.  
*Strymon istapa* (Reakirt)  
*Ministrymon azia* (Hewitson)

*Orgyia* spp.  
*Dasychira* spp.

*Ectoedemia anguinella* (Clemens)  
*Stigmella* spp.

*Sigela eoides* (B. & McD.)  
*Ctenoplusia oxygramma* (Geyer)  
*Anterastris tearatophora* (Herrich-Schäffer)  
*Xestia elimara* (Guenée)  
*Xestia dilucida* (Morrison)  
*Azeta repugnalis* (Hübner)  
*Enigmogramma basigera* (Walker)  
*Ptichodis pacalis* (Walker)  
*Bellura densa* (Walker)  
*Bagisara rectifascia* (Grote)  
*Bagisara repanda* (Fabricius)  
*Megalographa biloba* (Stephens)  
*Notioplusia illustrata* (Guenée)  
*Lesmone* spp.  
*Antiblemma* spp.  
*Motya abseuzalis* Walker  
*Collomena filifera* (Walker)  
*Neogalea sunia* (Guenée)  
*Nola cereella* (Bosc)  
*Cerma cerinthia* (Treitschke)  
*Characoma nilotica* (Rogenhofer)  
*Tripudia* spp. [most spp.]  
*Psaphida* spp.  
*Anomis erosa* (Hübner)  
*Hyperstrotia* spp.  
*Emarginea percara* (Morrison)  
*Schinia lucens* (Morrison)  
*Redectis* spp.  
*Antiblemma filaria* (J. B. Smith)  
*Epidromia fergusonii* Solis  
*Idia* spp.

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|-------------|---|--|
| 8649        | <i>Erebus odora</i> (Linnaeus)              | <i>Ascalapha odorata</i> (L.)                    |
| 9077        | <i>Eumestleta cinnamomea</i> (H.-S.)        | <i>Eublemma cinnamomea</i> (Herrich-Schäffer)    |
| 9076        | <i>Eumicremma minima</i> (Guenée)           | <i>Eublemma minima</i> (Guenée)                  |
| 9078        | <i>Eumestleta obliquialis</i> (Fabricius)   | <i>Eublemma recta</i> (Guenée)                   |
| 8731        | <i>Euclidina cuspidata</i> (Hübner)         | <i>Euclidia cuspidata</i> (Hübner)               |
| 9632        | <i>Euherrichia granitosa</i> (Guenée)       | <i>Callopietria granitosa</i> (Guenée)           |
| 9633        | <i>Euherrichia monetifera</i> (Guenée)      | <i>Callopietria cordata</i> (Ljungh)             |
| 8968.1      | <i>Eutelia pyrastis</i> Hampson             | <i>Eutelia furcata</i> (Walker)                  |
| 8573        | <i>Euthermesia absumens</i> Walker          | <i>Metallata absumens</i> (Walker)               |
| 9301        | <i>Euthisanotia grata</i> (Fabricius)       | <i>Eudryas grata</i> (Fabricius)                 |
| 9299        | <i>Euthisanotia unio</i> (Hübner)           | <i>Eudryas unio</i> (Hübner)                     |
| 10012-10015 | <i>Eutolype</i> spp.                        | <i>Psaphida</i> spp.                             |
| 9023        | <i>Exyra nigrocaput</i> (Morrison)          | <i>Exyra ridingsii</i> (Riley)                   |
| 10670       | <i>Feltia ducens</i> Walker                 | <i>Feltia jaculifera</i> (Guenée)                |
| 10680       | <i>Feltia geniculata</i> Grote & Robinson   | <i>Trichosilia geniculata</i> (Grote & Robinson) |
| 10665       | <i>Feltia repleta</i> Walker                | <i>Agrotis repleta</i> (Walker)                  |
| 10664       | <i>Feltia subterranea</i> (Fabricius)       | <i>Agrotis subterranea</i> (Fabricius)           |
| 10942.1     | <i>Graphiphora</i> "c-nigrum" (Linnaeus)"   | <i>Xestia dolosa</i> Franclemont                 |
| 9631        | <i>Haploolophus mollissima</i> (Guenée)     | <i>Callopietria mollissima</i> (Guenée)          |
| 9124-9131   | <i>Heliconia</i> spp.                       | <i>Spragueia</i> spp.                            |
| 11074       | <i>Heliothis paradoxus</i> (Grote)          | <i>Heliocheilus paradoxus</i> Grote              |
| 11073       | <i>Heliothis turbatus</i> (Walker)          | <i>Heliocheilus turbatus</i> (Walker)            |
| 11068       | <i>Heliothis zea</i> (Boddie)               | <i>Helicoverpa zea</i> (Boddie)                  |
| 8360-8361   | <i>Hormisa</i> spp.                         | <i>Macrochilo</i> spp.                           |
| 8431        | <i>Hypenopsis macula</i> (Druce)            | <i>Schrankia macula</i> (Druce)                  |
| 9665-9673   | <i>Laphygma</i> spp.                        | <i>Spodoptera</i> spp.                           |
| 8491        | <i>Legna perditalis</i> (Walker)            | <i>Ledaia perditalis</i> (Walker)                |
| 9053/9055.1 | <i>Lithacodia carneola</i> (Guenée)         | <i>Pseudeustrotia carneola</i> (Guenée)          |
| 8644        | <i>Lois lorina</i> (Druce)                  | <i>Orodesma apicina</i> Herrich-Schäffer         |
| 10869       | <i>Loxagrotis grotei</i> Franclemont & Todd | <i>Richia grotei</i> (Franclemont & Todd)        |
| 8983        | <i>Meganola minuscula</i> (Zeller)          | <i>Rhynchopalpus minuscula</i> (Zeller)          |
| 9057        | <i>Neoerastria apicosa</i> (Haworth)        | <i>Homophoberia apicosa</i> (Haworth)            |
| 9056        | <i>Neoerastria caduca</i> (Grote)           | <i>Homophoberia cristata</i> Morrison            |
| 10032       | <i>Neogalea esula</i> (Druce)               | <i>Neogalea sunia</i> (Guenée)                   |
| 9592        | <i>Neperigea tapeta</i> (J. B. Smith)       | <i>Properigea tapeta</i> (J. B. Smith)           |
| 8983        | <i>Nola minuscula</i> (Zeller)              | <i>Rhynchopalpus minuscula</i> (Zeller)          |
| 8991        | <i>Nola sorghiella</i> Riley                | <i>Nola cereella</i> (Bosc)                      |
| 8560        | <i>Noropsis hieroglyphica</i> (Cramer)      | <i>Diphthera festiva</i> (Fabricius)             |
| 8543        | <i>Ophideres materna</i> (Linnaeus)         | <i>Eudocima materna</i> (Linnaeus)               |
| 10563       | <i>Orthodes oviduca</i> (Guenée)            | <i>Protorthodes oviduca</i> (Guenée)             |
| 8724-8726   | <i>Parallela</i> spp.                       | <i>Dysgonia</i> spp.                             |
| 8437        | <i>Phobolosa brimleyana</i> Dyar            | <i>Abablemma brimleyana</i> (Dyar)               |
| 9444        | <i>Phragmatiphila interrogans</i> (Walker)  | <i>Franclemontia interrogans</i> (Walker)        |
| 9522        | <i>Phuphena u-album</i> (Guenée)            | <i>Iodopepla u-album</i> (Guenée)                |
| 11203       | <i>Pippona carolinensis</i> (B. & McD.)     | <i>Schinia carolinensis</i> (B. & McD.)          |
| 9690-9714   | <i>Platysenta</i> spp.                      | <i>Condica</i> spp.                              |
| 8898        | <i>Plusia aerea</i> (Hübner)                | <i>Allagrapha aerea</i> (Hübner)                 |
| 8897        | <i>Plusia balluca</i> (Geyer)               | <i>Diachrysia balluca</i> (Geyer)                |
| 9755        | <i>Polenta richii</i> Grote                 | <i>Plagiomimicus tepperi</i> (Morrison)          |
| 10518       | <i>Polia distincta</i> (Hübner)             | <i>Achatia distincta</i> (Hübner)                |
| 10304       | <i>Polia legitima</i> (Grote)               | <i>Trichordestra legitima</i> (Grote)            |
| 10368       | <i>Polia meditata</i> (Grote)               | <i>Lacinipolia meditata</i> (Grote)              |
| 9115        | <i>Ponometia costalis</i> (Walker)          | <i>Ponometia exigua</i> (Fabricius)              |
| 9115        | <i>Ponometia indubitans</i> (Walker)        | <i>Ponometia exigua</i> (Fabricius)              |
| 9665-9673   | <i>Prodenia</i> spp.                        | <i>Spodoptera</i> spp.                           |
| 9039        | <i>Protocryphia flaviguttata</i> (Grote)    | <i>Hyperstrotia flaviguttata</i> (Grote)         |
| 9040        | <i>Protocryphia secta</i> (Grote)           | <i>Hyperstrotia secta</i> (Grote)                |
| 8561        | <i>Raparna melanospila</i> (Guenée)         | <i>Janseodes melanospila</i> (Guenée)            |
| 11107       | <i>Rhododipsa fulleri</i> McElvare          | <i>Schinia fulleri</i> McElvare                  |
| 11164-68    | <i>Rhodophora</i> spp.                      | <i>Schinia</i> spp.                              |
| 8666        | <i>Safia amella</i> (Guenée)                | <i>Metria amella</i> (Guenée)                    |
| 8411        | <i>Salia interpuncta</i> (Grote)            | <i>Colobochyla interpuncta</i> (Grote)           |
| 8975        | <i>Sarrothripus frigidana</i> (Walker)      | <i>Nycteola frigidana</i> (Walker)               |
| 8658        | <i>Selenis monotropa</i> (Grote)            | <i>Selenisa sueroides</i> (Guenée)               |
| 9441        | <i>Senta enervata</i> (Guenée)              | <i>Hypocoena enervata</i> (Guenée)               |
| 8589        | <i>Siavana repanda</i> Walker               | <i>Panopoda repanda</i> (Walker)                 |
| 9748        | <i>Stibadium spumosum</i> Grote             | <i>Plagiomimicus spumosum</i> (Grote)            |
| 8769        | <i>Strenoloma lunilinea</i> (Grote)         | <i>Spiloloma lunilinea</i> (Grote)               |

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| 8641  | <i>Synedoida grandirena</i> (Haworth)  |
| 10633 | <i>Tricholita lutina</i> (J. B. Smith) |
| 8889  | <i>Trichoplusia oxygramma</i> (Geyer)  |
| 10640 | <i>Xanthopastis regnatrix</i> (Grote)  |
| 9044  | <i>Xanthoptera nigrofimbria</i> Guenée |
| 10517 | <i>Xylomyges alternans</i> (Walker)    |

**NOTODONTIDAE**

|           |   |
|-----------|---|
| 7937      | <i>Cerura cinerea</i> (Walker)            |
| 7936      | <i>Cerura borealis</i> (Guérin-Méneville) |
| 8012-8017 | <i>Dicentria</i> spp.                     |
| 7945-7947 | <i>Eunystalea</i> spp.                    |
| 7975      | <i>Fentonia marthesia</i> (Cramer)        |
| 7999      | <i>Heterocampa bilineata</i> Packard      |
| 7998      | <i>Heterocampa manteo</i> (Doubleday)     |
| 7895-7896 | <i>Ichthyura</i> spp.                     |
| 7919-7921 | <i>Lophodonta</i> spp.                    |
| 7997      | <i>Misogada</i> "pallida Schaus"          |

**NYMPHALIDAE**

|      |  |
|------|--|
| 4418 | <i>Heliconius charitonius</i> (Linnaeus) |
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**OECOPHORIDAE**

|           |  |
|-----------|--|
| 1024      | <i>Antaeotricha vestalis</i> (Zeller)      |
| 1010.1    | <i>Brachmia kyotensis</i> (Matsumura)      |
| 1009      | <i>Durrantia obiterella</i> Busck          |
| 1046      | <i>Epicalima argenticintella</i> (Clemens) |
| 1066      | <i>Martyringa ravicapitis</i> Hodges       |
| 957       | <i>Psilocorsis caryae</i> Clarke           |
| 956       | <i>Psilocorsis faginella</i> (Chambers)    |
| 956       | <i>Psilocorsis obsoletella</i> (Zeller)    |
| 1026      | <i>Setiostoma xanthobasis</i> Zeller       |
| 1011-1024 | <i>Stenoma</i> spp.                        |
| 1032      | <i>Stenoma mistrella</i> Busck             |

**OPOSTEGIDAE**

|     |  |
|-----|--|
| 121 | <i>Opostega albogaleriella</i> Clemens |
| 124 | <i>Opostega kempella</i> Eyer          |
| 125 | <i>Opostega scioterma</i> Meyrick      |

**PLUTELLIDAE**

|      |                                       |
|------|---------------------------------------|
| 2366 | <i>Plutella maculipennis</i> (Curtis) |
|------|---------------------------------------|

**PSYCHIDAE**

|     |  |
|-----|--|
| 450 | <i>Eurukuttarus cacocnemos</i> Jones     |
| 451 | <i>Eurukuttarus celibata</i> Jones       |
| 442 | <i>Platoeceticus gloveri</i> Packard     |
| 441 | <i>Platoeceticus nigrata</i> (B. & McD.) |

**PTEROPHORIDAE**

|        |   |
|--------|---|
| 6142.2 | <i>Marasmarcha pumilio</i> (Zeller)     |
| 6122   | <i>Platyptilia brevipennis</i> Zeller   |
| 6125   | <i>Platyptilia carolina</i> Kearfott    |
| 6119.1 | <i>Platyptilia</i> "edwardsii Fish"     |
| 6119.1 | <i>Platyptilia taprobanes</i> F. & R.   |
| 6120   | <i>Stenoptilia parva</i> (Walsingham)   |
| 6104   | <i>Trichoptilus defectalis</i> (Walker) |

**PYRALIDAE**

|      |  |
|------|--|
| 5624 | <i>Aganactesis indecora</i> Dyar       |
| 6041 | <i>Alamosa bipunctella</i> B. & McD.   |
| 6020 | <i>Anagasta kuehniella</i> (Zeller)    |
| 5284 | <i>Anania florella</i> (Stoll)         |
| 5287 | <i>Anania haemorrhoidalis</i> (Guenée) |
| 5286 | <i>Anania mizaralis</i> (Druce)        |
| 5285 | <i>Anania tytiusalis</i> (Walker)      |
| 6068 | <i>Anerastia ella</i> (Hulst)          |
| 5127 | <i>Antiercta ornatalis</i> (Duponchel) |

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| <i>Drasteria grandirena</i> (Haworth)    |
| <i>Marilopteryx lutina</i> (J. B. Smith) |
| <i>Agrapha oxygramma</i> (Geyer)         |
| <i>Xanthopastis timais</i> (Cramer)      |
| <i>Thioptera nigrofimbria</i> (Guenée)   |
| <i>Egira alternans</i> (Walker)          |

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| <i>Furcula cinerea</i> (Walker)            |
| <i>Furcula borealis</i> (Guérin-Méneville) |
| <i>Oligocentria</i> spp.                   |
| <i>Nystalea</i> spp.                       |
| <i>Macrurocampa marthesia</i> (Cramer)     |
| <i>Lochmaeus bilineata</i> (Packard)       |
| <i>Lochmaeus manteo</i> Doubleday          |
| <i>Clostera</i> spp.                       |
| <i>Peridea</i> spp.                        |
| <i>Heterocampa zayasi</i> (Torre & Alayo)  |

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| <i>Heliconius charithonia</i> (Linnaeus) |
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|---|
| <i>Antaeotricha albulella</i> (Walker)        |
| <i>Autosticha kyotensis</i> (Matsumura)       |
| <i>Pseuderotis obiterella</i> (Busck)         |
| <i>Callima argenticinctella</i> Clemens       |
| <i>Martyringa xeraula</i> (Meyrick)           |
| <i>Psilocorsis reflexella</i> Clemens         |
| <i>Psilocorsis cryptolechiella</i> (Chambers) |
| <i>Psilocorsis cryptolechiella</i> (Chambers) |
| <i>Rectiostoma xanthobasis</i> (Zeller)       |
| <i>Antaeotricha</i> spp.                      |
| <i>Gonioterma mistrella</i> (Busck)           |

|   |
|---|
| <i>Pseudopostega albogaleriella</i> (Clemens) |
| <i>Pseudopostega kempella</i> (Eyer)          |
| <i>Opostegoides scioterma</i> (Meyrick)       |

|                                       |
|---------------------------------------|
| <i>Plutella xylostella</i> (Linnaeus) |
|---------------------------------------|

|   |
|---|
| <i>Basycladus tracyi</i> (Jones)        |
| <i>Basycladus celibatus</i> (Jones)     |
| <i>Cryptolechia gloveri</i> (Packard)   |
| <i>Cryptolechia nigrata</i> (B. & McD.) |

|   |
|---|
| <i>Exelastis pumilio</i> (Zeller)         |
| <i>Stenoptilodes brevipennis</i> (Zeller) |
| <i>Stenoptilodes carolina</i> (Kearfott)  |
| <i>Mariana taprobanes</i> (F. & R.)       |
| <i>Mariana taprobanes</i> (F. & R.)       |
| <i>Lioptilodes parvus</i> (Walsingham)    |
| <i>Megalorhipida defectalis</i> (Walker)  |

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| <i>Trachylepidia fructicassiella</i> Ragonot |
| <i>Coenochroa bipunctella</i> (B. & McD.)    |
| <i>Ephestia kuehniella</i> Zeller            |
| <i>Syngamia florella</i> (Stoll)             |
| <i>Salbia haemorrhoidalis</i> (Guenée)       |
| <i>Salbia mizaralis</i> (Druce)              |
| <i>Salbia tytiusalis</i> (Walker)            |
| <i>Homosassa ella</i> (Hulst)                |
| <i>Hydriris ornatalis</i> (Duponchel)        |

|           |   |   |
|-----------|---|---|
| 5465      | <i>Argyria auratella</i> (Clemens)            | <i>Vaxi auratella</i> (Clemens)                       |
| 5466      | <i>Argyria critica</i> Forbes                 | <i>Vaxi critica</i> (Forbes)                          |
| 5464      | <i>Argyria nivalis</i> (Drury)                | <i>Urola nivalis</i> (Drury)                          |
| 6042      | <i>Aurora longipalpella</i> Ragonot           | <i>Peoria longipalpella</i> (Ragonot)                 |
| 6027      | <i>Bandera carneella</i> B. & McD.            | <i>Wakulla carneella</i> (B. & McD.)                  |
| 4939      | <i>Blepharomastix "acutangularis</i> (Sn.)"   | <i>Pseudopyrausta santatalis</i> (B. & McD.)          |
| 5188      | <i>Blepharomastix apicalis</i> (Guenée)       | <i>Hileithia apicalis</i> (Guenée)                    |
| 5190      | <i>Blepharomastix differentialis</i> (Dyar)   | <i>Hileithia differentialis</i> (Dyar)                |
| 5158      | <i>Blepharomastix ebulealis</i> (Guenée)      | <i>Ategumia ebulealis</i> (Guenée)                    |
| 5193      | <i>Blepharomastix eudamidasalis</i> (Druce)   | <i>Diasemiodes eudamidasalis</i> (Druce) [see 5173.1] |
| 5187      | <i>Blepharomastix magualis</i> (Guenée)       | <i>Hileithia magualis</i> (Guenée)                    |
| 5214      | <i>Boeotarcha stigmatialis</i> (Warren)       | <i>Omiodes stigmatialis</i> (Warren)                  |
| 6054      | <i>Chipeta perlepidella</i> Hulst             | <i>Peoria luteicostella</i> (Ragonot)                 |
| 5154      | <i>Chrysobotys cambogialis</i> (Guenée)       | <i>Loxomorpha cambogialis</i> (Guenée)                |
| 5563      | <i>Clydonopteron tecomae</i> Riley            | <i>Clydonopteron sacculana</i> (Bosc)                 |
| 5419      | <i>Crambus biguttellus</i> (Forbes)           | <i>Microcrambus biguttellus</i> (Forbes)              |
| 5450      | <i>Crambus decorellus</i> (Zincken)           | <i>Parapediasia decorella</i> (Zincken)               |
| 5423      | <i>Crambus discludellus</i> Möschler          | <i>Microcrambus discledellus</i> (Möschler)           |
| 5420      | <i>Crambus elegans</i> Clemens                | <i>Microcrambus elegans</i> (Clemens)                 |
| 5433      | <i>Crambus haytiellus</i> (Zincken)           | <i>Fissicrambus haytiellus</i> (Zincken)              |
| 5434      | <i>Crambus hemiochrellus</i> Zeller           | <i>Fissicrambus hemiochrellus</i> (Zeller)            |
| 5422      | <i>Crambus minor</i> Forbes                   | <i>Microcrambus minor</i> (Forbes)                    |
| 5437      | <i>Crambus minuellus</i> Walker               | <i>Fissicrambus minuellus</i> (Walker)                |
| 5435      | <i>Crambus mutabilis</i> Clemens              | <i>Fissicrambus mutabilis</i> (Clemens)               |
| 5451      | <i>Crambus teterrellus</i> (Zincken)          | <i>Parapediasia teterrella</i> (Zincken)              |
| 5467      | <i>Crambus tripsacas</i> Dyar                 | <i>Vaxi tripsacas</i> (Dyar)                          |
| 5413      | <i>Crambus trisecta</i> (Walker)              | <i>Pediasia trisecta</i> (Walker)                     |
| 5403      | <i>Crambus vulgivagellus</i> Clemens          | <i>Agriphila vulgivagella</i> (Clemens)               |
| 5468      | <i>Diatraenopsis differentialis</i> (Fernald) | <i>Epina dichromella</i> (Walker)                     |
| 6022      | <i>Ephesia cautella</i> (Walker)              | <i>Cadra cautella</i> (Walker)                        |
| 5575-5579 | <i>Epipaschia</i> spp.                        | <i>Macalla</i> spp.                                   |
| 5561      | <i>Epitamyra birectalis</i> (Hampson)         | <i>Salobrena vacuana</i> (Walker)                     |
| 5565      | <i>Epitamyra minusculalis</i> (Möschler)      | <i>Streptopalpia minusculalis</i> (Möschler)          |
| 5454      | <i>Euchromius texana</i> (Robinson)           | <i>Euchromius ocellus</i> (Haworth)                   |
| 4738      | <i>Eudoria strigalis</i> (Dyar)               | <i>Eudonia strigalis</i> (Dyar)                       |
| 5331      | <i>Eugrotea incertella</i> (Zincken)          | <i>Mesolia incertella</i> (Zincken)                   |
| 5121      | <i>Falcimorpha philogelos</i> (Dyar)          | <i>Microphysetica hermeasalis</i> (Walker)            |
| 5212      | <i>Hedylepta indicata</i> (Fabricius)         | <i>Omiodes indicata</i> (Fabricius)                   |
| 5530      | <i>Herculia binodulalis</i> (Zeller)          | <i>Dolichomia binodulalis</i> (Zeller)                |
| 5526      | <i>Herculia intermediaris</i> (Walker)        | <i>Pseudasopia intermediaris</i> (Walker)             |
| 5533      | <i>Herculia olinalis</i> (Guenée)             | <i>Dolichomia olinalis</i> (Guenée)                   |
| 5531      | <i>Herculia sordidalis</i> B. & McD.          | <i>Ocrasa nostralis</i> (Guenée)                      |
| 5273      | <i>Herpetogramma ipomoealis</i> (Capps)       | <i>Herpetogramma fluctuosalis</i> (Lederer)           |
| 5732      | <i>Homalopalpia dalera</i> Dyar               | <i>Davara caricae</i> (Dyar)                          |
| 5170      | <i>Hymenia recurvalis</i> (Fabricius)         | <i>Spoladea recurvalis</i> (Fabricius)                |
| 6054      | <i>Hypostropa luteicostella</i> Ragonot       | <i>Peoria luteicostella</i> (Ragonot)                 |
| 5584      | <i>Jocara breviornatalis</i> (Grote)          | <i>Toripalpus breviornatalis</i> (Grote)              |
| 5582      | <i>Jocara incrustalis</i> (Hulst)             | <i>Deuterollyta majuscula</i> Herrich-Schäffer        |
| 5587.1    | <i>Jocara trilinearis</i> Hampson             | <i>Milgitha trilinearis</i> (Hampson)                 |
| 5271      | <i>Lamprosema iarchasalis</i> (Walker)        | <i>Bicilia iarchasalis</i> (Walker)                   |
| 5194.1    | <i>Lamprosema inabsconsalis</i> (Möschler)    | <i>Sisyracera inabsconsalis</i> (Möschler)            |
| 5252      | <i>Leptotygris reginalis</i> (Stoll)          | <i>Lyptotigris reginalis</i> (Stoll)                  |
| 4986      | <i>Loxostege dasconalis</i> Walker            | <i>Sitochroa dasconalis</i> (Walker)                  |
| 4980      | <i>Loxostege helvialis</i> Walker             | <i>Helvibotys helvialis</i> (Walker)                  |
| 4967      | <i>Loxostege mancalis</i> (Lederer)           | <i>Hahncappsia mancalis</i> (Lederer)                 |
| 4962      | <i>Loxostege "obliteralis</i> (Walker)"       | <i>Hahncappsia marculenta</i> (Grt. & Rob.)           |
| 4975      | <i>Loxostege "similalis</i> (Guenée)"         | <i>Achyra rantalis</i> (Guenée)                       |
| 5246      | <i>Lygropia chromalis</i> (Guenée)            | <i>Phaenodropsis chromalis</i> (Guenée)               |
| 5247      | <i>Lygropia stictigramma</i> (Hampson)        | <i>Phaenodropsis stictigramma</i> (Hampson)           |
| 5638-5639 | <i>Macrotheca</i> spp.                        | <i>Cacotherapia</i> spp.                              |
| 5157.1    | <i>Maruca testulalis</i> (Geyer)              | <i>Maruca vitrata</i> (Fabricius)                     |
| 5192      | <i>Nacoleia hampsoni</i> B. & McD.            | <i>"Lygropia" fusalis</i> Hampson [see 5251.1]        |
| 5156      | <i>Nomophila "noctuella</i> (D. & S.)"        | <i>Nomophila nearctica</i> Munroe                     |
| 5964      | <i>Ollia parvella</i> Dyar                    | <i>Welderella parvella</i> (Dyar)                     |
| 5272-5284 | <i>Pachyzancla</i> spp.                       | <i>Herpetogramma</i> spp.                             |
| 5724      | <i>Paramyeloides transitella</i> (Walker)     | <i>Amyeloides transitella</i> (Walker)                |
| 4771-4778 | <i>Paragyraetis</i> spp.                      | <i>Petrophila</i> spp.                                |
| 4770      | <i>Paragyraetis drumalis</i> (Dyar)           | <i>Argyraetis drumalis</i> (Dyar)                     |

5300-5306 *Patissa* spp.  
 6048 *Pectinigeria bistratella* (Hulst)  
 6066 *Peoria albicostella* (Grossbeck)  
 6754 *Pero hubneraria* (Guenée)  
 4770 *Petrophila drumalis* (Dyar)  
 4937 *Phlyctaenia acutella* Walker  
 4956 *Phlyctaenia extricalis* (Guenée)  
 5211 *Phostria simialis* (Guenée)  
 5179 *Pileotocera bufalis* (Guenée)  
 5157 *Pilemia periusalis* (Walker)  
 5180 *Pileotocera simplicialis* B. & McD.  
 5195 *Pilocrocis "inguinalis"* (Guenée)  
 5249 *Pilocrocis plumbicostalis* (Grote)  
 5248 *Pilocrocis tripunctata* (Fabricius)  
 5141 *Pilocrocis tristigmalis* Hampson  
 5499 *Platytes multilineatella* (Hulst)  
 5500 *Platytes panalope* Dyar  
 5502 *Platytes punctilineella* B. & McD.  
 5590 *Pococera atramentalis* Lederer  
 5942 *"Poujada quadricolorella"* (Dyar)  
 5902 *Psammia flavipicta* Hampson  
 5188 *Pterygisus apicalis* (Guenée)  
 5177 *Pterygisus stenialis* (Guenée)  
 5123 *Pyrausta costimaculalis* Fernald  
 4950 *Pyrausta fumalis* (Guenée)  
 5946 *Rotruda "mucidella"* (Ragonot)  
 5560 *Salobrena rubiginea* (Hampson)  
 5143 *Sameodes adipaloides* (Grt. & Rob.)  
 5149 *Sameodes albigitallus* (Warren)  
 5142 *Sameodes elealis* (Walker)  
 5145 *Sameodes mopsalis* (Walker)  
 5144 *Sameodes phyllisalis* (Walker)  
 5313-5324 *Schoenobius* spp.  
 5307 *Scirpophaga perstrialis* (Hübner)  
 5308 [5307] *Scirpophaga repugnatalis* (Walker)  
 5153 *Somatania pellucidalis* Möschler  
 6049 *Statina roseotinctella* Ragonot  
 5110 *Stenoptycha solanalis* B. & McD.  
 5244 *Sylepta fluctuosalis* (Lederer)  
 5213 *Sylepta miamialis* Schaus  
 5268 *Sylepta obscuralis* (Lederer)  
 5242 *Sylepta penumbralis* (Grote)  
 5243 *Sylepta silicalis* (Guenée)  
 5595-5620 *Tetralopha* spp.  
 6043 *Tolima roseopennella* (Hulst)  
 5908.1 *Vogtia malloi* Pastrana  
 5110 *Zellerina solanalis* (Barnes & McDunnough)  
 5968 *Zophodia convolutella* (Hübner)

**SATURNIIDAE**

7767 *Platysamia cecropia* (Linnaeus)  
 7757 *Telea polyphemus* (Cramer)

**SCYTHRIDIDAE**

1667 *Scythris oxyplecta* Meyrick

**SPHINGIDAE**

7884-7885 *Ampeloeca* spp.  
 7783 *Chlaenogramma jasminearum* (G.-M.)  
 7827 *Cressonia juglandis* (J. E. Smith)  
 7771 *Herse cingulata* (Fabricius)  
 7775-7782 *Phlegonthius* spp.  
 7859-7866 *Pholus* spp.

**THYRIDIDAE**

6084 *Meskea subapicula* Dyar  
 6086 *Rhodoneura myrsusalis* (Walker)  
 6077 *Thyris lugubris* (Boisduval)

*Leptosteges* spp.  
*Peoria gemmatella* (Hulst)  
*Arivaca albicostella* (Grossbeck)  
*Pero ancetaria* (Hübner)  
*Argyractis drumalis* (Dyar)  
*Nascia acutella* (Walker)  
*Nealgedonia extricalis* (Guenée)  
*Omiodes simialis* (Guenée)  
*Penestola bufalis* (Guenée)  
*Rhctocraspeda periusalis* (Walker)  
*Penestola simplicialis* (B. & McD.)  
*Eulepte anticostalis* (Grote)  
*Lygropia plumbicostalis* (Grote)  
*Lygropia tripunctata* (Fabricius)  
*Mimorista tristigmalis* (Hampson)  
*Xubida linearella* (Zeller)  
*Xubida panalope* (Dyar)  
*Xubida punctilineella* (B. & McD.)  
*Tallula atramentalis* (Lederer)  
*Laetilia coccidivora* (J. H. Comstock)  
*Ragonotia dotalis* (Hulst)  
*Blepharomastix apicalis* (Guenée)  
*Apogeshna stenialis* (Guenée)  
*Deuterophysa fernaldi* Munroe  
*Fumibotys fumalis* (Guenée)  
*Phycitodes albatella* (Ragonot)  
*Salobrena recurvata* (Möschler)  
*Diacme adipaloides* (Grt. & Rob.)  
*Niphograptia albigitallus* (Warren)  
*Diacme elealis* (Walker)  
*Diacme mopsalis* (Walker)  
*Diacme phyllisalis* (Walker)  
*Donacula* spp.  
*Carectocultus perstrialis* (Hübner)  
*Carectocultus perstrialis* (Hübner)  
*Crocidocnemis pellucidalis* (Möschler)  
*Peoria roseotinctella* (Ragonot)  
*Zellerina solanalis* (B. & McD.)  
*Pleuroptya fluctuosalis* (Lederer)  
*Omiodes rufescens* (Hampson)  
*Psara obscuralis* (Lederer)  
*Pleuroptya penumbralis* (Grote)  
*Pleuroptya silicalis* (Guenée)  
*Pococera* spp.  
*Peoria bipartitella* Ragonot  
*Arcola malloi* (Pastrana)  
*Atomopteryx solanalis* (Barnes & McDunnough)  
*Zophodia grossulariella* (Hübner)

*Hyalophora cecropia* (Linnaeus)  
*Antheraea polyphemus* (Cramer)

*Arotrura oxyplecta* (Meyrick)

*Darapsa* spp.  
*Manduca jasminearum* (G.-M.)  
*Laothoe juglandis* (J. E. Smith)  
*Agrius cingulatus* (Fabricius)  
*Manduca* spp.  
*Eumorpha* spp.

*Rhodoneura terminalis* (Walker)  
*Banisia myrsusalis* (Walker)  
*Pseudothyris sepulchralis* (Bdv.)

**TINEIDAE**

|       |   |
|-------|---|
| 410.1 | <i>Achanodes antipathetica</i> Forbes   |
| 311   | <i>Fernaldia anatomella</i> Grote       |
| 390   | <i>Phereoeca dubitatrix</i> (Meyrick)   |
| 390   | <i>Phereoeca walsinghami</i> (Busck)    |
| 423   | <i>Praeaces thecophora</i> (Walsingham) |
| 261   | <i>Tinea acapnopennella</i> Clemens     |
| 263   | <i>Tinea auropulvella</i> (Chambers)    |
| 325   | <i>Tinea misella</i> Zeller             |
| 324   | <i>Tinea obscuroides</i> (Chambers)     |
| 272   | <i>Tinea rileyi</i> Dietz               |
| 423   | <i>Tinea seminolella</i> Beutenmüller   |
| 422   | <i>Tinea trimaculella</i> Chambers      |
| 414   | <i>Tinea vicinella</i> Dietz            |

**TISCHERIIDAE**

|     |  |
|-----|--|
| 143 | <i>Coptotriche zelleriella</i> (Clemens) |
|-----|--|

**TORTRICIDAE**

|           |   |
|-----------|---|
| 3370      | <i>Anchylopera platanana</i> Clemens        |
| 2768      | <i>Aphania removana</i> Kearfott            |
| 3693      | <i>Aphelia pallorana</i> (Robinson)         |
| 2770      | <i>Badebecia urticana</i> (Hübner)          |
| 3449-3493 | <i>Carpocapsa</i> spp.                      |
| 3722      | <i>Cenopsis directana</i> (Walker)          |
| 3774      | <i>Commophila contrastana</i> Kearfott      |
| 3496      | <i>Ecdytolopha desotana</i> (Heinrich)      |
| 3495      | <i>Ecdytolopha punctidiscana</i> (Dyar)     |
| 3279      | <i>Epinotia lantana</i> Busck               |
| 3330      | <i>Epinotia unica</i> Heinrich              |
| 2802      | <i>Exartema hippocastanum</i> Kearfott      |
| 2817      | <i>Exartema permundana</i> Clemens          |
| 3273      | <i>Griselda pennsylvaniana</i> (Kearfott)   |
| 3801      | <i>Hysterosia birdana</i> Busck             |
| 3449-3492 | <i>Laspeyresia</i> spp.                     |
| 3781      | <i>Lorita abornana</i> Busck                |
| 3494      | <i>Melissopus latiferreana</i> (Walsingham) |
| 2898      | <i>Petrova gemistrigulana</i> (Kearfott)    |
| 3769      | <i>Phalonia bunteana</i> (Robinson)         |
| 2745      | <i>Taniva albolineana</i> (Kearfott)        |
| 2752      | <i>Zomaria andromedana</i> (Barnes & McD.)  |
| 2751      | <i>Zomaria rosaochreana</i> (Kearfott)      |

**ZYGAENIDAE**

|      |                                   |
|------|-----------------------------------|
| 4639 | <i>Malthaca dimidiata</i> (H.-S.) |
|------|-----------------------------------|

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|---|
| <i>Xystrologa antipathetica</i> (Forbes)    |
| <i>Scardia anatomella</i> (Grote)           |
| <i>Phereoeca uterella</i> (Walsingham)      |
| <i>Phereoeca uterella</i> (Walsingham)      |
| <i>Praeaces atomosella</i> (Walker)         |
| <i>Nemapogon acapnopennella</i> (Clemens)   |
| <i>Nemapogon auropulvella</i> (Chambers)    |
| <i>Episcardia insectella</i> (Fabricius)    |
| <i>Cephitinea obscuroides</i> (Chambers)    |
| <i>Nemapogon rileyi</i> (Dietz)             |
| <i>Praeaces atomosella</i> (Walker)         |
| <i>Eccritothrix trimaculella</i> (Chambers) |
| <i>Ceratophaga vicinella</i> (Dietz)        |

|                                      |
|--------------------------------------|
| <i>Tischeria zelleriella</i> Clemens |
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|--|
| <i>Ancylis platanana</i> (Clemens)           |
| <i>Apotomis removana</i> (Kearfott)          |
| <i>Xenotemna pallorana</i> (Robinson)        |
| <i>Orthotaenia undulana</i> (D. & S.)        |
| <i>Cydia</i> spp.                            |
| <i>Sparganothis directana</i> (Walker)       |
| <i>Henricus contrastana</i> (Kearfott)       |
| <i>Cydia desotana</i> Heinrich               |
| <i>Cydia punctidiscana</i> (Dyar)            |
| <i>Crociosema lantana</i> (Busck)            |
| <i>Crociosema unica</i> (Heinrich)           |
| <i>Olethreutes hippocastana</i> (Kearfott)   |
| <i>Olethreutes permundana</i> (Clemens)      |
| <i>Chimoptesis pennsylvaniana</i> (Kearfott) |
| <i>Phtheochroa birdana</i> (Busck)           |
| <i>Cydia</i> spp.                            |
| <i>Lorita scarificata</i> (Meyrick)          |
| <i>Cydia latiferreana</i> (Walsingham)       |
| <i>Retinia gemistrigulana</i> (Kearfott)     |
| <i>Thyralia bunteana</i> (Robinson)          |
| <i>Endothenia albolineana</i> (Kearfott)     |
| <i>Olethreutes andromedana</i> Barnes & McD. |
| <i>Olethreutes rosaochreana</i> Kearfott     |

|                                     |
|-------------------------------------|
| <i>Pyromorpha dimidiata</i> (H.-S.) |
|-------------------------------------|

**PLATE 1. TINEIDAE, NEPTICULIDAE, PRODOXIDAE, ADELIDAE, ERIOCRANIIDAE****TINEIDAE**

|    |  |                                    |       |              |
|----|--|------------------------------------|-------|--------------|
| 1  | <i>Tinea apicimaculella</i> Chambers, ♀        | Alachua Co.: Gainesville           | 392   | (McD 9645)   |
| 2  | <i>Tinea mandarinella</i> Dietz, ♂             | Escambia Co.: Pensacola            | 400   | (McD 9669)   |
| 3  | <i>Tinea pellionella</i> L., ♀                 | Alachua Co.: Gainesville           | 405   | (McD 9653)   |
| 4  | <i>Tinea unomaculella</i> Chambers, ♀          | Alachua Co.: Gainesville           | 409   | (McD 9662)   |
| 5  | <i>Nemapogon rileyi</i> (Dietz), ♀             | Alachua Co.: Gainesville           | 272   | (McD 9672)   |
| 6  | <i>Phereoeca uterella</i> (Walsingham), ♂      | Alachua Co.: Gainesville           | 390   | (McD 9695.1) |
| 7  | <i>Praeacedes atomosella</i> (Walker), ♀       | Alachua Co.: Gainesville           | 423   | (McD 9695)   |
| 8  | <i>Niditinea fuscella</i> (L.), ♀              | Alachua Co.: Gainesville           | 411   | (McD 9634)   |
| 9  | <i>Mea bipunctella</i> (Dietz), ♂              | Sarasota Co.: Siesta Key           | 305   | (McD 9700)   |
| 10 | <i>Homostinea curvilineiella</i> Dietz, ♀      | Highlands Co.: Archbold Biol. Sta. | 301   | (McD 9694)   |
| 11 | <i>Diachorisia velatella</i> Clemens, ♂        | Alachua Co.: Rochelle              | 279   | (McD 9702)   |
| 12 | <i>Tineola bisselliella</i> (Hummel), ♂        | Alachua Co.: Gainesville           | 426   | (McD 9695)   |
| 13 | <i>Scardiella approximata</i> (Dietz), ♀       | Alachua Co.: Gainesville           | 308   | (McD 9623)   |
| 14 | <i>Opogona sacchari</i> (Bojer), ♀             | Dade Co.: Goulds                   | 432.1 | (McD --)     |
| 15 | <i>Opogona purpuriella</i> Swezey, ♀           | Dade Co.: Miami                    | 433.1 | (McD --)     |
| 16 | <i>Isocorypha mediostriatella</i> (Clemens), ♂ | Texas                              | 299   | (McD 9819)   |

**NEPTICULIDAE**

|    |   |       |    |            |
|----|---|-------|----|------------|
| 17 | <i>Ectoedemia obrutella</i> (Zeller), ♂ | Texas | 53 | (McD 9782) |
|----|---|-------|----|------------|

**PRODOXIDAE**

|    |  |                            |     |            |
|----|--|----------------------------|-----|------------|
| 18 | <i>Prodoxus quinquepunctella</i> (Chambers), ♂ | Alachua Co.: Gainesville   | 200 | (McD 9823) |
| 19 | <i>Tegeticula yuccasella</i> (Riley), ♂        | Highlands Co.: Lake Placid | 198 | (McD 9834) |

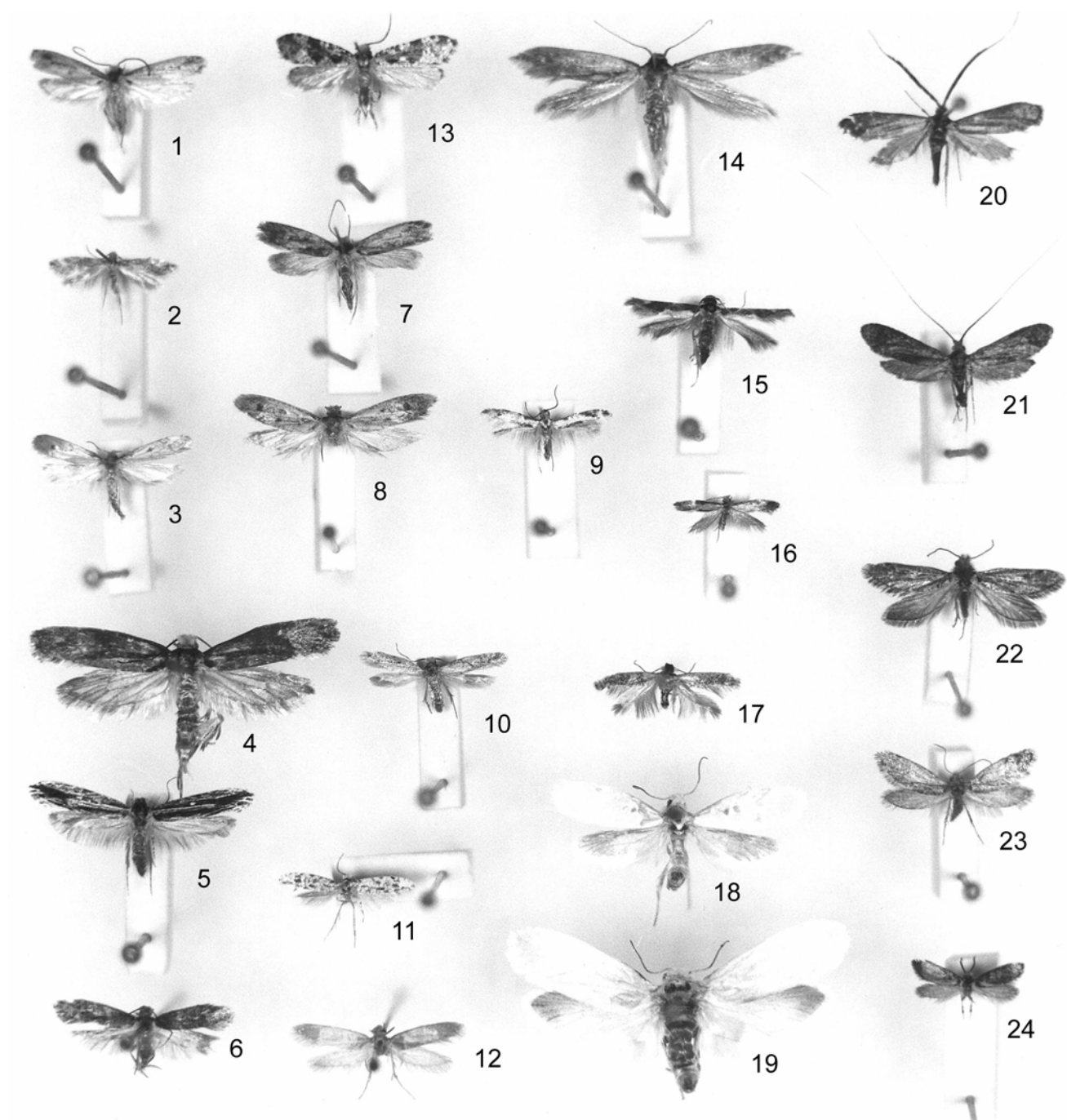
**ADELIDAE**

|    |                                    |                            |     |            |
|----|------------------------------------|----------------------------|-----|------------|
| 20 | <i>Adela caeruleella</i> Walker, ♀ | Escambia Co.: Pensacola    | 227 | (McD 9847) |
| 21 | <i>Adela caeruleella</i> Walker, ♂ | Jefferson Co.: Aucilla WMA | 227 | (McD 9847) |

**ERIOCRANIIDAE**

|    |  |                          |      |            |
|----|--|--------------------------|------|------------|
| 22 | <i>Dyseriocrania griseocapitella</i> (Walsingham), ♂ | Texas                    | 3    | (McD 9854) |
| 23 | <i>Dyseriocrania griseocapitella</i> (Walsingham), ♀ | Alachua Co.: Gainesville | 3    | (McD 9854) |
| 24 | <i>Eriocraniella mediabulla</i> Davis, ♀ PT          | Alachua Co.: Gainesville | 13.1 | (McD --)   |

(all figures at 200%)





**PLATE 2. CHOREUTIDAE, EPIPYROPIDAE, GRACILLARIIDAE, TISCHERIIDAE,  
PSYCHIDAE, TINEIDAE, ACROLOPHIDAE**

## CHOREUTIDAE

|   |  |                              |        |              |
|---|--|------------------------------|--------|--------------|
| 1 | <i>Phormoestes palmettovorus</i> Heppner, ♂ PT | Levy Co.: Cedar Key          | 2626.1 | (McD 8642.1) |
| 2 | <i>Brenthia pavonacella</i> Clemens, ♀         | Alachua Co.: Gainesville     | 2627   | (McD 8648)   |
| 3 | <i>Prochoreutis inflatella</i> (Clemens), ♀    | Baker Co.: Macclenny         | 2629   | (McD 8649)   |
| 4 | <i>Tebenna gnaphaliella</i> (Kearfott), ♀      | Alachua Co.: Gainesville     | 2647   | (McD 8662)   |
| 5 | <i>Tebenna carduiella</i> (Kearfott), ♀        | Alachua Co.: Gainesville     | 2649   | (McD 8656)   |
| 6 | <i>Tortyra slossonia</i> (Fernald), ♀          | Dade Co.: Homestead          | 2653   | (McD 8641)   |
| 7 | <i>Tortyra iocyanus</i> Heppner, ♂ PT          | Monroe Co.: Islamorada       | 2653.1 | (McD --)     |
| 8 | <i>Hemerophila diva</i> (Riley), ♀             | Dade Co.: Long Pine Key, ENP | 2655   | (McD 8640)   |
| 9 | <i>Hemerophila dyari</i> Busck, ♀              | Lee Co.: Captiva Is.         | 2654   | (McD 8642)   |

## EPIPYROPIDAE

|    |  |                          |      |            |
|----|--|--------------------------|------|------------|
| 10 | <i>Fulgoraacia exigua</i> (H. Edw.), ♀ | Alachua Co.: Gainesville | 4701 | (McD 5692) |
|----|--|--------------------------|------|------------|

## GRACILLARIIDAE

|    |  |                          |     |            |
|----|--|--------------------------|-----|------------|
| 11 | <i>Caloptilia violacella</i> (Clemens), ♂    | Escambia Co.: Pensacola  | 644 | (McD 9367) |
| 12 | <i>Caloptilia azaleella</i> (Brants), ♂      | Alachua Co.: Gainesville | 592 | (McD 9368) |
| 13 | <i>Caloptilia rhoifoliella</i> (Chambers), ♂ | Alachua Co.: Gainesville | 630 | (McD 9379) |

## TISCHERIIDAE

|    |                                       |                           |     |            |
|----|---------------------------------------|---------------------------|-----|------------|
| 14 | <i>Tischeria aenea</i> Frey & Boll, ♀ | St. Lucie Co.: Ft. Pierce | 149 | (McD 9509) |
|----|---------------------------------------|---------------------------|-----|------------|

## PSYCHIDAE

|    |  |                          |     |            |
|----|--|--------------------------|-----|------------|
| 15 | <i>Cryptothelea nigrita</i> (B. & McD.), ♂ | Okaloosa Co.: Ocean City | 441 | (McD 9524) |
| 16 | <i>Basicladus traceyi</i> (Jones), ♂       | Alachua Co.: Gainesville | 450 | (McD 9527) |
| 17 | <i>Prochalia pygmaea</i> B. & McD., ♂      | Alachua Co.: Gainesville | 439 | (McD 9534) |
| 18 | <i>Zamopsycha commentella</i> Dyar, ♂      | Alachua Co.: Gainesville | 440 | (McD 9535) |

## TINEIDAE

|    |   |                           |     |              |
|----|---|---------------------------|-----|--------------|
| 19 | <i>Erechthias minuscula</i> (Walsingham), ♀ | St. Lucie Co.: Ft. Pierce | 304 | (McD 9424.1) |
| 20 | <i>Setomorpha rutella</i> Zeller, ♀         | Wisconsin                 | 428 | (McD 9606)   |
| 21 | <i>Xylesthia pruniramiella</i> Clemens, ♀   | Texas                     | 317 | (McD 9626)   |

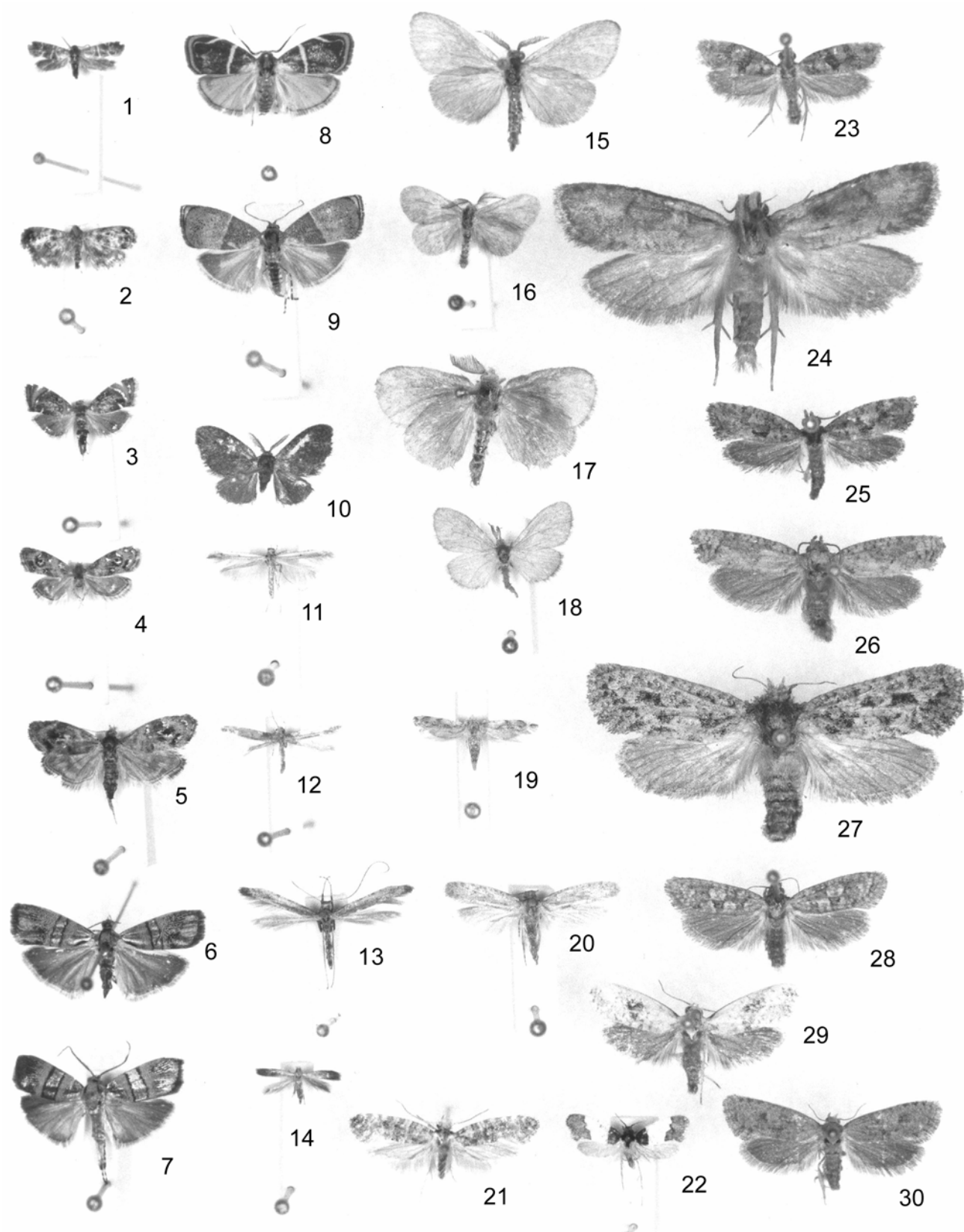
## PSYCHIDAE

|    |  |          |       |            |
|----|--|----------|-------|------------|
| 22 | <i>Kearfottia albifasciella</i> Fernald, ♂ | Arkansas | 434.1 | (McD 9629) |
|----|--|----------|-------|------------|

## ACROLOPHIDAE

|    |  |                                   |       |            |
|----|--|-----------------------------------|-------|------------|
| 23 | <i>Acrolophus simulatus</i> Walsingham, ♂    | Texas                             | 381   | (McD 9561) |
| 24 | <i>Acrolophus propinquus</i> (Walsingham), ♂ | Alachua Co.: Gainesville          | 374   | (McD 9567) |
| 25 | <i>Acrolophus cressoni</i> (Walsingham), ♂   | Liberty Co.: Torreya S.P.         | 347   | (McD 9546) |
| 26 | <i>Acrolophus piger</i> (Dyar), ♂            | Texas                             | 371   | (McD 9579) |
| 27 | <i>Acrolophus arcanella</i> (Clemens), ♀     | Duval Co.: Jacksonville           | 340   | (McD 9582) |
| 28 | <i>Acrolophus forbesi</i> Hasbrouck, ♂       | Pinellas Co.: Largo               | 353   | (McD --)   |
| 29 | <i>Acrolophus mycetophagus</i> Davis, ♂      | Suwannee Co.: Suwannee River S.P. | 367.1 | (McD --)   |
| 30 | <i>Acrolophus spilotus</i> Davis, ♀          | Hillsborough Co.: Lutz            | 382.1 | (McD --)   |

(all figures at 200%)



**PLATE 3. TORTRICIDAE, COSMOPTERIGIDAE, MOMPHIDAE, COLEOPHORIDAE,  
BLASTOBASIDAE, OECOPHORIDAE, GELECHIIDAE**

**TORTRICIDAE**

|   |   |                          |      |            |
|---|---|--------------------------|------|------------|
| 1 | <i>Carolella erigeronana</i> (Riley), ♀           | Alachua Co.: Gainesville | 3784 | (McD 7605) |
| 2 | " <i>Phalonia</i> " <i>oenotherana</i> (Riley), ♀ | Texas                    | 3842 | (McD 7567) |

**COSMOPTERIGIDAE**

|   |  |                            |      |            |
|---|--|----------------------------|------|------------|
| 3 | <i>Cosmopterix nitens</i> Walsingham, ♂  | Marion Co.: Oklawaha River | 1469 | (McD 7686) |
| 4 | <i>Ithome concolorella</i> (Chambers), ♀ | Texas                      | 1638 | (McD 7712) |

**MOMPHIDAE**

|   |                                     |                          |      |              |
|---|-------------------------------------|--------------------------|------|--------------|
| 5 | <i>Mompha bottimeri</i> Busck, ♀ PT | Alachua Co.: Gainesville | 1429 | (McD 7751.1) |
|---|-------------------------------------|--------------------------|------|--------------|

**COLEOPHORIDAE**

|   |  |                          |      |            |
|---|--|--------------------------|------|------------|
| 6 | <i>Homaledra sabalella</i> (Chambers), ♀ | Sarasota Co.: Siesta Key | 1422 | (McD 7737) |
|---|--|--------------------------|------|------------|

**BLASTOBASIDAE**

|   |   |                                   |      |            |
|---|---|-----------------------------------|------|------------|
| 7 | <i>Holcocera crassicornella</i> Dietz, ♀    | Alachua Co.: Gainesville          | 1178 | (McD 8484) |
| 8 | <i>Holcocera coccivorella</i> (Chambers), ♂ | Alachua Co.: Gainesville          | 1158 | (McD 8487) |
| 9 | <i>Calosima dianella</i> Dietz, ♂           | Suwannee Co.: Suwannee River S.P. | 1169 | (McD 8498) |

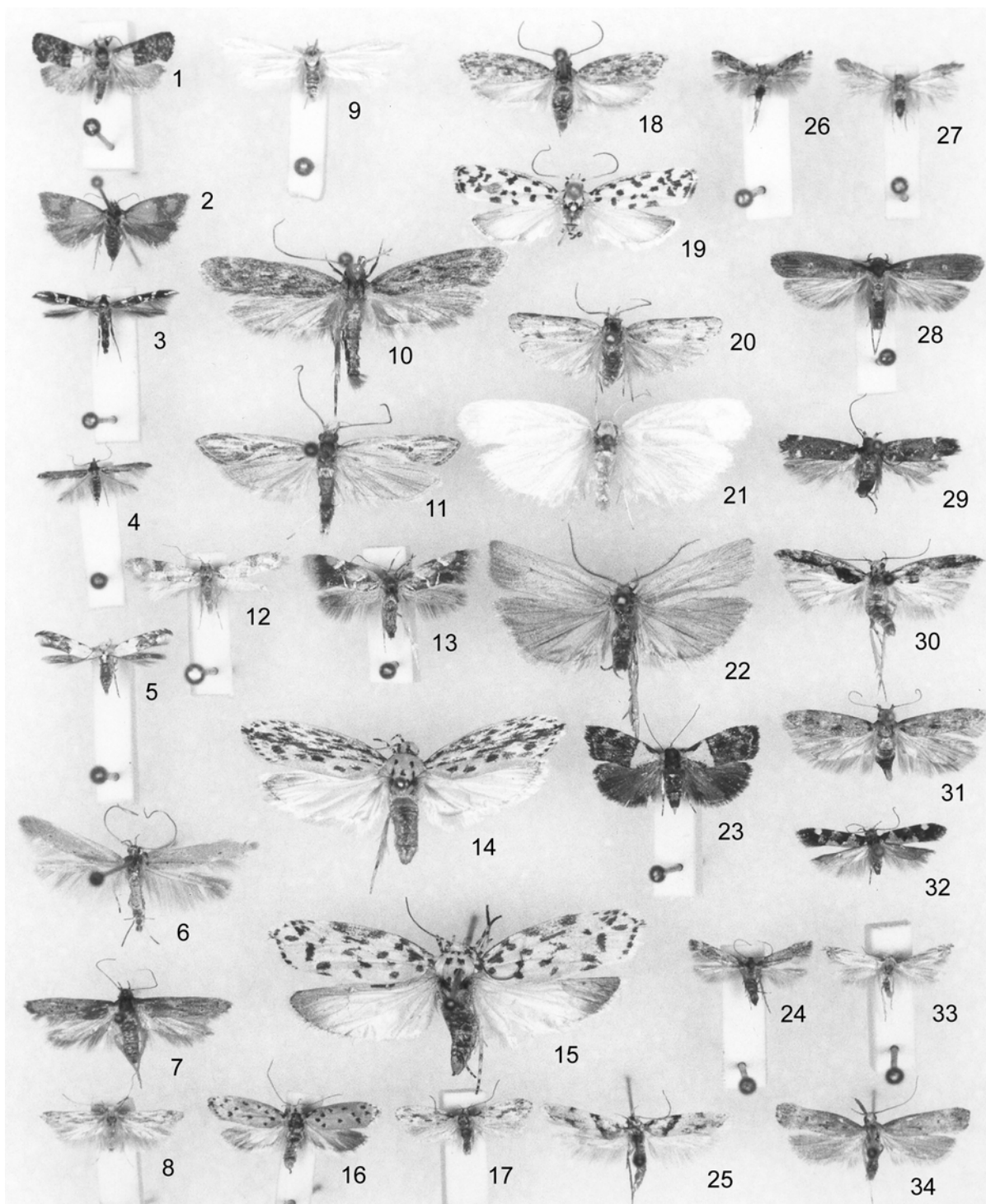
**OECOPHORIDAE**

|    |  |                                    |        |              |
|----|--|------------------------------------|--------|--------------|
| 10 | <i>Martyringa ravicapitis</i> Hodges, ♂      | Texas                              | 1066   | (McD 8380.1) |
| 11 | <i>Eupragia hospita</i> Hodges, ♂            | Polk Co.: Ft. Meade                | 953    | (McD --)     |
| 12 | <i>Decantha boreasella</i> (Chambers), ♂     | Alachua Co.: Alachua               | 1042   | (McD 8358)   |
| 13 | <i>Callima argenticinctella</i> (Clemens), ♀ | Louisiana                          | 1046   | (McD 8361)   |
| 14 | <i>Ethmia confusella</i> (Walker), ♀         | Monroe Co.: Plantation Key         | 996    | (McD 8619)   |
| 15 | <i>Ethmia notatella</i> (Walker), ♀          | Monroe Co.: Key Largo              | 995    | (McD 8632.1) |
| 16 | <i>Ethmia julia</i> Powell, ♀                | Monroe Co.: Islamorada             | 997    | (McD 8632.2) |
| 17 | <i>Ethmia powelli</i> Heppner, ♂ PT          | Monroe Co.: Islamorada             | 998.1  | (McD --)     |
| 18 | <i>Ethmia farrella</i> Powell, ♀             | Monroe Co.: Key Largo              | 998    | (McD --)     |
| 19 | <i>Ethmia abraxasella clarissa</i> Busck, ♀  | Monroe Co.: Key Largo              | 994.1a | (McD --)     |
| 20 | <i>Menestomorpha kimballi</i> (Duckworth), ♂ | Collier Co.: Collier-Seminole S.P. | 1029   | (McD 8604.1) |
| 21 | <i>Antaeotricha albulella</i> (Walker), ♀    | Okaloosa Co.: Ocean City           | 1024   | (McD 8592)   |
| 22 | <i>Gonioterma mistrella</i> (Busck), ♂       | Missouri                           | 1032   | (McD 8594)   |
| 23 | <i>Rectiostoma xanthobasis</i> (Zeller), ♀   | Alachua Co.: Gainesville           | 1026   | (McD 8597)   |

**GELECHIIDAE**

|    |  |                          |      |              |
|----|--|--------------------------|------|--------------|
| 24 | <i>Monochroa absconditella</i> (Walker), ♀       | Alachua Co.: Gainesville | 1706 | (McD 7814)   |
| 25 | <i>Arogalea cristifasciella</i> (Chambers), ♀    | Missouri                 | 1851 | (McD 7931)   |
| 26 | <i>Symmetrischema capsicum</i> (Brad. & Pov.), ♂ | Dade Co.: Miami          | 2032 | (McD 8213.1) |
| 27 | <i>Keiferia lycopersicella</i> (Walsingham), ♂   | Collier Co.: Immokalee   | 2047 | (McD 8215)   |
| 28 | <i>Chionodes discoocellella</i> (Chambers), ♂    | Alachua Co.: Gainesville | 2072 | (McD 8051)   |
| 29 | <i>Aroga trialbamaculella</i> (Chambers), ♂      | Alachua Co.: Gainesville | 2198 | (McD 7976)   |
| 30 | <i>Pseudochelaria walsinghami</i> Dietz, ♂       | Missouri                 | 1864 | (McD 8021)   |
| 31 | <i>Pectinophora gossypiella</i> (Saunders), ♀    | Texas                    | 2261 | (McD 8147.1) |
| 32 | <i>Stegasta bosqueella</i> (Chambers), ♀         | Alabama                  | 2209 | (McD 8148)   |
| 33 | <i>Polyhymno luteostrigella</i> Chambers, ♂      | Alachua Co.: Gainesville | 2211 | (McD 8239)   |
| 34 | <i>Dichomeris inversella</i> (Zeller), ♂         | Missouri                 | 2310 | (McD 8310)   |

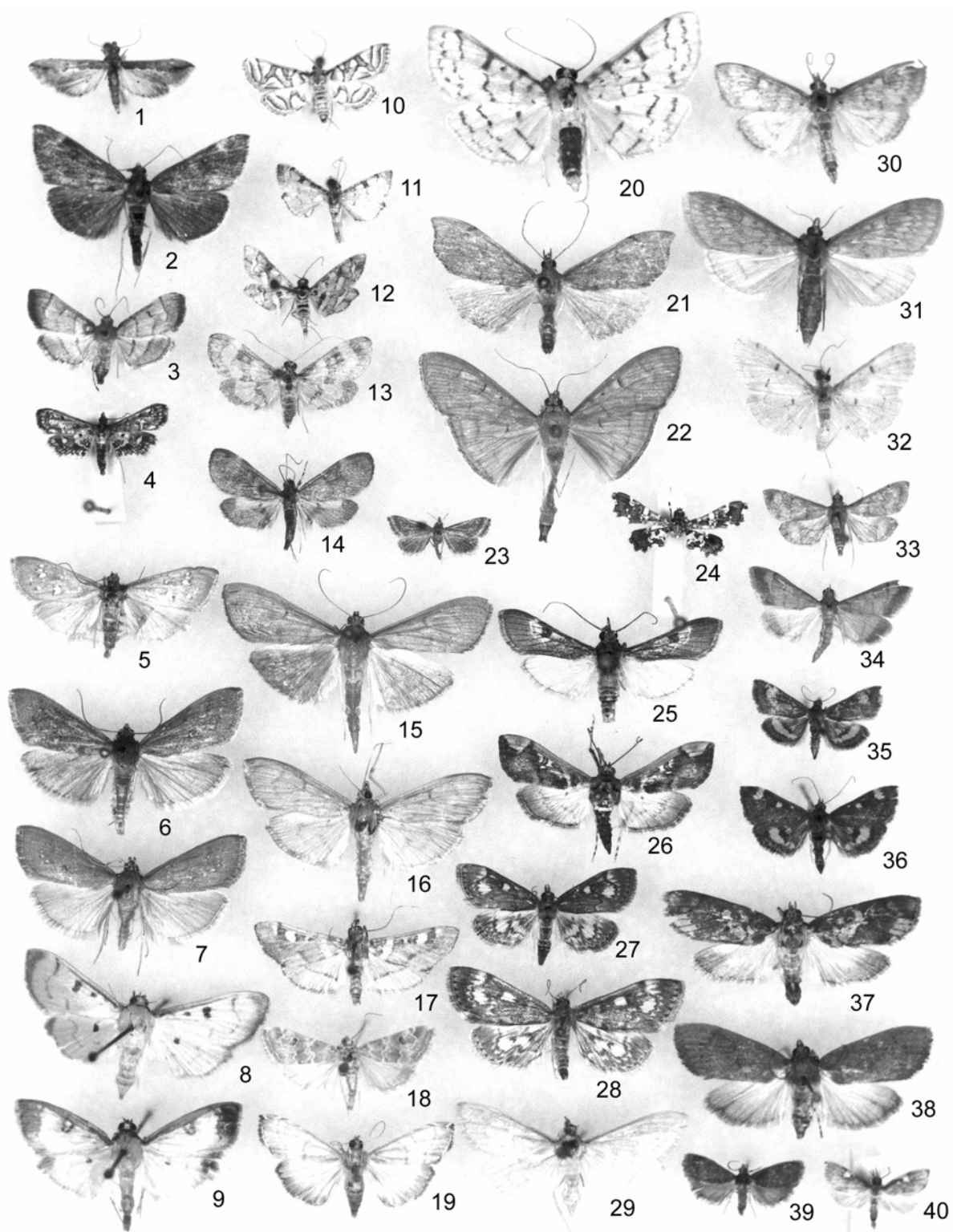
(all figures at 200%)



## PLATE 4. PYRALIDAE

|    |  |                                  |        |              |
|----|--|----------------------------------|--------|--------------|
| 1  | <i>Ercta vittata</i> (Fabricius), ♀                | Monroe Co.: Loggerhead Key       | 5111   | (McD 5359.1) |
| 2  | <i>Pyrausta niveicillialis</i> (Grote), ♂          | Missouri                         | 5073   | (McD 5646)   |
| 3  | <i>Salbia haemorrhoidalis</i> Guenée, ♀            | Alachua Co.: Gainesville         | 5287   | (McD 5363.3) |
| 4  | <i>Eurrhynchos lygdamis</i> Druce, ♂               | Collier Co.: Fahkahatchee Strand | 5122   | (McD 5364)   |
| 5  | <i>Diastictis pseudargyralis</i> Munroe,           | Escambia Co.: Warrington         | 5254   | (McD 5367.1) |
| 6  | <i>Diastictis ventralis</i> (G. & R.), ♂           | Missouri                         | 5255   | (McD 5367.2) |
| 7  | <i>Diastictis ventralis</i> (G. & R.), ♀           | Illinois                         | 5255   | (McD 5367.2) |
| 8  | <i>Lygropia tripunctata</i> (Fabricius), ♀         | Polk Co.: Winter Park            | 5248   | (McD 5372)   |
| 9  | <i>Eulepte anticostalis</i> (Grote), ♂             | Seminole Co.: Sanford            | 5195   | (McD 5374)   |
| 10 | <i>Pseudopyrausta santatalis</i> (B. & McD.), ♀    | Volusia Co.: Cassadaga           | 4939   | (McD 5390)   |
| 11 | <i>Hileithia differentialis</i> (Dyar), ♂          | Dade Co.: Homestead              | 5190   | (McD 5387.1) |
| 12 | <i>Hileithia magualis</i> (Guenée), ♀              | Sarasota Co.: Siesta Key         | 5187   | (McD 5391)   |
| 13 | " <i>Lygropia</i> " <i>fusalis</i> Hampson, ♀      | Lee Co.: Sanibel Is.             | 5251.1 | (McD 5394)   |
| 14 | " <i>L.</i> " <i>fusalis</i> Hampson, dark form, _ | Monroe Co.: Key Largo            | 5251.1 | (McD 5394)   |
| 15 | <i>Pleuroptya silicalis</i> (Guenée), ♂            | Volusia Co.: Cassadaga           | 5243   | (McD 5400)   |
| 16 | <i>Pleuroptya silicalis</i> (Guenée), ♂            | Suwannee Co.: Live Oak           | 5243   | (McD 5400)   |
| 17 | <i>Diaphantania impulsalis</i> (H.-S.), ♀          | Monroe Co.: Key Largo            | 5114   | (McD 5420.1) |
| 18 | <i>Hellula phidilealis</i> (Walker), ♀             | Okaloosa Co.: Ocean City         | 4847   | (McD 5423)   |
| 19 | <i>Trischistognatha pyrenealis</i> (Walker), ♀     | Monroe Co.: No Name Key          | 4933   | (McD 5450)   |
| 20 | <i>Polygrammodes flavidalis</i> (Guenée), ♂        | Missouri                         | 5228   | (McD 5584)   |
| 21 | <i>Sericoplaga externalis</i> Warren, ♀            | Missouri                         | 4991   | (McD 5497)   |
| 22 | <i>Condylorrhiza vestigialis</i> (Guenée), ♂       | Louisiana                        | 5215   | (McD 5512)   |
| 23 | <i>Microtheoris ophionalis</i> (Walker), ♀         | Volusia Co.: Cassadaga           | 4796   | (McD 5492)   |
| 24 | <i>Diasemiodes eudamidasalis</i> (Druce), ♂        | Monroe Co.: Key Largo            | 5173.1 | (McD 5509.1) |
| 25 | <i>Omiodes stigmatalis</i> (Warren), ♂             | Monroe Co.: Key Largo            | 5214   | (McD 5519)   |
| 26 | <i>Sathria internitalis</i> (Guenée), ♂            | Monroe Co.: Big Pine Key         | 5270   | (McD --)     |
| 27 | <i>Phlyctaenia coronata tertialis</i> (Guenée), ♂  | Missouri                         | 4953a  | (McD 5564)   |
| 28 | <i>Phlyctaenia coronata tertialis</i> (Guenée), ♀  | West Virginia                    | 4953a  | (McD 5564)   |
| 29 | <i>Mecyna submedialis</i> (Grote), ♀               | Missouri                         | 5135   | (McD 5586)   |
| 30 | <i>Ostrinia penitalis</i> (Grote), ♂               | Alachua Co.: Gainesville         | 4946   | (McD 5594)   |
| 31 | <i>Ostrinia penitalis</i> (Grote), ♀               | Alachua Co.: Gainesville         | 4946   | (McD 5594)   |
| 32 | <i>Blepharomastix achroalis</i> (Hamp.), ♀         | Monroe Co.: Flamingo, ENP        | 5185   | (McD 5611)   |
| 33 | <i>Pyrausta phoenicealis</i> (Walker), ♀           | Volusia Co.: Cassadaga           | 5049   | (McD 5613)   |
| 34 | <i>Pyrausta insignitalis</i> (Guenée), ♂           | "Florida"                        | 5044   | (McD 5615.1) |
| 35 | <i>Pyrausta orphisalis</i> Walker, ♂               | Putnam Co.                       | 5058   | (McD 5623)   |
| 36 | <i>Pyrausta generosa</i> (G. & R.), ♂              | Missouri                         | 5056   | (McD 5624)   |
| 37 | <i>Mimophobetron pyropsalis</i> (Hampson), ♂       | Monroe Co.: Key Largo            | 5237   | (McD 5637)   |
| 38 | <i>Mimophobetron pyropsalis</i> (Hampson), ♀       | Monroe Co.: Key Largo            | 5237   | (McD 5637)   |
| 39 | <i>Loxostegopsis merrickalis</i> (B. & McD.), ♂    | Volusia Co.: Cassadaga           | 5117   | (McD 5649)   |
| 40 | <i>Deuterophysa fernaldi</i> Munroe, ♂             | Pinellas Co.: St. Petersburg     | 5123   | (McD 5631)   |

(all figures at 160%)

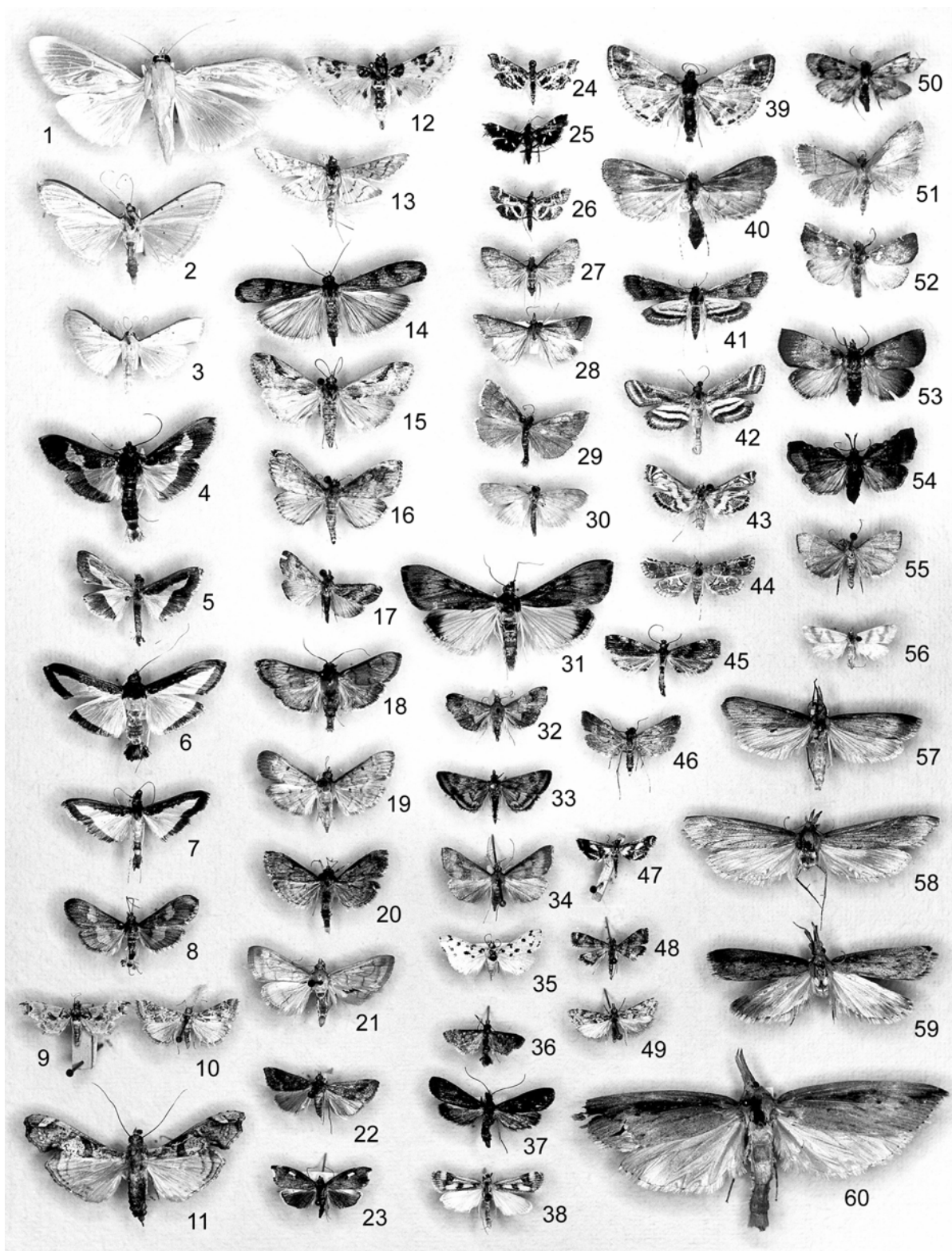


## PLATE 5. PYRALIDAE

|    |   |                                   |      |              |
|----|---|-----------------------------------|------|--------------|
| 1  | <i>Palpita flegia</i> (Cramer), ♂               | Dade Co.: Hialeah                 | 5217 | (McD 5413)   |
| 2  | <i>Palpita quadristigmalis</i> (Guenée), ♀      | Sarasota Co.: Siesta Key          | 5218 | (McD 5419)   |
| 3  | <i>Palpita kimballi</i> Munroe, ♀               | Sarasota Co.: Siesta Key          | 5219 | (McD 5419.1) |
| 4  | <i>Diaphania nitidalis</i> (Stoll), ♂           | Escambia Co.                      | 5202 | (McD 5415)   |
| 5  | <i>Diaphania modialis</i> (Dyar), ♂             | "Florida"                         | 5205 | (McD 5416)   |
| 6  | <i>Diaphania hyalinata</i> (L.), ♂              | "Florida"                         | 5204 | (McD 5418)   |
| 7  | <i>Diaphania indica</i> (Saunders), ♂           | French Guiana                     | 5207 | (McD 5418.1) |
| 8  | <i>Diaphania lualis</i> (H.-S.), ♂              | Sarasota Co.: Siesta Key          | 5208 | (McD 5420.2) |
| 9  | <i>Neoleucinodes prophetica</i> (Dyar), ♀       | Guatemala                         | 5102 | (McD 5420.3) |
| 10 | <i>Hellula rogatalis</i> (Hulst), ♂             | Escambia Co.                      | 4846 | (McD 5423)   |
| 11 | <i>Terastia meticulosalis</i> Guenée, ♂         | Sarasota Co.: Siesta Key          | 5239 | (McD 5431)   |
| 12 | <i>Azochis rufidiscalis</i> Hampson, ♀          | Dade Co.: Miami                   | 5232 | (McD 5447)   |
| 13 | <i>Epipagis huronalis</i> (Guenée), ♀           | Manatee Co.: Myakka River S.P.    | 5147 | (McD 5452)   |
| 14 | <i>Nomophila nearctica</i> Munroe, ♂            | Escambia Co.                      | 5156 | (McD 5455)   |
| 15 | <i>Loxostege floridalis</i> B. & McD., ♀        | Sarasota Co.: Siesta Key          | 4994 | (McD 5483)   |
| 16 | <i>Evergestis rimosalis</i> (Guenée), ♂         | Dade Co.: Homestead               | 4898 | (McD 5442)   |
| 17 | <i>Evergestella evincalis</i> (Möschler), ♂     | Monroe Co.: Tavernier             | 4932 | (McD 5432.1) |
| 18 | <i>Pilemia periusalis</i> (Walker), ♂           | Collier Co.: "Everglade"          | 5157 | (McD 5456)   |
| 19 | <i>Herpetogramma bipunctalis</i> (Fabricius), ♀ | Sarasota Co.: Siesta Key          | 5272 | (McD 5457)   |
| 20 | <i>Herpetogramma phaeopteralis</i> (Guenée), ♂  | Sarasota Co.: Siesta Key          | 5274 | (McD 5459)   |
| 21 | <i>Hahncappisia mancalis</i> (Lederer), ♂       | District of Columbia              | 4967 | (McD 5467)   |
| 22 | <i>Achyra rantalis</i> (Guenée), ♀              | Sarasota Co.: Siesta Key          | 4975 | (McD 5471)   |
| 23 | <i>Perispasta caeculalis</i> Zeller, ♀          | Escambia Co.                      | 4951 | (McD 5545)   |
| 24 | <i>Diasemiopsis leodocusalis</i> (Walker), ♀    | Sarasota Co.: Siesta Key          | 5171 | (McD 5498.1) |
| 25 | <i>Diasemioides nigralis</i> (Fernald), ♂       | Escambia Co.                      | 5173 | (McD 5499)   |
| 26 | <i>Diasemioides janassialis</i> (Walker), ♂     | Escambia Co.                      | 5172 | (McD 5500)   |
| 27 | <i>Oenobotrys vinotinctalis</i> (Hampson), ♂    | Sarasota Co.: Siesta Key          | 4940 | (McD 5548.1) |
| 28 | <i>Udea rubigalis</i> (Guenée), ♂               | Escambia Co.                      | 5079 | (McD 5546)   |
| 29 | <i>Fumibotrys fumalis</i> (Guenée), ♂           | Massachusetts                     | 4950 | (McD 5598)   |
| 30 | <i>Ostrinia penitalis</i> (Grote), ♂            | Seminole Co.: Altamonte Springs   | 4946 | (McD 5516)   |
| 31 | <i>Uresiphita reversalis</i> (Guenée), ♂        | Escambia Co.                      | 4992 | (McD 5515)   |
| 32 | <i>Pyrausta bicoloralis</i> (Guenée), ♀         | Escambia Co.                      | 5040 | (McD 5565)   |
| 33 | <i>Pyrausta subsequalis</i> (Guenée), ♂         | Escambia Co.                      | 5060 | (McD 5622)   |
| 34 | <i>Pyrausta laticlavata</i> (G. & R.), ♀        | Escambia Co.                      | 5070 | (McD 5628)   |
| 35 | <i>Eustixia pupula</i> Hübner, ♀                | Sarasota Co.: Siesta Key          | 4794 | (McD 5653)   |
| 36 | <i>Steniodes mendica</i> (Hedemann), ♂          | Sarasota Co.: Siesta Key          | 5178 | (McD 5721.1) |
| 37 | <i>Penestola bufalis</i> (Guenée), ♀            | Sarasota Co.: Siesta Key          | 5179 | (McD 5722)   |
| 38 | <i>Parapoynx maculalis</i> (Clemens), ♂         | Massachusetts                     | 4759 | (McD 5680)   |
| 39 | <i>Pyrallis farinalis</i> L., ♂                 | Gadsden Co.: Quincy               | 5510 | (McD 5758)   |
| 40 | <i>Munroessa gyralis</i> (Hulst), ♀             | Gadsden Co.: Quincy               | 4751 | (McD 5688)   |
| 41 | <i>Parapoynx obscuralis</i> (Grote), ♂          | Volusia Co.: Cassadaga            | 4760 | (McD 5682)   |
| 42 | <i>Parapoynx seminealis</i> (Walker), ♂         | Volusia Co.: Cassadaga            | 4763 | (McD 5683)   |
| 43 | <i>Neocataclysta magnificalis</i> (Hübner), ♂   | Hernando Co.: Weekiwannee Springs | 4743 | (McD 5699)   |
| 44 | <i>Munroessa nebulosalis</i> (Fernald), ♀       | Volusia Co.: Cassadaga            | 4750 | (McD 5690)   |
| 45 | <i>Langessa nomophilalis</i> (Dyar), ♂          | Volusia Co.: Cassadaga            | 4758 | (McD 5687)   |
| 46 | <i>Parapoynx allionealis</i> (Walker), ♀        | Sarasota Co.: Siesta Key          | 4764 | (McD 5681)   |
| 47 | <i>Chrysandeton kimballi</i> Lange, ♂           | Sarasota Co.: Siesta Key          | 4745 | (McD 5707.1) |
| 48 | <i>Neargyractis slossonalis</i> (Dyar), ♂       | Dade Co.: Homestead               | 4769 | (McD 5698)   |
| 49 | <i>Eudonia strigalis</i> (Dyar), ♀              | Escambia Co.                      | 4738 | (McD 5735)   |
| 50 | <i>Pyrallis disciferalis</i> Dyar, ♀            | Manatee Co.: Bradenton            | 5512 | (McD 5760)   |
| 51 | <i>Ocrasa nostralis</i> (Guenée), ♀             | Sarasota Co.: Siesta Key          | 5531 | (McD 5772)   |
| 52 | <i>Lepidomys irrenosa</i> Guenée, ♂             | Volusia Co.: Cassadaga            | 5550 | (McD 5787)   |
| 53 | <i>Lepidomys irrenosa</i> Guenée, ♀             | Volusia Co.: Cassadaga            | 5550 | (McD 5787)   |
| 54 | <i>Clydonopteron sacculana</i> (Bosc), ♀        | Escambia Co.                      | 5563 | (McD 5793)   |
| 55 | <i>Parachma ochracealis</i> Walker, ♂           | Sarasota Co.: Siesta Key          | 5538 | (McD 5803)   |
| 56 | <i>Leptosteges xantholeucalis</i> (Guenée), ♂   | North Carolina                    | 5300 | (McD 5811)   |
| 57 | <i>Donacula sordidella</i> (Zincken), ♂         | Illinois                          | 5313 | (McD 5824)   |
| 58 | <i>Donacula sordidella</i> (Zincken), ♀         | Illinois                          | 5313 | (McD 5824)   |
| 59 | <i>Donacula maximella</i> Fernald, ♂            | Texas                             | 5324 | (McD 5835)   |
| 60 | <i>Donacula maximella</i> Fernald, ♀            | Collier Co.: Chokoloskee          | 5324 | (McD 5835)   |

(Originally, Kimball (1965) Plate 25)



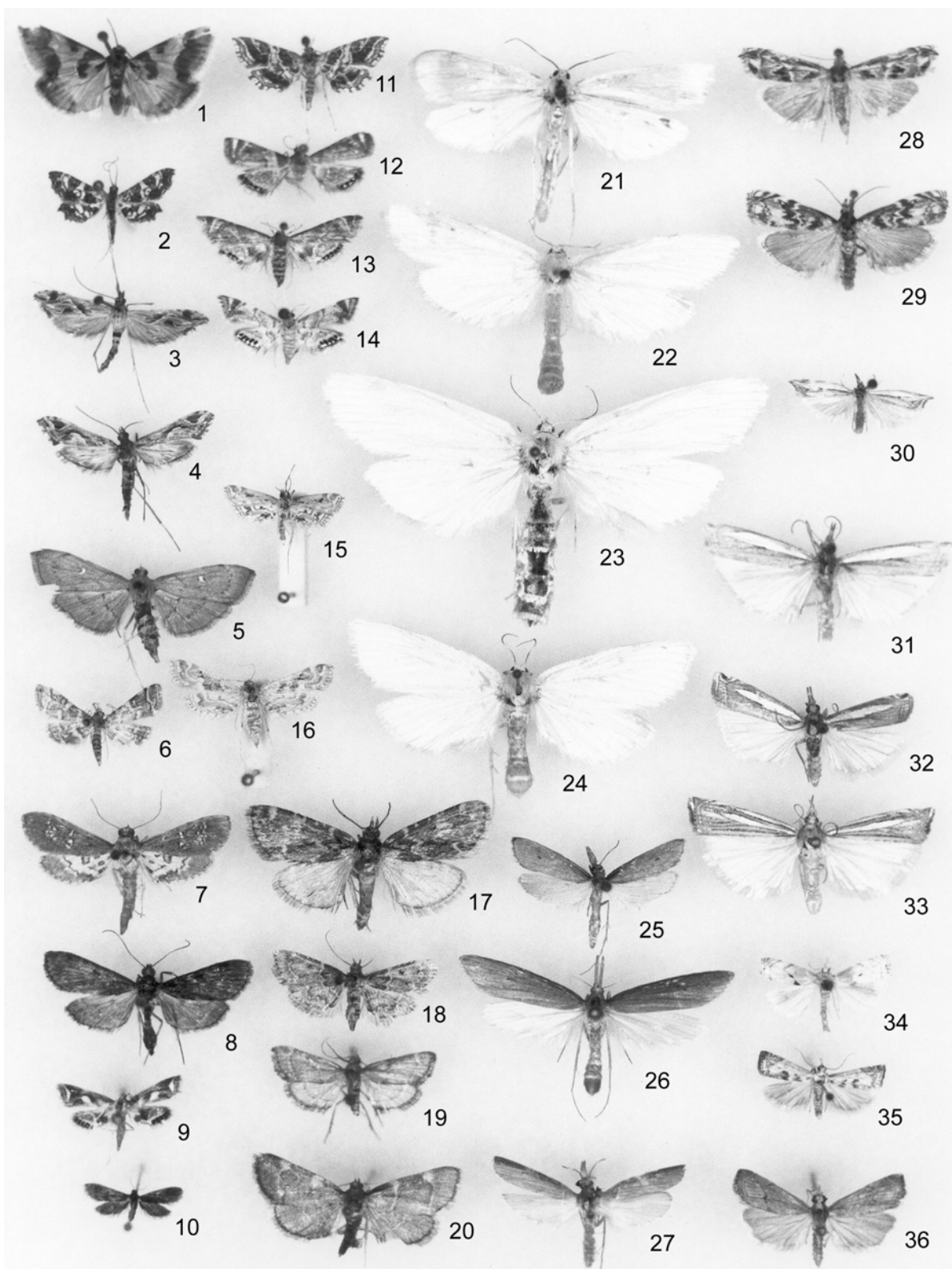




## PLATE 6. PYRALIDAE

|    |   |                             |        |              |
|----|---|-----------------------------|--------|--------------|
| 1  | <i>Mimoschinia rufofascialis</i> (Stephens), ♀      | Arizona                     | 4826   | (McD 5659)   |
| 2  | <i>Sisyracera inabsconsalis</i> (Möschler), ♀       | Monroe Co.: Key Largo       | 5194.1 | (McD --)     |
| 3  | <i>Lineodes fontella</i> Walsingham, ♂              | Alachua Co.: Gainesville    | 5106   | (McD 5673.1) |
| 4  | <i>Lineodes integra</i> (Zeller), ♂                 | Alachua Co.: Gainesville    | 5107   | (McD 5674)   |
| 5  | <i>Geshna cannalis</i> (Quaintance), ♀              | Alachua Co.: Gainesville    | 5126   | (McD 5717)   |
| 6  | <i>Anageshna primordialis</i> (Dyar), ♂             | Missouri                    | 5176   | (McD 5718)   |
| 7  | <i>Crocidocnemis pellucidalis</i> (Möschler), ♂     | Volusia Co.: Cassadaga      | 5153   | (McD 5721.2) |
| 8  | <i>Penestola simplicialis</i> (B. & McD.), ♀        | Monroe Co.: Flamingo, ENP   | 5180   | (McD 5723)   |
| 9  | <i>Chrysendeton medicinalis</i> Grote, ♀            | Volusia Co.: Cassadaga      | 4744   | (McD 5697.1) |
| 10 | <i>Synclita tinealis</i> Munroe, ♀                  | Texas                       | 4754   | (McD 5686.1) |
| 11 | <i>Contiger vittatalis</i> (Dyar), ♀                | Volusia Co.: Cassadaga      | 4752   | (McD 5685)   |
| 12 | <i>Neargyractis slossonalis</i> (Dyar), ♀           | Volusia Co.: Cassadaga      | 4769   | (McD 5698)   |
| 13 | <i>Petrophila santafealis</i> (Heppner), ♀          | Columbia Co.: Ft. White     | 4778   | (McD 5700.1) |
| 14 | <i>Eopargyractis irroratalis</i> (Dyar), ♀          | Volusia Co.: Cassadaga      | 4785   | (McD 5711)   |
| 15 | <i>Parapoynx diminutalis</i> Snellen, ♂             | Broward Co.: Ft. Lauderdale | 4765   | (McD 5682.1) |
| 16 | <i>Parapoynx diminutalis</i> Snellen, ♀             | Broward Co.: Ft. Lauderdale | 4765   | (McD 5682.1) |
| 17 | <i>Aglossa caprealis</i> (Hübner), ♂                | Volusia Co.: Cassadaga      | 5517   | (McD 5762)   |
| 18 | <i>Pyralis manihotalis</i> Guenée, ♀                | Monroe Co.: Plantation Key  | 5515   | (McD 5763)   |
| 19 | <i>Pseudasopia intermedialis</i> (Walker), ♀        | Manatee Co.: Bradenton      | 5526   | (McD 5766)   |
| 20 | <i>Dolichomia binodulalis</i> (Zeller), ♀           | Duval Co.: Jacksonville     | 5530   | (McD 5771)   |
| 21 | <i>Rupella tinctella</i> (Walker), ♂                | Dade Co.: Miami             | 5311   | (McD 5821)   |
| 22 | <i>Rupella segregata</i> Heinrich, ♂                | Volusia Co.: Cassadaga      | 5310   | (McD 5822)   |
| 23 | <i>Rupella segregata</i> Heinrich, ♀                | Louisiana                   | 5310   | (McD 5822)   |
| 24 | <i>Rupella sejuncta</i> Heinrich, ♀                 | Volusia Co.: Cassadaga      | 5312   | (McD 5823)   |
| 25 | <i>Donacula unipunctella</i> (Robinson), ♂          | Monroe Co.: Flamingo, ENP   | 5314   | (McD 5825)   |
| 26 | <i>Donacula roscidella</i> (Dyar), ♂                | Volusia Co.: Cassadaga      | 5321   | (McD 5832)   |
| 27 | <i>Donacula uxorialis</i> (Dyar), ♂                 | "Florida"                   | 5323   | (McD 5834)   |
| 28 | <i>Prionapteryx achatina</i> Zeller, ♂              | Volusia Co.: Cassadaga      | 5334   | (McD 5842)   |
| 29 | <i>Mesolia incertella</i> (Zincken), ♀              | Volusia Co.: Cassadaga      | 5331   | (McD 5845)   |
| 30 | <i>Raphiptera argillaceella minimella</i> (Rob.), ♂ | Dade Co.: Homestead         | 5393a  | (McD 5849)   |
| 31 | <i>Crambus leachellus</i> (Zincken), ♂              | Colorado                    | 5357   | (McD 5861)   |
| 32 | <i>Crambus praelectellus</i> (Zincken), ♀           | Massachusetts               | 5355   | (McD 5863)   |
| 33 | <i>Crambus multilinelus</i> Fernald, ♂              | Escambia Co.: Pensacola     | 5364   | (McD 5882)   |
| 34 | <i>Microcrambus biguttellus</i> (Forbes), ♂         | Volusia Co.: Cassadaga      | 5419   | (McD 5886)   |
| 35 | <i>Microcrambus minor</i> (Forbes), ♂               | Louisiana                   | 5422   | (McD 5890.1) |
| 36 | <i>Parapediasia teterrella</i> (Zincken), ♀         | Missouri                    | 5451   | (McD 5896)   |

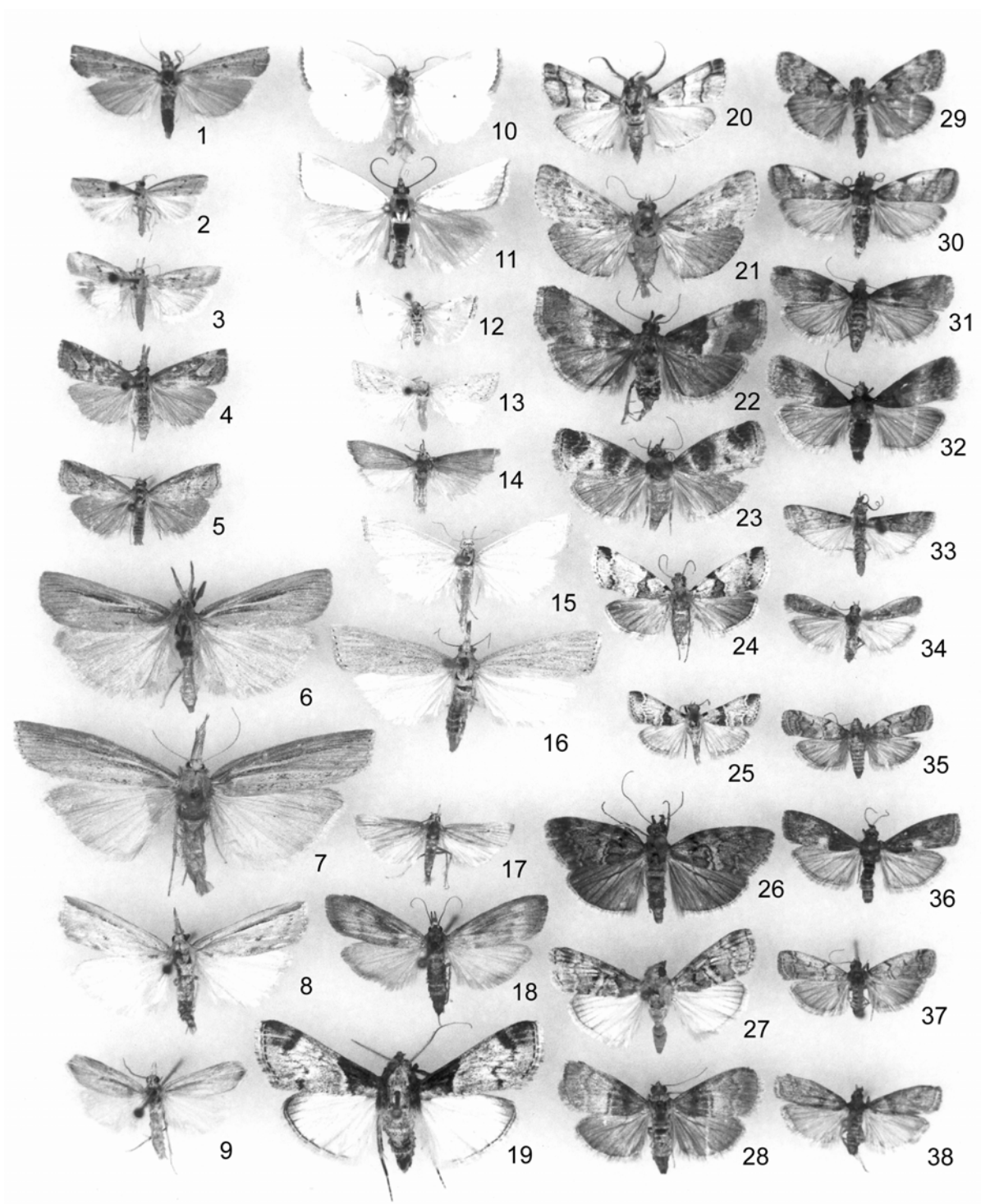
(all figures at 100%)



## PLATE 7. PYRALIDAE

|    |   |                            |        |              |
|----|---|----------------------------|--------|--------------|
| 1  | <i>Fissicrambus mutabilis</i> (Clemens), ♀        | Volusia Co.: Cassadaga     | 5435   | (McD 5910)   |
| 2  | <i>Fissicrambus haytiellus</i> (Zincken), ♀       | Sarasota Co.: Siesta Key   | 5433   | (McD 5913)   |
| 3  | <i>Fissicrambus minuellus</i> (Walker), ♀         | Sarasota Co.: Siesta Key   | 5437   | (McD 5913.1) |
| 4  | <i>Crambus caliginosellus</i> Clemens, ♀          | Missouri                   | 5381   | (McD 5925)   |
| 5  | <i>Crambus zeellus</i> Fernald, ♂                 | Missouri                   | 5380   | (McD 5927)   |
| 6  | <i>Thaumatopsis pexella</i> (Zeller), ♀           | Illinois                   | 5439   | (McD 5934)   |
| 7  | <i>Thaumatopsis edonis</i> (Grote), ♂             | Volusia Co.: Cassadaga     | 5438   | (McD 5936)   |
| 8  | <i>Thaumatopsis floridella</i> B. & McD., ♂       | Sarasota Co.: Siesta Key   | 5443   | (McD 5938)   |
| 9  | <i>Loxocrambus canellus</i> Forbes, ♀             | Sarasota Co.: Siesta Key   | 5427   | (McD 5948)   |
| 10 | <i>Urola nivalis</i> (Drury), ♂                   | North Carolina             | 5464   | (McD 5954)   |
| 11 | <i>Argyria nummulalis</i> Hübner, ♂               | Kansas                     | 5460   | (McD 5955)   |
| 12 | <i>Argyria lacteella</i> (Fabricius), ♀           | Okaloosa Co.: Shalimar     | 5463   | (McD 5958)   |
| 13 | <i>Diatraea lisetta</i> (Dyar), ♀                 | Alachua Co.: Gainesville   | 5481   | (McD 5959)   |
| 14 | <i>Diatraea evanescens</i> Dyar, ♀                | Alachua Co.: Gainesville   | 5478   | (McD 5961)   |
| 15 | <i>Haimbachia squamulella</i> (Zeller), ♀         | Missouri                   | 5482   | (McD 5967)   |
| 16 | <i>Chilo plejadellus</i> Zincken, ♀               | Escambia Co.: Pensacola    | 5470   | (McD 5976)   |
| 17 | <i>Xubida panalope</i> (Dyar), ♂                  | Alachua Co.: Gainesville   | 5500   | (McD 5982)   |
| 18 | <i>Epimorius testaceellus</i> Ragonot, ♀          | Glades Co.: Fisheating Cr. | 5634.1 | (McD --)     |
| 19 | <i>Macalla phaeobasalis</i> Hampson, ♂            | Monroe Co.: No Name Key    | 5576   | (McD 6013.1) |
| 20 | <i>Milgithea trilinearis</i> (Hampson), ♂         | Monroe: No Name Key        | 5587.1 | (McD --)     |
| 21 | <i>Deuterollyta majuscula</i> Herrich-Schäffer, ♀ | Volusia Co.: Cassadaga     | 5582   | (McD 6019)   |
| 22 | <i>Toripalpus breviornatalis</i> (Grote), ♀       | Okaloosa Co.: Shalimar     | 5584   | (McD 6021)   |
| 23 | <i>Oneida lunulalis</i> (Hulst), ♀                | Volusia Co.: Cassadaga     | 5588   | (McD 6025)   |
| 24 | <i>Tallula atrifascialis</i> (Hulst), ♀           | Volusia Co.: Cassadaga     | 5591   | (McD 6027)   |
| 25 | <i>Tallula watsoni</i> B. & McD., ♂               | Volusia Co.: Cassadaga     | 5592   | (McD 6028)   |
| 26 | <i>Pococera melanogrammos</i> (Zeller), ♀         | Volusia Co.: Cassadaga     | 5597   | (McD 6034)   |
| 27 | <i>Pococera floridella</i> (Hulst), ♀             | Monroe Co.: Plantation Key | 5601   | (McD 6038)   |
| 28 | <i>Pococera militella</i> (Zeller), ♀             | Alachua Co.: Gainesville   | 5604   | (McD 6040)   |
| 29 | <i>Pococera baptisiella</i> (Fernald), ♂          | Missouri                   | 5619   | (McD 6053)   |
| 30 | <i>Acrobasis grossbecki</i> (B. & McD.), ♂        | Alachua Co.: Gainesville   | 5652   | (McD 6116)   |
| 31 | <i>Acrobasis evanescentella</i> Dyar, ♀           | Highlands Co.: Lake Placid | 5668   | (McD 6086)   |
| 32 | <i>Acrobasis stigmella</i> Dyar, ♀                | Missouri                   | 5669   | (McD 6089)   |
| 33 | <i>Davara caricae</i> (Dyar), ♂                   | Monroe Co.: Key Largo      | 5732   | (McD 6119)   |
| 34 | <i>Atheloca subrufella</i> (Hulst), ♀             | Orange Co.: Ocoee          | 5734   | (McD 6121)   |
| 35 | <i>Salebriaria turpidella</i> (Ragonot), ♀        | Volusia Co.: Cassadaga     | 5771   | (McD 6196)   |
| 36 | <i>Salebriaria engeli</i> (Dyar), ♀               | Missouri                   | 5773   | (McD 6195)   |
| 37 | <i>Salebriaria annulosella</i> (Ragonot), ♀       | Volusia Co.: Cassadaga     | 5774   | (McD 6197)   |
| 38 | <i>Nephoterix subfuscella</i> (Ragonot), ♀        | Alachua Co.: Gainesville   | 5789   | (McD 6213)   |

(all figures at 180%)



**PLATE 8. MIMALLONIDAE, LIMACODIDAE, MEGALOPYGIDAE, ZYGAENIDAE,  
THYRIDIDAE, HYBLAEIDAE, PYRALIDAE**

**MIMALLONIDAE**

|   |   |                          |      |            |
|---|---|--------------------------|------|------------|
| 1 | <i>Lacosoma chiridota</i> Grote, ♂      | Alachua Co.: Gainesville | 7659 | (McD 5227) |
| 2 | <i>Lacosoma chiridota</i> Grote, ♀      | Escambia Co.             | 7659 | (McD 5227) |
| 3 | <i>Cicinnus melsheimeri</i> (Harris), ♀ | Volusia Co.: Cassadaga   | 7662 | (McD 5229) |

**LIMACODIDAE**

|    |   |                          |        |            |
|----|---|--------------------------|--------|------------|
| 4  | <i>Acharia stimulea</i> (Clemens), ♀          | Volusia Co.: Cassadaga   | 4700   | (McD 5230) |
| 5  | <i>Acharia stimulea</i> (Clemens), ♂          | Escambia Co.             | 4700   | (McD 5230) |
| 6  | <i>Euclea nanina</i> Dyar, ♂                  | Volusia Co.: Cassadaga   | 4697.1 | (McD 5233) |
| 7  | <i>Monoleuca semifascia</i> (Walker), ♀       | Volusia Co.: Cassadaga   | 4691   | (McD 5240) |
| 8  | <i>Phobetron pithecium</i> (J. E. Smith), ♀   | Alachua Co.: Gainesville | 4677   | (McD 5254) |
| 9  | <i>Isochaetes beutenmuelleri</i> (H. Edw.), ♂ | Escambia Co.             | 4675   | (McD 5256) |
| 10 | <i>Alarodia slossoniae</i> (Packard), ♀       | Volusia Co.: Cassadaga   | 4673   | (McD 5258) |
| 11 | <i>Prolimacodes badius</i> (Hübner), ♂        | Volusia Co.: Cassadaga   | 4671   | (McD 5260) |
| 12 | <i>Lithacodes gracea</i> Dyar, ♂              | Alachua Co.              | 4664   | (McD 5267) |
| 13 | <i>Apoda rectilinea</i> (G. & R.), ♂          | Escambia Co.             | 4668   | (McD 5263) |

**MEGALOPYGIDAE**

|    |  |                        |      |            |
|----|--|------------------------|------|------------|
| 14 | <i>Megalopyge opercularis</i> (J. E. Smith), ♂ | Volusia Co.: Cassadaga | 4647 | (McD 5283) |
| 15 | <i>Lagoa pyxidifera</i> (J. E. Smith), ♀       | Volusia Co.: Cassadaga | 4642 | (McD 5288) |

**ZYGAENIDAE**

|    |  |                          |      |            |
|----|--|--------------------------|------|------------|
| 16 | <i>Pyromorpha dimidiata</i> (H.-S.), ♂     | Alachua Co.: Gainesville | 4639 | (McD 5293) |
| 17 | <i>Acolothus falsarius</i> Clemens, ♀      | Escambia Co.             | 4629 | (McD 5302) |
| 18 | <i>Harrisina americana</i> (Guér.-Mén.), ♂ | Escambia Co.             | 4624 | (McD 5307) |

**THYRIDIDAE**

|     |  |                              |      |              |
|-----|--|------------------------------|------|--------------|
| 19  | <i>Pseudothyris sepulchralis</i> (Bdv.), ♂ | Virginia                     | 6077 | (McD 5315)   |
| 20  | <i>Hexeris enhydris</i> Grote, ♂           | Sarasota Co.: Siesta Key     | 6082 | (McD 5321)   |
| 21  | <i>Meskea dyspteraria</i> Grote, ♂         | Dade Co.: Opalocka           | 6085 | (McD 5323)   |
| 21a | <i>Meskea dyspteraria</i> Grote [gall], ♂  | Dade Co.: Opalocka           | 6085 | (McD 5323)   |
| 22  | <i>Rhodoneura terminalis</i> (Walker), ♀   | [Monroe Co. ?]: "Ulyss. Is." | 6084 | (McD 5323.1) |

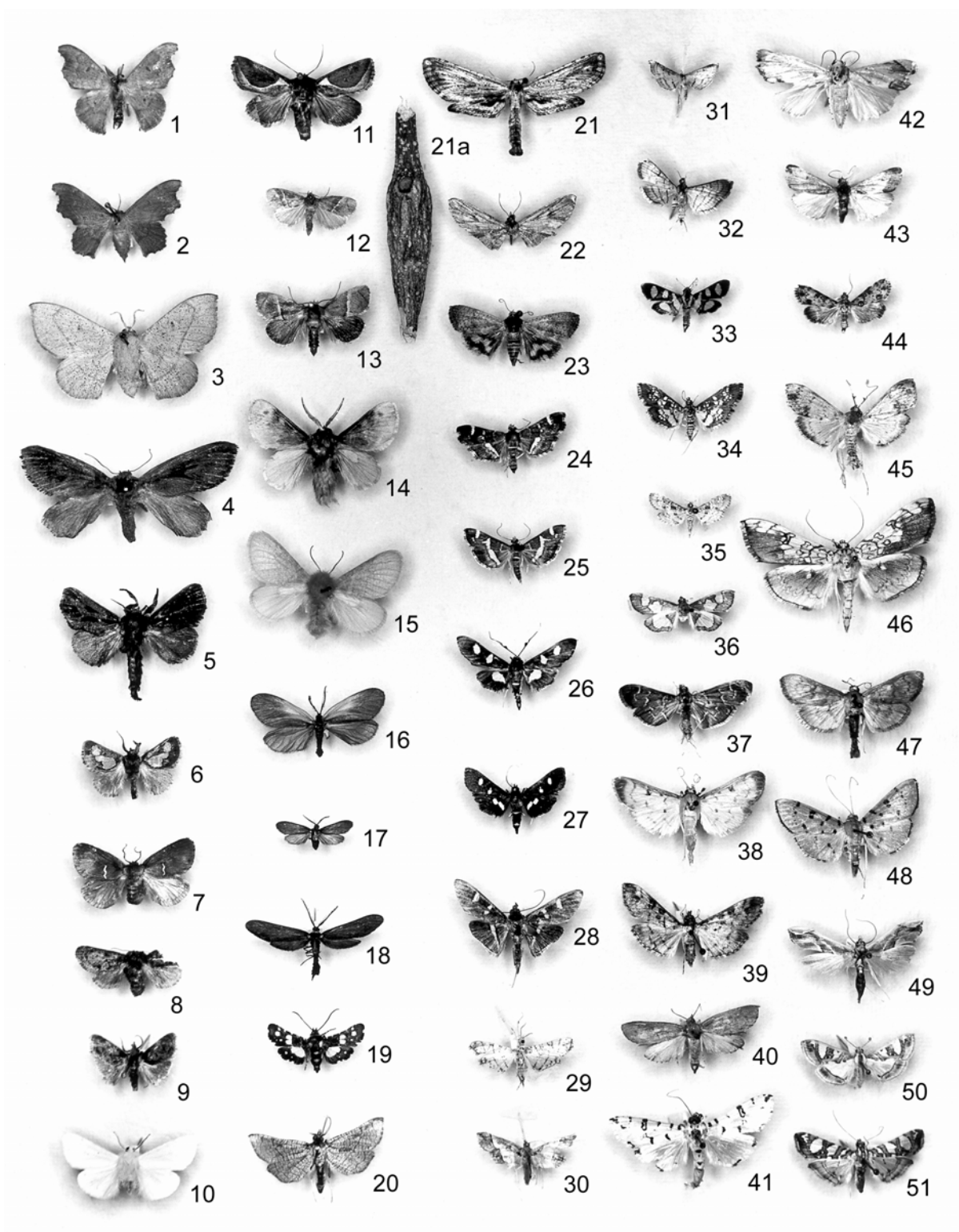
**HYBLAEIDAE**

|    |                                  |                     |      |            |
|----|----------------------------------|---------------------|------|------------|
| 23 | <i>Hyblaea puera</i> (Cramer), ♀ | Dade Co.: Homestead | 6088 | (McD 3814) |
|----|----------------------------------|---------------------|------|------------|

**PYRALIDAE**

|    |   |                              |      |              |
|----|---|------------------------------|------|--------------|
| 24 | <i>Hymenia perspectalis</i> (Hübner), ♂           | Escambia Co.                 | 5169 | (McD 5353)   |
| 25 | <i>Spoladea recurvalis</i> (Fabricius), ♂         | Alachua Co.                  | 5170 | (McD 5354)   |
| 26 | <i>Desmia funeralis</i> (Hübner), ♂               | Sarasota Co.: Siesta Key     | 5159 | (McD 5355)   |
| 27 | <i>Desmia funeralis</i> (Hübner), ♀               | Escambia Co.                 | 5159 | (McD 5355)   |
| 28 | <i>Desmia ploralis</i> (Guenée), ♂                | Monroe Co.: Everglades N.P.  | 5167 | (McD 5355.4) |
| 29 | <i>Synclera jarbusalis</i> (Walker), ♀            | Dade Co.: Homestead          | 5196 | (McD 5357)   |
| 30 | <i>Hydriris ornatalis</i> (Dup.), ♀               | Polk Co.: Winter Park        | 5127 | (McD 5358)   |
| 31 | <i>Marasmia cochrusalis</i> (Walker), ♂           | Sarasota Co.: Siesta Key     | 5289 | (McD 5360)   |
| 32 | <i>Marasmia trapezalis</i> (Guenée), ♀            | Palm Beach Co.: Belle Glade  | 5288 | (McD 5361)   |
| 33 | <i>Syngamia florella</i> (Stoll), ♀               | Volusia Co.: Cassadaga       | 5284 | (McD 5363)   |
| 34 | <i>Samea ecclesialis</i> Guenée, ♀                | Sarasota Co.: Siesta Key     | 5150 | (McD 5365)   |
| 35 | <i>Samea multiplicalis</i> (Guenée), ♀            | Sarasota Co.: Siesta Key     | 5151 | (McD 5366)   |
| 36 | <i>Colomychus talis</i> (Grote)                   | Mississippi                  | 5200 | (McD 5370)   |
| 37 | <i>Pilocrocis ramentalis</i> (Lederer), ♀         | Dade Co.: Homestead          | 5281 | (McD 5371)   |
| 38 | <i>Lygropia plumbicostalis</i> (Grote), ♂         | Collier Co.: Chokoloskee     | 5249 | (McD 5373)   |
| 39 | <i>Mimorista tristigmalis</i> (Hampson), ♀        | Sarasota Co.: Siesta Key     | 5141 | (McD 5375)   |
| 40 | <i>Omiodes rufescens</i> (Hampson), ♀             | Monroe Co.: Key Largo        | 5213 | (McD 5375.1) |
| 41 | <i>Conchylodes diphteralis</i> (Geyer), ♂         | Monroe Co.: Key Largo        | 5290 | (McD 5376)   |
| 42 | <i>Dichogama redtenbacheri</i> Lederer, ♀         | Monroe Co.: Tavernier        | 4790 | (McD 5379)   |
| 43 | <i>Atatuncusia bergii</i> (Möschler), ♀           | Monroe Co.: Tavernier        | 4793 | (McD 5381)   |
| 44 | <i>Blepharomastix schistisemalis</i> (Hampson), ♀ | Sarasota Co.: Siesta Key     | 5191 | (McD 5384.1) |
| 45 | <i>Asciodes gordialis</i> Guenée, ♂               | Sarasota Co.: Siesta Key     | 5267 | (McD 5395)   |
| 46 | <i>Pantographa limata</i> (G. & R.), ♂            | Volusia Co.: Cassadaga       | 5241 | (McD 5397)   |
| 47 | <i>Psara obscuralis</i> (Lederer), ♂              | North Carolina               | 5268 | (McD 5401)   |
| 48 | <i>Phaedropsis stictigrama</i> (Hampson), ♂       | Sarasota Co.: Siesta Key     | 5247 | (McD 5408)   |
| 49 | <i>Agathodes designalis</i> Guenée, ♂             | Pinellas Co.: St. Petersburg | 5240 | (McD 5410)   |
| 50 | <i>Glyphodes pyloalis</i> Walker, ♂               | Volusia Co.: Cassadaga       | 5197 | (McD 5412)   |
| 51 | <i>Glyphodes sibillalis</i> Walker, ♀             | Volusia Co.: Cassadaga       | 5198 | (McD 5420)   |

(Originally, Kimball (1965) Plate 24)

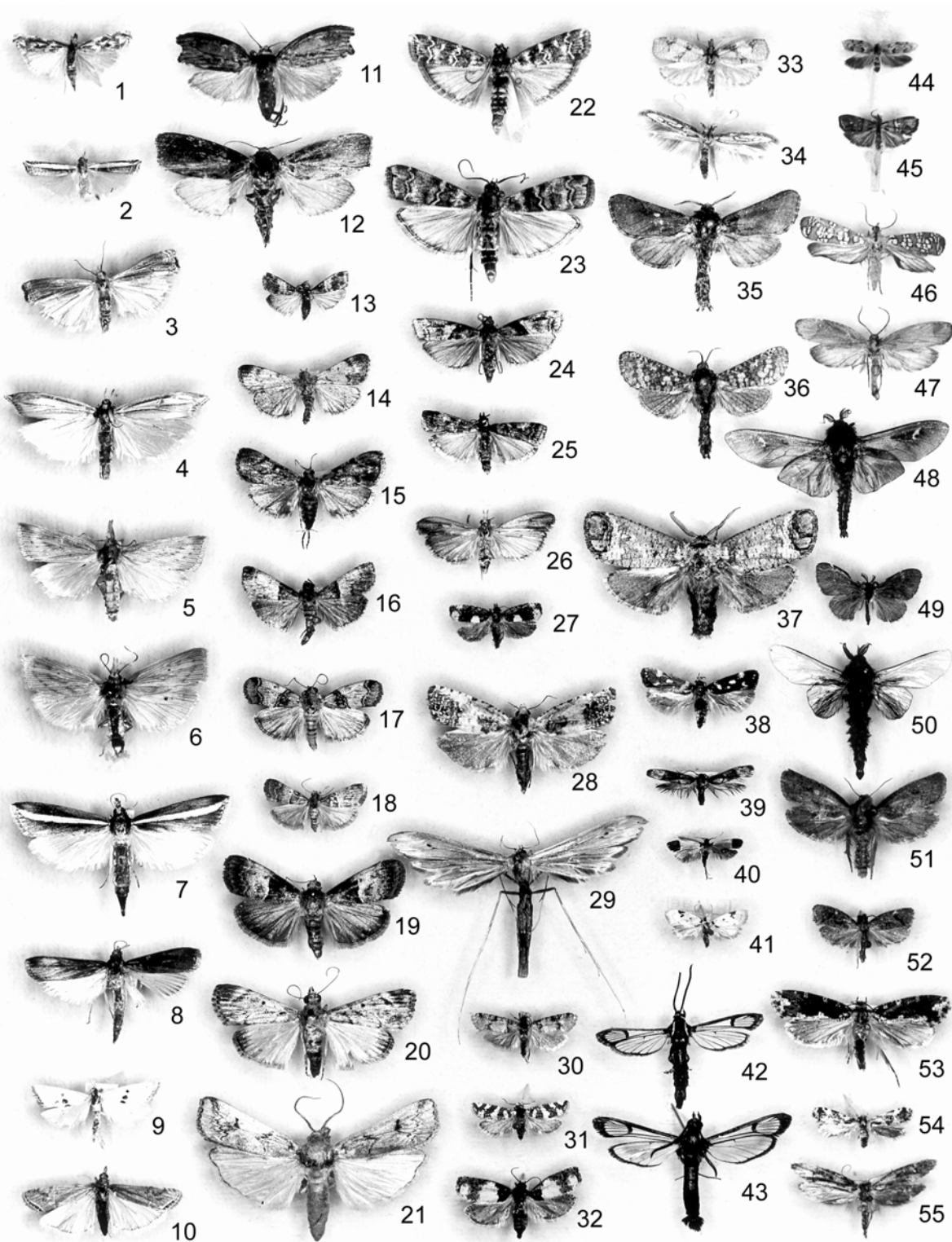


**PLATE 9. PYRALIDAE, PTEROPHORIDAE, TORTRICIDAE, COLEOPHORIDAE, COSSIDAE, GELECHIIDAE, BLASTOBASIDAE, OECOPHORIDAE, SESIIDAE, CHOREUTIDAE, ATTEVIDAE, URODIDAE, PSYCHIDAE, ACROLOPHIDAE, TINEIDAE**

|               |  |            |              |               |  |            |            |
|---------------|--|------------|--------------|---------------|--|------------|------------|
| PYRALIDAE     |  |            |              | 31            | <i>Eucosma robinsonana</i> (Grote), ♀            |            |            |
| 1             | <i>Prionapteryx serpentella</i> Kearfott, ♀              |            |              |               | Escambia Co. 3009                                | (McD 6865) |            |
|               | Sarasota Co.: Siesta Key                                 | 5336       | (McD 5844)   | 32            | <i>Epiblema scudderiana</i> (Clemens), ♀         |            |            |
| 2             | <i>Crambus quinquareatus</i> Zeller, ♂                   |            |              |               | Sarasota Co.: Siesta Key                         | 3186       | (McD 7027) |
|               | Alachua Co.: Gainesville                                 | 5369       | (McD 5853)   | 33            | <i>Sparganothis karacana</i> (Kearfott), ♂       |            |            |
| 3             | <i>Parapediasia decorella</i> (Zincken)                  |            |              |               | Volusia Co.: Cassadaga                           | 3718       | (McD 7322) |
|               | Escambia Co.   | 5450       | (McD 5897)   | COLEOPHORIDAE |  |            |            |
| 4             | <i>Crambus satrapellus</i> (Zincken), ♀                  |            |              | 34            | <i>Homaledra heptathalama</i> Busck, ♂           |            |            |
|               | Alachua Co.: Gainesville                                 | 5372       | (McD 5851)   |               | Sarasota Co.: Siesta Key                         | 1421       | (McD 7736) |
| 5             | <i>Diatraea saccharalis</i> (Fabricius), ♀               |            |              | COSSIDAE      |  |            |            |
|               | Louisiana  | 5475       | (McD 5960)   | 35            | <i>Givira francesca</i> (Dyar), ♂                |            |            |
| 6             | <i>Diatraea crambidoides</i> (Grote), ♂                  |            |              |               | Volusia Co.: Cassadaga                           | 2671       | (McD 7644) |
|               | North Carolina   | 5476       | (McD 5962)   | 36            | <i>Givira anna</i> (Dyar), ♂                     |            |            |
| 7             | <i>Carectocultus perstrialis</i> (Hübner), ♂             |            |              |               | Volusia Co.: Cassadaga                           | 2668       | (McD 7641) |
|               | Escambia Co.   | 5307       | (McD 5818)   | 37            | <i>Cossula magnifica</i> (Strecker), ♂           |            |            |
| 8             | <i>Carectocultus perstrialis</i> (Hübner), ♂ (dark form) |            |              |               | Volusia Co.: Cassadaga                           | 2674       | (McD 7652) |
|               | Dade Co.: Ochopee 5307                                   | (McD 5818) |              | GELECHIIDAE   |  |            |            |
| 9             | <i>Vaxi tripsacas</i> (Dyar), ♂                          |            |              | 38            | <i>Aroga compositella</i> (Walker), ♀            |            |            |
|               | Volusia Co.: De Bary                                     | 5467       | (McD 5932)   |               | Volusia Co.: Cassadaga                           | 2187       | (McD 7976) |
| 10            | <i>Euchromius ocellus</i> (Haworth), ♂                   |            |              | BLASTOBASIDAE |  |            |            |
|               | Gadsden Co.: Quincy                                      | 5454       | (McD 5952)   | 39            | <i>Blastobasis glandulella</i> (Riley), ♂        |            |            |
| 11            | <i>Galleria mellonella</i> (L.), ♂                       |            |              |               | Escambia Co. 1162                                | (McD 8488) |            |
|               | Alachua Co.: Gainesville                                 | 5622       | (McD 5989)   | GELECHIIDAE   |  |            |            |
| 12            | <i>Galleria mellonella</i> (L.), ♀                       |            |              | 40            | <i>Anacampsis coverdalella</i> Kearfott, ♂       |            |            |
|               | Volusia Co.: Cassadaga                                   | 5622       | (McD 5989)   |               | Escambia Co. 2234                                | (McD 8260) |            |
| 13            | <i>Tallula atramentalis</i> (Lederer), ♀                 |            |              | OECOPHORIDAE  |  |            |            |
|               | Dade Co.: Homestead                                      | 5590       | (McD 6054.1) | 41            | <i>Inga sparsiciliella</i> (Clemens), ♂          |            |            |
| 14            | <i>Macalla superatalis</i> (Clemens), ♂                  |            |              |               | Volusia Co.: Cassadaga                           | 1034       | (McD 8466) |
|               | Escambia Co.   | 5577       | (McD 6014)   | SESIIDAE      |  |            |            |
| 15            | <i>Macalla superatalis</i> (Clemens), ♀                  |            |              | 42            | <i>Synanthedon exitiosa</i> (Say), ♀             |            |            |
|               | Escambia Co.   | 5577       | (McD 6014)   |               | Alachua Co.: Gainesville                         | 2583       | (McD 8691) |
| 16            | <i>Macalla zelleri</i> (Grote), ♂                        |            |              | 43            | <i>Synanthedon exitiosa</i> (Say), ♂             |            |            |
|               | Sarasota Co.: Siesta Key                                 | 5579       | (McD 6016)   |               | Jefferson Co.: Monticello                        | 2583       | (McD 8691) |
| 17            | <i>Pococera subcanalis</i> (Walker), ♀                   |            |              | OECOPHORIDAE  |  |            |            |
|               | Volusia Co.: Cassadaga                                   | 5602       | (McD 6039)   | 44            | <i>Antaeotricha humilis</i> (Zeller), ♂          |            |            |
| 18            | <i>Pococera scortealis</i> (Lederer), ♀                  |            |              |               | Manatee Co.: Oneco                               | 1019       | (McD 8590) |
|               | Volusia Co.: Cassadaga                                   | 5596       | (McD 6032)   | CHOREUTIDAE   |  |            |            |
| 19            | <i>Pococera robustella</i> (Zeller), ♀                   |            |              | 45            | <i>Tortyra slosonia</i> (Fernald), ♂             |            |            |
|               | Volusia Co.: Cassadaga                                   | 5595       | (McD 6031)   |               | Sarasota Co.: Siesta Key                         | 2653       | (McD 8641) |
| 20            | <i>Macalla thyrsisalis</i> Walker, ♀                     |            |              | ATTEVIDAE     |  |            |            |
|               | Monroe Co.: Key Largo                                    | 5575       | (McD 6013)   | 46            | <i>Atteva pastulella</i> (Fabricius), ♀          |            |            |
| 21            | <i>Melitara prodenialis</i> Walker, ♂                    |            |              |               | Arkansas 2401                                    | (McD 8939) |            |
|               | Volusia Co.: Cassadaga                                   | 5970       | (McD 6277)   | URODIDAE      |  |            |            |
| 22            | <i>Dioryctria amatella</i> (Hulst), ♂                    |            |              | 47            | <i>Urodus parvula</i> (H. Edw.), ♂               |            |            |
|               | Orange Co.: Orlando                                      | 5853       | (McD 6135)   |               | Volusia Co.: Cassadaga                           | 2415       | (McD 8944) |
| 23            | <i>Dioryctria amatella</i> (Hulst), ♀                    |            |              | PSYCHIDAE     |  |            |            |
|               | Highlands Co.: Childs                                    | 5853       | (McD 6135)   | 48            | <i>Oiketicus abbottii</i> Grote, ♂               |            |            |
| 24            | <i>Dioryctria clarioralis</i> (Walker), ♀                |            |              |               | Monroe Co.: Key Largo                            | 454        | (McD 9514) |
|               | Escambia Co.   | 5863.1     | (McD 6125)   | 49            | <i>Cryptothelea gloverii</i> (Packard), ♂        |            |            |
| 25            | <i>Dioryctria pygmaeella</i> Ragonot, ♂                  |            |              |               | Volusia Co.: Cassadaga                           | 442        | (McD 9523) |
|               | Virginia   | 5849       | (McD 6136)   | 50            | <i>Thyridopteryx ephemeriformis</i> (Haworth), ♂ |            |            |
| 26            | <i>Ancylostomia stercorea</i> (Zeller), ♀                |            |              |               | Volusia Co.: Cassadaga                           | 457        | (McD 9519) |
|               | Escambia Co.   | 5741       | (McD --)     | ACROLOPHIDAE  |  |            |            |
| TORTRICIDAE   |  |            |              | 51            | <i>Acrolophus plumifrontella</i> (Clemens), ♂    |            |            |
| 27            | <i>Olethreutes devotana</i> Kearfott, ♀                  |            |              |               | Manatee Co.: Oneco                               | 372        | (McD 9556) |
|               | Volusia Co.: Cassadaga                                   | 2857       | (McD 6741)   | 52            | <i>Acrolophus texanella</i> (Chambers), ♂        |            |            |
| 28            | <i>Eucosma giganteana</i> (Riley), ♀                     |            |              |               | Sarasota Co.: Siesta Key                         | 383        | (McD 9558) |
|               | Volusia Co.: Cassadaga                                   | 3098       | (McD 6957)   | TINEIDAE      |  |            |            |
| PTEROPHORIDAE |  |            |              | 53            | <i>Scardia anatomella</i> (Grote), ♀             |            |            |
| 29            | <i>Leioptilus balanotes</i> (Meyrick), ♂                 |            |              |               | Escambia Co. 311                                 | (McD 9615) |            |
|               | Volusia Co.: Cassadaga                                   | 6210       | (McD 6569)   | 54            | <i>Scardia approximata</i> Dietz, ♂              |            |            |
| TORTRICIDAE   |  |            |              |               | Escambia Co. 308                                 | (McD 9623) |            |
| 30            | <i>Rhyacionia subtropica</i> W. E. Miller, ♂             |            |              | 55            | <i>Cephitinea obsкуроstrigella</i> (Chambers), ♂ |            |            |
|               | Volusia Co.: Cassadaga                                   | 2869       | (McD 6751.1) |               | Escambia Co. 324                                 | (McD 9642) |            |

(Originally, Kimball (1965) Plate 26)







**PLATE 10. GLYPHIPTERIGIDAE, PLUTELLIDAE, YPONOMEUTIDAE, SESIIDAE****GLYPHIPTERIGIDAE**

|   |  |                          |        |          |
|---|--|--------------------------|--------|----------|
| 1 | <i>Drymoana blanchardi</i> Heppner, ♀ PT   | Texas                    | 2336.2 | (McD --) |
| 2 | <i>Diploschizia habecki</i> Heppner, ♀ PT  | Alachua Co.: Gainesville | 2345.4 | (McD --) |
| 3 | <i>Diploschizia kimballi</i> Heppner, ♂ PT | Alachua Co.: Gainesville | 2346.1 | (McD --) |

**PLUTELLIDAE**

|   |                                     |                  |      |            |
|---|-------------------------------------|------------------|------|------------|
| 4 | <i>Plutella porrectella</i> (L.), ♀ | Polk Co.: Bartow | 2363 | (McD 8870) |
| 5 | <i>Plutella xylostella</i> (L.), ♂  | Missouri         | 2366 | (McD 8878) |

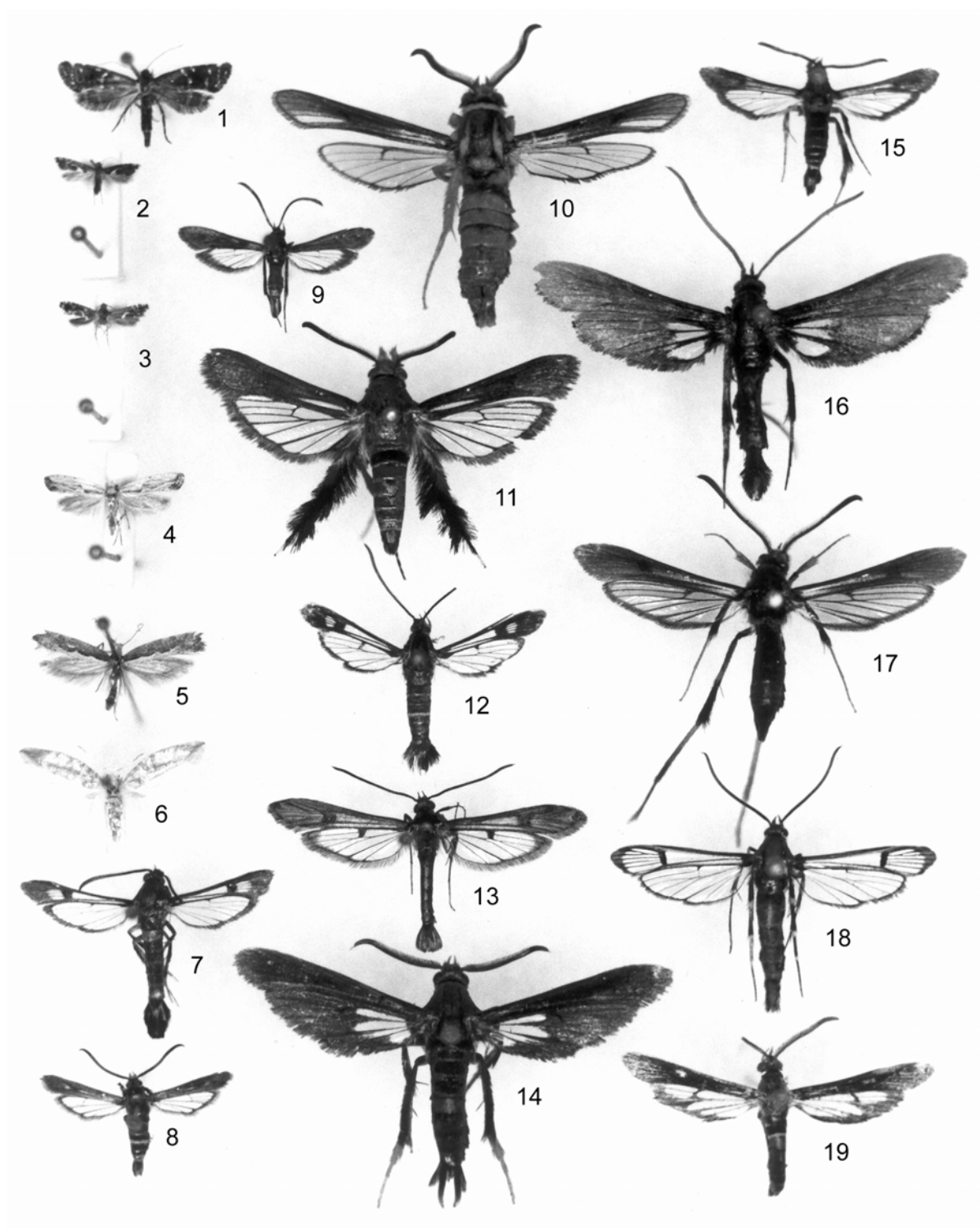
**YPONOMEUTIDAE**

|   |                                      |                             |      |              |
|---|--------------------------------------|-----------------------------|------|--------------|
| 6 | <i>Zelleria retiniella</i> Forbes, ♀ | Hernando Co.: McKethan Lake | 2431 | (McD 8921.1) |
|---|--------------------------------------|-----------------------------|------|--------------|

**SESIIDAE**

|    |  |                                |        |            |
|----|--|--------------------------------|--------|------------|
| 7  | <i>Carmenta texana</i> (H. Edw.), ♂                          | Dade Co.: Miami                | 2614   | (McD 8742) |
| 8  | <i>Osmia ruficornis</i> (H. Edw.), ♂                         | Missouri                       | 2545   | (McD 8757) |
| 9  | <i>Synanthedon geliformis</i> (Walker), ♂                    | Alachua Co.: Gainesville       | 2547   | (McD 8752) |
| 10 | <i>Paranthrene simulans</i> (Grote), ♀ (form <i>palmii</i> ) | New York                       | 2527   | (McD 8799) |
| 11 | <i>Melittia cucurbitae</i> (Harris), ♂                       | Missouri                       | 2536   | (McD 8777) |
| 12 | <i>Carmenta laurelae</i> L. Brown, E. & S., ♂ PT             | Hillsborough Co.: Tampa        | 2591.1 | (McD --)   |
| 13 | <i>Synanthedon acerni</i> (Clemens), ♂ (dark form)           | Louisiana                      | 2554   | (McD 8727) |
| 14 | <i>Sannina uroceriformis</i> Walker, ♂                       | Dade Co.: Homestead            | 2590   | (McD 8765) |
| 15 | <i>Synanthedon sapygaeformis</i> (Walker), ♂                 | Hillsborough Co.: Tampa        | 2573   | (McD 8753) |
| 16 | <i>Alcathoe carolinensis</i> Engelhardt, ♂                   | Texas                          | 2622   | (McD 8686) |
| 17 | <i>Podosesia syringae</i> (Harris), ♀                        | Missouri                       | 2589   | (McD 8768) |
| 18 | <i>Synanthedon pictipes</i> (G. & R.), ♀                     | Alachua Co.: Gainesville       | 2550   | (McD 8720) |
| 19 | <i>Vitacea polistiformis</i> (Harris), ♀                     | Citrus Co.: Withlacoochee S.F. | 2530   | (McD 8801) |

(all figures at 200%)



**PLATE 11. PYRALIDAE, PTEROPHORIDAE, TORTRICIDAE****PYRALIDAE**

|    |   |                                  |      |            |
|----|---|----------------------------------|------|------------|
| 1  | <i>Tulsa finitella</i> (Walker), ♀              | Volusia Co.: Cassadaga           | 5809 | (McD 6177) |
| 2  | <i>Divitiaca parvulella</i> McD., ♀             | Monroe Co.: Key Largo            | 5911 | (McD 6355) |
| 3  | <i>Ocala dryadella</i> Hulst, ♀                 | Polk Co.: Winter Garden          | 5914 | (McD 6359) |
| 4  | <i>Hulstia undulatella</i> (Clemens), ♀         | Colorado                         | 5918 | (McD 6341) |
| 5  | <i>Mescinia estrella</i> B. & McD., ♂           | Dade Co.: Homestead              | 5934 | (McD 6322) |
| 6  | <i>Homoeosoma electellum</i> (Hulst), ♀         | Alachua Co.: Gainesville         | 5935 | (McD 6374) |
| 7  | <i>Phycitodes albatella</i> (Ragonot), ♀        | Arkansas                         | 5946 | (McD 6370) |
| 8  | <i>Laetilia coccidivora</i> (J. H. Comstock), ♀ | Alachua Co.: Gainesville         | 5949 | (McD 6328) |
| 9  | <i>Euzophera semifuneralis</i> (Walker), ♀      | Missouri                         | 5995 | (McD 6317) |
| 10 | <i>Eulogia ochrifrontella</i> (Zeller), ♂       | Missouri                         | 5999 | (McD 6318) |
| 11 | <i>Ephesiodes infimella</i> Ragonot, ♂          | Missouri                         | 6001 | (McD 6380) |
| 12 | <i>Moodna ostrinella</i> (Clemens), ♀           | Alachua Co.: Gainesville         | 6005 | (McD 6396) |
| 13 | <i>Cabnia myronella</i> Dyar, ♀                 | Pinellas Co.: Honeymoon Is. S.P. | 6037 | (McD 6427) |
| 14 | <i>Coenochroa bipunctella</i> (B. & McD.), ♀    | Sarasota Co.: Siesta Key         | 6041 | (McD 6435) |
| 15 | <i>Homosassa ella</i> (Hulst), ♂                | Volusia Co.: Cassadaga           | 6068 | (McD 6442) |
| 16 | <i>Tampa dimediatella</i> Ragonot, ♀            | Texas                            | 6028 | (McD 6450) |
| 17 | <i>Peoria roseotinctella</i> (Ragonot), ♀       | Volusia Co.: Cassadaga           | 6049 | (McD 6452) |

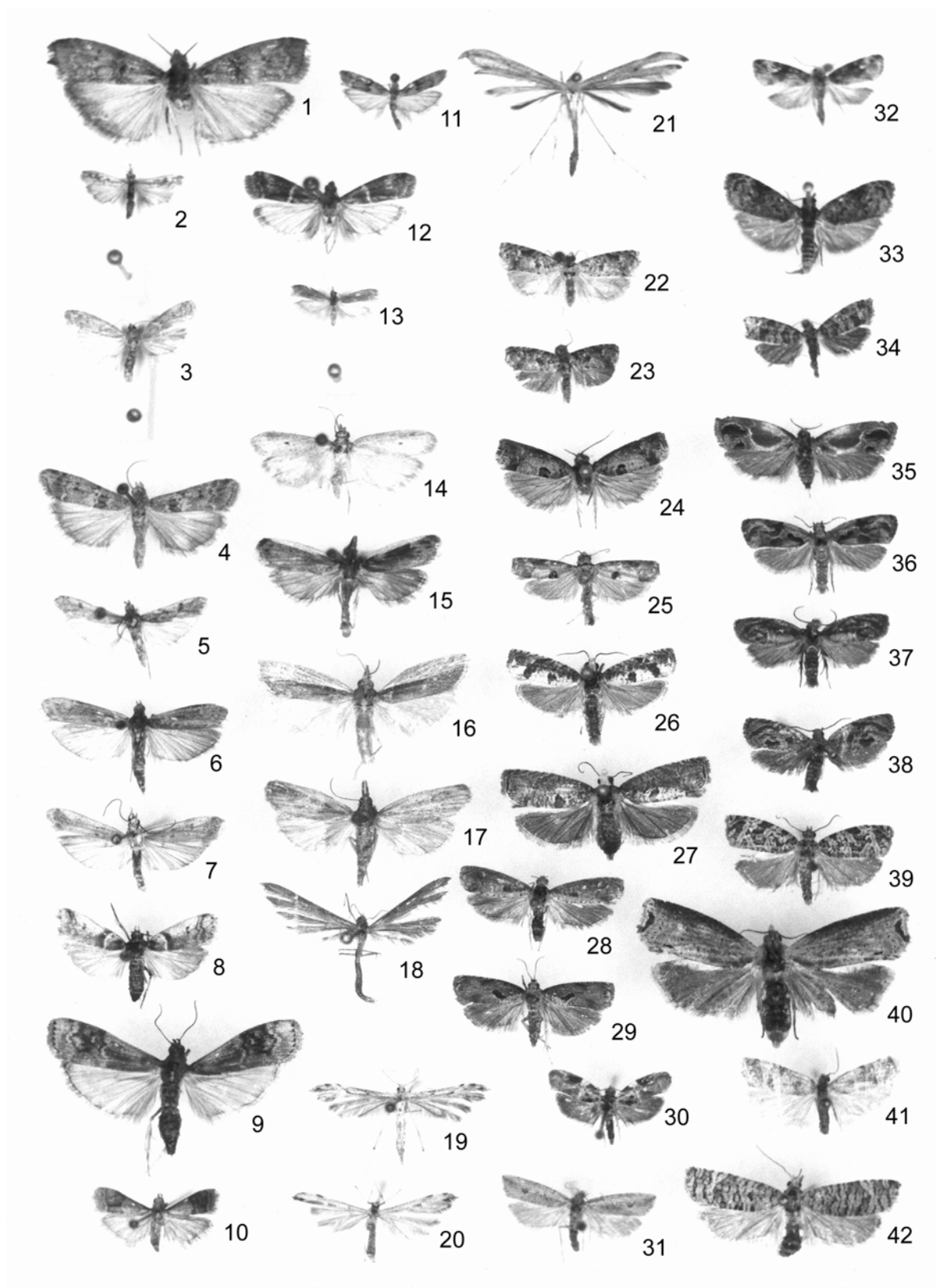
**PTEROPHORIDAE**

|    |   |           |        |            |
|----|---|-----------|--------|------------|
| 18 | <i>Exelastis pumilio</i> (Zeller), ♂    | Louisiana | 6142.2 | (McD 6504) |
| 19 | <i>Pselnophorus belfragei</i> (Fish), ♀ | Louisiana | 6154   | (McD 6516) |
| 20 | <i>Adaina ambrosiae</i> (Murtfeldt), ♀  | Missouri  | 6160   | (McD 6522) |
| 21 | <i>Emmelina monodactyla</i> (L.), ♂     | Missouri  | 6234   | (McD 6588) |

**TORTRICIDAE**

|    |   |                          |        |              |
|----|---|--------------------------|--------|--------------|
| 22 | <i>Episimus argutatus</i> (Clemens), ♂        | New York                 | 2701   | (McD 6592)   |
| 23 | <i>Episimus guiana</i> Busck, ♂               | Monroe Co.: Key Largo    | 2701.1 | (McD --)     |
| 24 | <i>Episimus augmentatus</i> (Zeller), ♂       | Monroe Co.: Key Largo    | 2702   | (McD 6593)   |
| 25 | <i>Episimus burserae</i> Heppner, ♂ PT        | Monroe Co.: Windley Key  | 2702.1 | (McD --)     |
| 26 | <i>Episimus kimballi</i> Heppner, ♂ PT        | Dade Co.: Florida City   | 2702.2 | (McD --)     |
| 27 | <i>Episimus kimballi</i> Heppner, ♀ PT        | Monroe Co.: Big Pine Key | 2702.2 | (McD --)     |
| 28 | <i>Episimus nesiotus</i> Walsingham, ♀        | Dade Co.: Homestead      | 2702.3 | (McD --)     |
| 29 | <i>Episimus tyrius</i> Heinrich, ♀            | Alachua Co.: Gainesville | 2703   | (McD 6594)   |
| 30 | <i>Cacocharis cymotoma</i> (Meyrick), ♀       | Volusia Co.: Cassadaga   | 2704   | (McD 6594.1) |
| 31 | <i>Bactra verutana</i> Zeller, ♂              | Volusia Co.: Cassadaga   | 2707   | (McD 6597)   |
| 32 | <i>Endopiza liriodendrana</i> (Kearfott), ♀   | Volusia Co.: Cassadaga   | 2711   | (McD 6601)   |
| 33 | <i>Endothenia hebesana</i> (Walker), ♀        | Missouri                 | 2738   | (McD 6625)   |
| 34 | <i>Endothenia albolineana</i> (Kearfott), ♀   | Missouri                 | 2745   | (McD 6630)   |
| 35 | <i>Eumaroza malachitana</i> (Zeller), ♀       | Marion Co.: Boardman     | 2749   | (McD 6634)   |
| 36 | <i>Zomaria interruptolineana</i> (Fernald), ♀ | Alachua Co.: Gainesville | 2750   | (McD 6635)   |
| 37 | <i>Zomaria rosaochreana</i> (Kearfott), ♂     | Glades Co.: Palmdale     | 2751   | (McD 6636)   |
| 38 | <i>Zomaria andromedana</i> (B. & McD.), ♂     | Marion Co.: Lynne        | 2752   | (McD 6637)   |
| 39 | <i>Phaecasiophora niveiguttana</i> Grote, ♂   | Volusia Co.: Cassadaga   | 2772   | (McD 6656)   |
| 40 | <i>Pseudogalleria inimicella</i> (Zeller), ♀  | Putnam Co.: Welaka       | 3500   | (McD 6744)   |
| 41 | <i>Rhyacionia rigidana</i> (Fernald), ♂       | Massachusetts            | 2868   | (McD 6751)   |
| 42 | <i>Retinia gemistrigulana</i> (Kearfott), ♀   | Marion Co.: Lake Delancy | 2898   | (McD 6762)   |

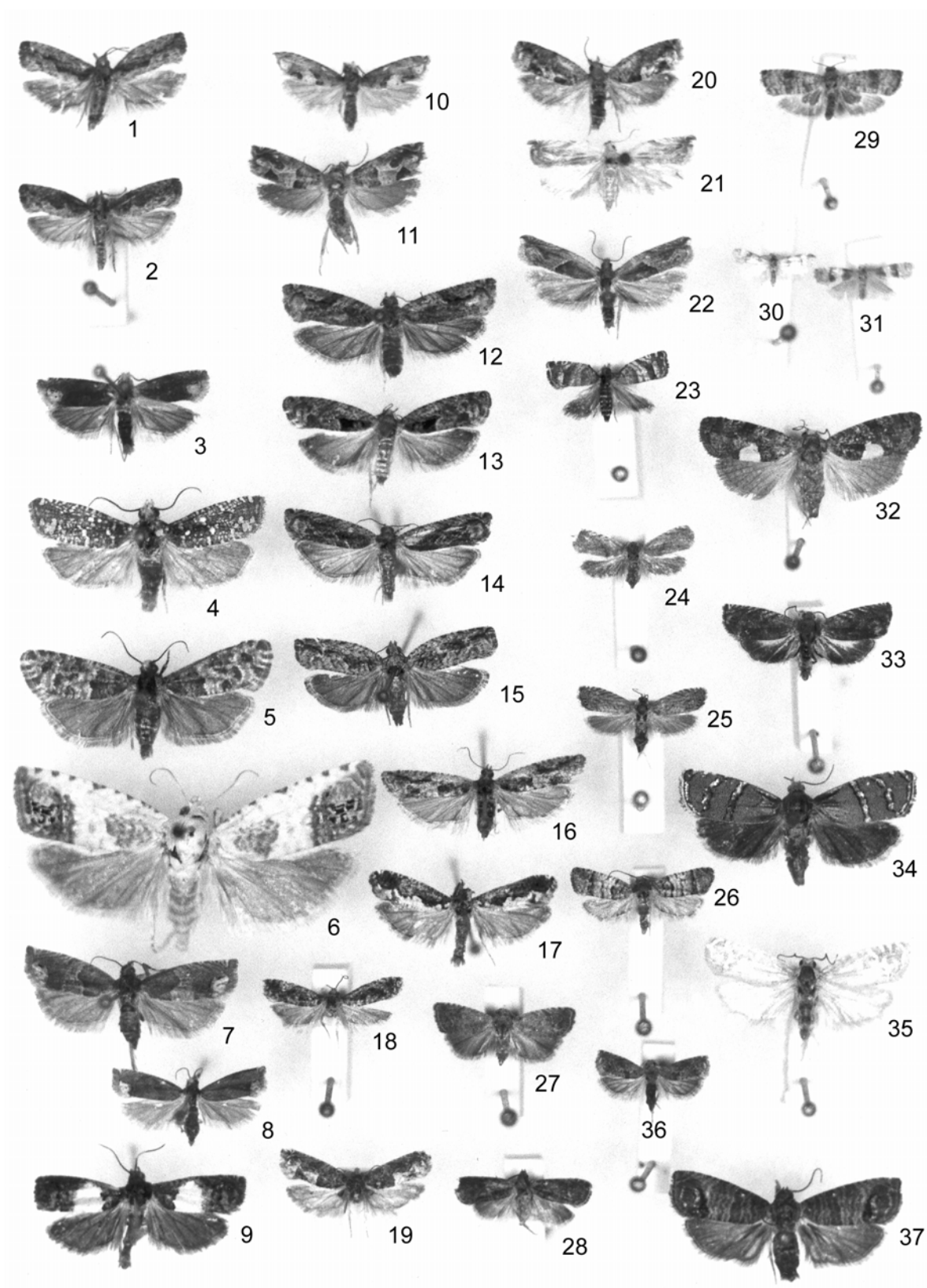
(all figures at 190%)



## PLATE 12. TORTRICIDAE

|    |   |                                |        |              |
|----|---|--------------------------------|--------|--------------|
| 1  | <i>Strepsicrates smithiana</i> (Walsingham), ♀  | Alachua Co.: Gainesville       | 2907   | (McD 6769)   |
| 2  | <i>Strepsicrates smithiana</i> (Walsingham), ♂  | Alachua Co.: Gainesville       | 2907   | (McD 6769)   |
| 3  | <i>Phaneta raracana</i> (Kearfott), ♂           | North Carolina                 | 2928   | (McD 6786)   |
| 4  | <i>Eucosma guttulana</i> A. Blanchard, ♂        | Texas                          | 3009.2 | (McD --)     |
| 5  | <i>Eucosma cocana</i> Kearfott, ♂               | Escambia Co.: Pensacola        | 3072   | (McD 6926)   |
| 6  | <i>Eucosma giganteana</i> (Riley), ♀            | Orange Co.: Orlando            | 3098   | (McD 6957)   |
| 7  | <i>Epiblema strenuana</i> (Walker), ♀           | Escambia Co.: Pensacola        | 3172   | (McD 7014)   |
| 8  | <i>Epiblema strenuana</i> (Walker), ♀           | Missouri                       | 3172   | (McD 7014)   |
| 9  | <i>Epiblema tripartitana</i> (Zeller), ♂        | Volusia Co.: Cassadaga         | 3184   | (McD 7025)   |
| 10 | <i>Suleima helianthana</i> (Riley), ♂           | Missouri                       | 3212   | (McD 7048)   |
| 11 | <i>Sonia parplesiana</i> A. Blanchard, ♂        | Volusia Co.: Cassadaga         | 3218.1 | (McD --)     |
| 12 | <i>Proteoteras aesculana</i> Riley, ♀           | Missouri                       | 3230   | (McD 7065)   |
| 13 | <i>Pseudexentera spoliata</i> (Clemens), ♀      | Volusia Co.: Blue Springs S.P. | 3251   | (McD 7080)   |
| 14 | <i>Pseudexentera haracana</i> (Kearfott), ♂     | Volusia Co.: Blue Springs S.P. | 3252   | (McD 7082)   |
| 15 | <i>Gretchena bolliana</i> (Slingerland), ♀      | Alachua Co.: Gainesville       | 3263   | (McD 7092)   |
| 16 | <i>Chimoptesis matheri</i> Powell, ♀            | Louisiana                      | 3271   | (McD --)     |
| 17 | <i>Chimoptesis pennsylvaniana</i> (Kearfott), ♂ | Louisiana                      | 3273   | (McD 7098)   |
| 18 | <i>Chimoptesis gerulae</i> (Heinrich), ♂        | Alachua Co.: Gainesville       | 3272   | (McD 7099)   |
| 19 | <i>Crociosema plebejana</i> Zeller, ♂           | Alachua Co.: Gainesville       | 3274   | (McD 7101)   |
| 20 | <i>Epinotia perplexana</i> (Fernald), ♀         | Louisiana                      | 3287   | (McD 7113)   |
| 21 | <i>Ancylis platanana</i> (Clemens), ♀           | Alachua Co.: Gainesville       | 3370   | (McD 7189)   |
| 22 | <i>Ancylis comptana</i> (Frölich), ♂            | Missouri                       | 3374   | (McD 7193)   |
| 23 | <i>Satronia tantilla</i> Heinrich, ♀            | Columbia Co.                   | 3415   | (McD 7232)   |
| 24 | <i>Dichrorampha sapodilla</i> Heppner, ♀ PT     | Dade Co.: Homestead            | 3414.1 | (McD 7239.1) |
| 25 | <i>Dichrorampha manilkara</i> Heppner, ♀ PT     | Monroe Co.: Middle Torch Key   | 3414.2 | (McD --)     |
| 26 | <i>Larisa subsolana</i> W. E. Miller, ♂         | Alachua Co.: Gainesville       | 3423   | (McD --)     |
| 27 | <i>Ethelgoda texanana</i> (Walsingham), ♂       | Texas                          | 3424   | (McD 7240)   |
| 28 | <i>Grapholita molesta</i> (Busck), ♀            | Massachusetts                  | 3426   | (McD 7242)   |
| 29 | <i>Grapholita packardi</i> Zeller, ♂            | Louisiana                      | 3428   | (McD 7244)   |
| 30 | <i>Corticivora chica</i> R. E. Brown, ♂ PT      | Orange Co.: Orlando            | 3446.1 | (McD --)     |
| 31 | <i>Corticivora parva</i> R. E. Brown, ♂ PT      | Orange Co.: Orlando            | 3446.2 | (McD --)     |
| 32 | <i>Cydia palmetum</i> (Heinrich), ♀             | Monroe Co.: Big Pine Key       | 3462   | (McD 7274)   |
| 33 | <i>Cydia caryana</i> (Fitch), ♂                 | Alabama                        | 3471   | (McD 7280)   |
| 34 | <i>Cydia ingens</i> (Heinrich), ♂               | Volusia Co.: Cassadaga         | 3487   | (McD 7296)   |
| 35 | <i>Cydia anaranjada</i> W. E. Miller, ♂         | Dade Co.: Homestead            | 3488   | (McD 7296.1) |
| 36 | <i>Cydia largo</i> Heppner, ♀ PT                | Monroe Co.: Key Largo          | 3493.1 | (McD --)     |
| 37 | <i>Cydia pomonella</i> (L.), ♂                  | Missouri                       | 3492   | (McD 7301)   |

(all figures at 200%)



## PLATE 13. TORTRICIDAE

|    |  |                                   |        |              |
|----|--|-----------------------------------|--------|--------------|
| 1  | <i>Coelostathma discopunctana</i> Clemens, ♀       | Louisiana                         | 3747   | (McD 7307)   |
| 2  | <i>Niasoma metallicana</i> (Walsingham), ♂         | Alachua Co.: Gainesville          | 3694   | (McD 7364)   |
| 3  | <i>Sparganothis caryae</i> (Robinson), ♂           | Volusia Co.: Cassadaga            | 3700   | (McD 7348)   |
| 4  | <i>Sparganothis taracana</i> Kearfott, ♂           | Volusia Co.: Cassadaga            | 3702   | (McD 7352)   |
| 5  | <i>Sparganothis directana</i> (Walker), ♂          | Missouri                          | 3722   | (McD 7326)   |
| 6  | <i>Sparganothis directana</i> (Walker), ♀          | Escambia Co.: Pensacola           | 3722   | (McD 7326)   |
| 7  | <i>Platynota rostrana</i> (Walker), ♂              | Orange Co.: Ocoee                 | 3745   | (McD 7361)   |
| 8  | <i>Platynota rostrana</i> (Walker), ♀              | Alachua Co.: Gainesville          | 3745   | (McD 7361)   |
| 9  | <i>Platynota idaeusalis</i> (Walker), ♂            | Missouri                          | 3740   | (McD 7369)   |
| 10 | <i>Platynota exasperatana</i> (Zeller), ♀          | Arkansas                          | 3743   | (McD 7368)   |
| 11 | <i>Platynota flavedana</i> Clemens, ♂              | Virginia                          | 3732   | (McD 7357)   |
| 12 | <i>Platynota flavedana</i> Clemens, ♀              | Missouri                          | 3732   | (McD 7357)   |
| 13 | <i>Platynota calidana</i> (Zeller), ♂              | Monroe Co.: Windley Key           | 3739   | (McD --)     |
| 14 | <i>Sparganothis lentiginosana</i> (Walsingham), ♀  | Suwannee Co.: Suwannee River S.P. | 3731   | (McD 7376)   |
| 15 | <i>Sparganothis lamberti</i> Franclemont, ♀        | North Carolina                    | 3725.1 | (McD --)     |
| 16 | <i>Xenotemma pallorana</i> (Robinson), ♂           | Missouri                          | 3693   | (McD 7410)   |
| 17 | <i>Archips infumatana</i> (Zeller), ♂              | Missouri                          | 3659   | (McD 7379)   |
| 18 | <i>Archips infumatana</i> (Zeller), ♀              | Alachua Co.: Gainesville          | 3659   | (McD 7379)   |
| 19 | <i>Archips semifera</i> (Walker), ♂                | Arkansas                          | 3653   | (McD 7393)   |
| 20 | <i>Archips rileyana</i> (Grote), ♀                 | Missouri                          | 3662   | (McD 7384)   |
| 21 | <i>Archips georgiana</i> (Walker), ♂               | Volusia Co.: Cassadaga            | 3656   | (McD 7385)   |
| 22 | <i>Archips georgiana</i> (Walker), ♀               | Volusia Co.: Cassadaga            | 3656   | (McD 7385)   |
| 23 | <i>Choristoneura obsoletana</i> (Walker), ♀        | Alachua Co.: Gainesville          | 3631   | (McD 7381)   |
| 24 | <i>Choristoneura parallela</i> (Robinson), ♂       | Alachua Co.: Gainesville          | 3633   | (McD 7401)   |
| 25 | <i>Choristoneura parallela</i> (Robinson), ♀       | Alachua Co.: Gainesville          | 3633   | (McD 7401)   |
| 26 | <i>Choristoneura rosaceana</i> (Harris), ♀         | Missouri                          | 3635   | (McD 7405)   |
| 27 | <i>Choristoneura rosaceana</i> (Harris), ♂         | North Carolina                    | 3635   | (McD 7405)   |
| 28 | <i>Choristoneura pinus</i> T. N. Freeman, ♂        | Escambia Co.: Pensacola           | 3643   | (McD 7386.1) |
| 29 | <i>Choristoneura argentifasciata</i> Heppner, ♂ PT | Dade Co.: Homestead               | 3635.1 | (McD --)     |
| 30 | <i>Argyrotaenia floridana</i> Obratzsov, ♂         | Volusia Co.: Cassadaga            | 3599   | (McD 7443.1) |
| 31 | <i>Argyrotaenia kimballi</i> Obratzsov, ♂          | Louisiana                         | 3600   | (McD 7443.2) |
| 32 | <i>Argyrotaenia tabulana</i> T. N. Freeman, ♀      | Volusia Co.: Blue Springs S.P.    | 3603   | (McD 7450.1) |
| 33 | <i>Argyrotaenia juglandana</i> (Fernald), ♂        | Missouri                          | 3622   | (McD 7454)   |
| 34 | <i>Argyrotaenia amatana</i> (Dyar), ♂              | Monroe Co.: Key Largo             | 3606   | (McD 7446)   |
| 35 | <i>Argyrotaenia amatana</i> (Dyar), ♀              | Dade Co.: Elliott Key             | 3606   | (McD 7446)   |
| 36 | <i>Argyrotaenia amatana</i> (Dyar), ♀ (dark form)  | Monroe Co.: Long Key              | 3606   | (McD 7446)   |
| 37 | <i>Argyrotaenia ivana</i> (Fernald), ♀             | Alachua Co.: Gainesville          | 3627   | (McD 7419)   |
| 38 | <i>Apotoforma rotundipennis</i> (Walsingham), ♀    | Broward Co.: Ft. Lauderdale       | 3564   | (McD 7471.2) |
| 39 | <i>Argyrotaenia hodgesi</i> Heppner, ♂ PT          | Glades Co.: Palmdale              | 3598.1 | (McD --)     |
| 40 | <i>Adoxophyes negundana</i> (McD.), ♂              | Illinois                          | 3691   | (McD 7309)   |
| 41 | <i>Acleris maculidorsana</i> (Clemens), ♀          | Leon Co.: Tall Timbers Res. Sta.  | 3543   | (McD 7497)   |
| 42 | <i>Thaumatographa jonesi</i> (Brower), ♂           | Alabama                           | 3751   | (McD 8636.1) |

(all figures at 200%)





**PLATE 14. GEOMETRIDAE, EPIPLEMIDAE, LIMACODIDAE, MEGALOPYGIDAE,  
PYRALIDAE**

**GEOMETRIDAE**

|   |  |                         |      |            |
|---|--|-------------------------|------|------------|
| 1 | <i>Erastria cruentaria</i> (Hübner), ♂   | Louisiana               | 6705 | (McD 4643) |
| 2 | <i>Erastria cruentaria</i> (Hübner), ♂   | Louisiana               | 6705 | (McD 4643) |
| 3 | <i>Erastria cruentaria</i> (Hübner), ♀   | Louisiana               | 6705 | (McD 4643) |
| 4 | <i>Itame pustularia</i> (Guenée), ♂      | Duval Co.: Jacksonville | 6273 | (McD 4663) |
| 5 | <i>Mellilla xanthometata</i> (Walker), ♂ | Missouri                | 6322 | (McD 4657) |
| 6 | <i>Mellilla xanthometata</i> (Walker), ♀ | Missouri                | 6322 | (McD 4657) |

**EPIPLEMIDAE**

|   |  |                          |        |              |
|---|--|--------------------------|--------|--------------|
| 7 | <i>Philagraula slossoniae</i> Hulst, ♂ | Sarasota Co.: Siesta Key | 7654   | (McD 5222)   |
| 8 | <i>Dirades infans</i> Warren, ♂        | Monroe Co.: Key Largo    | 7656.1 | (McD 5226.1) |

**LIMACODIDAE**

|    |  |                           |      |            |
|----|--|---------------------------|------|------------|
| 9  | <i>Monoleuca subdentosa</i> Dyar, ♂      | Dade Co.: Miami           | 4693 | (McD 5238) |
| 10 | <i>Monoleuca subdentosa</i> Dyar, ♀      | Alachua Co.: Gainesville  | 4693 | (McD 5238) |
| 11 | <i>Monoleuca erectifascia</i> Dyar, ♀    | Volusia Co.: Cassadaga    | 4689 | (McD 5242) |
| 12 | <i>Isa textula</i> (H.-S.), ♂            | Putnam Co.: Red Water Lk. | 4681 | (McD 5250) |
| 13 | <i>Natada nasoni</i> Grote, ♂            | Escambia Co.: Pensacola   | 4679 | (McD 5252) |
| 14 | <i>Apoda biguttata</i> (Packard), ♂      | Okaloosa Co.: Shalimar    | 4669 | (McD 5262) |
| 15 | <i>Apoda biguttata</i> (Packard), ♀      | Okaloosa Co.: Shalimar    | 4669 | (McD 5262) |
| 16 | <i>Apoda y-inversum</i> (Packard), ♂     | Volusia Co.: Cassadaga    | 4667 | (McD 5264) |
| 17 | <i>Heterogenea shurtleffi</i> Packard, ♀ | Alachua Co.: Gainesville  | 4657 | (McD 5274) |
| 18 | <i>Slossonella tenebrosa</i> Dyar, ♀     | Okaloosa Co.: Ocean City  | 4655 | (McD 5276) |

**MEGALOPYGIDAE**

|    |                                  |                          |      |            |
|----|----------------------------------|--------------------------|------|------------|
| 19 | <i>Lagoa laceyi</i> B. & McD., ♂ | Alachua Co.: Gainesville | 4643 | (McD 5287) |
| 20 | <i>Lagoa laceyi</i> B. & McD., ♀ | Volusia Co.: Cassadaga   | 4643 | (McD 5287) |

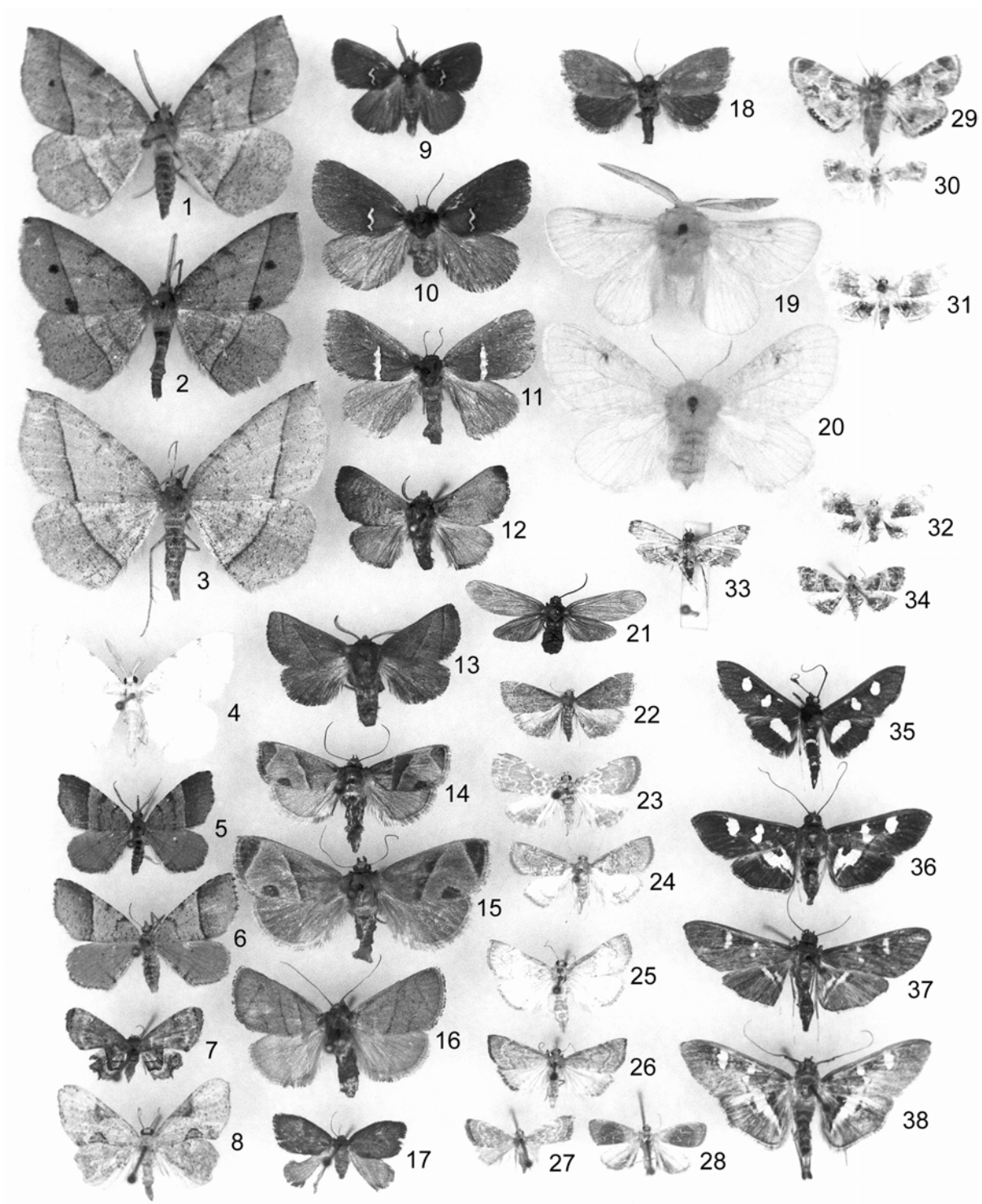
**ZYGAENIDAE**

|    |  |                          |        |          |
|----|--|--------------------------|--------|----------|
| 21 | <i>Neoprocris floridana</i> Tarmann, ♀ | Alachua Co.: Gainesville | 4618.1 | (McD --) |
|----|--|--------------------------|--------|----------|

**PYRALIDAE**

|    |  |                                    |      |              |
|----|--|------------------------------------|------|--------------|
| 22 | <i>Stegia eripalis</i> (Grote), ♀              | Liberty Co.: Torreya S.P.          | 4864 | (McD 5338)   |
| 23 | <i>Glaphyria glaphyralis</i> (Guenée), ♀       | Volusia Co.: Cassadaga             | 4869 | (McD 5325)   |
| 24 | <i>Glaphyria sesquialis</i> (Hübner), ♀        | Volusia Co.: Cassadaga             | 4870 | (McD 5326)   |
| 25 | <i>Glaphyria sesquialis</i> (Hübner), ♂        | Missouri                           | 4870 | (McD 5326)   |
| 26 | <i>Aethiophysa lentiflualis</i> (Zeller), ♂    | Alachua Co.: Gainesville           | 4877 | (McD 5327)   |
| 27 | <i>Xanthophysa psychialis</i> (Hulst), ♀       | Volusia Co.: Cassadaga             | 4879 | (McD 5328)   |
| 28 | <i>Glaphyria cappsi</i> Munroe, ♂              | Volusia Co.: Cassadaga             | 4874 | (McD --)     |
| 29 | <i>Chalcoela pegasalis</i> (Walker), ♀         | Volusia Co.: Cassadaga             | 4896 | (McD 5350)   |
| 30 | <i>Glaphyria basiflavalis</i> B. & McD., ♀     | Escambia Co.: Pensacola            | 4871 | (McD 5332)   |
| 31 | <i>Lipocosma sicalis</i> (Walker), ♂           | Arkansas                           | 4881 | (McD 5340)   |
| 32 | <i>Lipocosmodes fuliginosalis</i> (Fernald), ♀ | Volusia Co.: Cassadaga             | 4888 | (McD 5342)   |
| 33 | <i>Sufetula diminutalis</i> (Walker), ♀        | Collier Co.: Collier-Seminole S.P. | 5120 | (McD 5351)   |
| 34 | <i>Dicymolomia metalophota</i> (Hampson), ♀    | Volusia Co.: Cassadaga             | 4890 | (McD 5350.1) |
| 35 | <i>Desmia subdivisalis</i> Grote, ♂            | Missouri                           | 5161 | (McD 5355.1) |
| 36 | <i>Desmia ufeus</i> (Cramer), ♀                | Monroe Co.: Key Largo              | 5162 | (McD 5355.5) |
| 37 | <i>Desmia ploralis</i> (Guenée), ♀             | Monroe Co.: Key Largo              | 5167 | (McD 5355.4) |
| 38 | <i>Desmia tages</i> (Cramer), ♂                | Manatee Co.: Oneco                 | 5164 | (McD 5356)   |

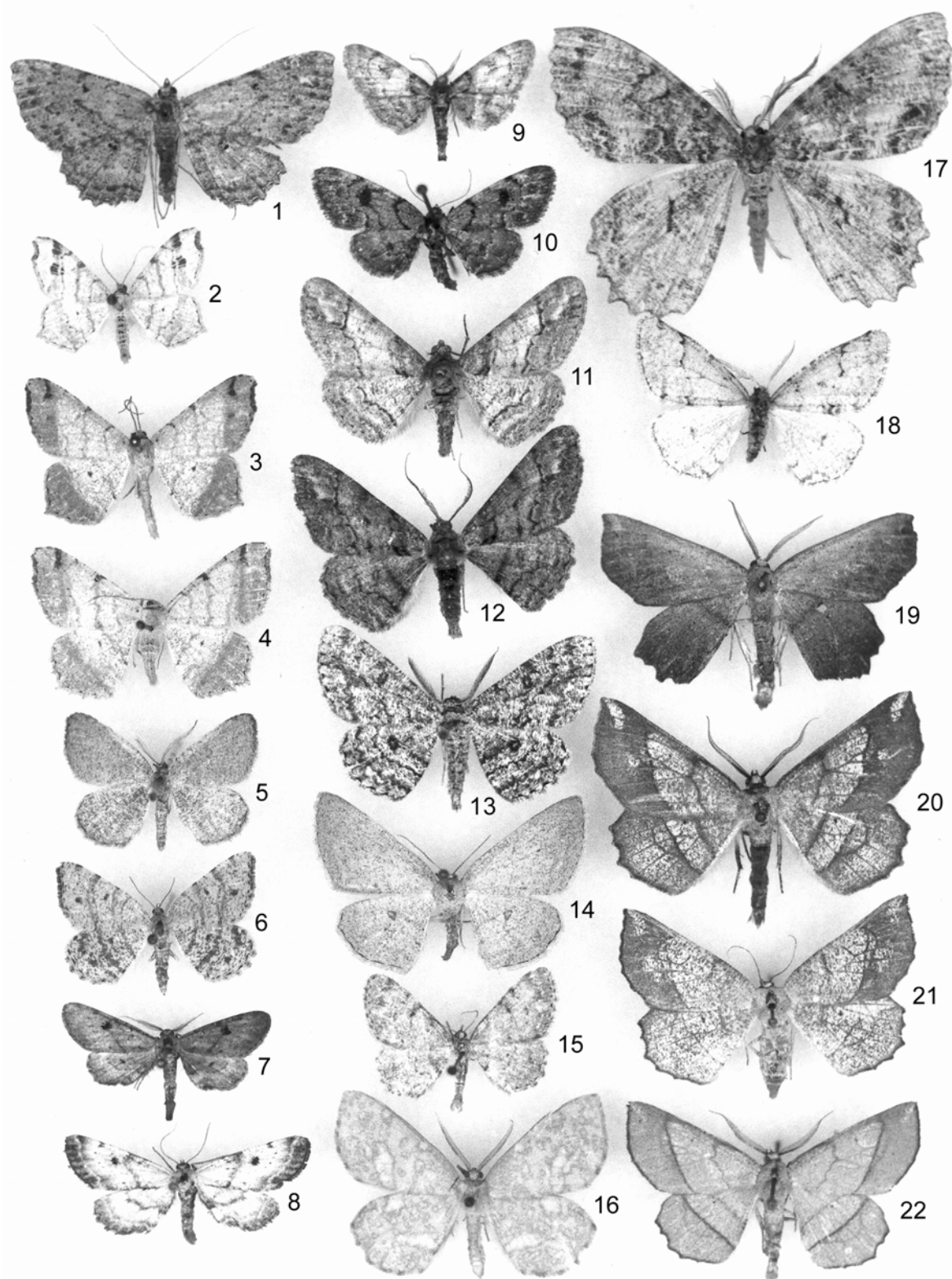
(all figures at 110%)



## PLATE 15. GEOMETRIDAE

|    |  |                            |      |              |
|----|--|----------------------------|------|--------------|
| 1  | <i>Almodes terraria</i> Guenée, ♀              | Monroe Co.: Key Largo      | 6260 | (McD 4028)   |
| 2  | <i>Macaria aemulataria</i> Walker, ♂           | Missouri                   | 6326 | (McD 4665)   |
| 3  | <i>Macaria bicolorata</i> (Fabricius), ♂       | Liberty Co.: Torreya S.P.  | 6341 | (McD 4673)   |
| 4  | <i>Macaria bicolorata</i> (Fabricius), ♀       | Alachua Co.: Gainesville   | 6341 | (McD 4673)   |
| 5  | <i>Itame inextricata</i> (Walker), ♂           | Okaloosa Co.: Ocean City   | 6285 | (McD 4656)   |
| 6  | <i>Itame inextricata</i> (Walker), ♀           | Okaloosa Co.: Ocean City   | 6285 | (McD 4656)   |
| 7  | <i>Tornos abjectarius</i> "kimballi" Rindge, ♂ | Dade Co.: Homestead        | 6487 | (McD 4812.1) |
| 8  | <i>Tornos abjectarius</i> "ravus" Rindge, ♀    | Volusia Co.: Cassadaga     | 6487 | (McD 4812.1) |
| 9  | <i>Tornos cinctarius</i> Hulst, ♂              | Okaloosa Co.: Shalimar     | 6485 | (McD 4816)   |
| 10 | <i>Tornos cinctarius</i> Hulst, ♀              | Volusia Co.: Cassadaga     | 6485 | (McD 4816)   |
| 11 | <i>Cleora projecta</i> (Walker), ♂             | Okaloosa Co.: Shalimar     | 6595 | (McD 4877)   |
| 12 | <i>Cleora projecta</i> (Walker), ♂             | Louisiana                  | 6595 | (McD 4877)   |
| 13 | <i>Hypomecis umbrosaria</i> (Hübner), ♂        | Okaloosa Co.: Ocean City   | 6439 | (McD 4880)   |
| 14 | <i>Hypomecis luridula</i> (Hulst), ♀           | Volusia Co.: Cassadaga     | 6437 | (McD 4881.1) |
| 15 | <i>Aethalura intertexta</i> (Walker), ♂        | Massachusetts              | 6570 | (McD 4945)   |
| 16 | <i>Xanthotype rufaria</i> Swett, ♂             | New York                   | 6742 | (McD 5009)   |
| 17 | <i>Epimecis subaustralis</i> (Hulst), ♂        | Volusia Co.: Daytona Beach | 6600 | (McD 4951.1) |
| 18 | <i>Phigalia strigataria</i> (Minot), ♂         | Hernando Co.: Nobleton     | 6660 | (McD 4956)   |
| 19 | <i>Euchlaena muzaria</i> (Walker), ♂           | Massachusetts              | 6725 | (McD 4995.1) |
| 20 | <i>Euchlaena madusaria</i> (Walker), ♂         | Okaloosa Co.: Shalimar     | 6731 | (McD 4999.1) |
| 21 | <i>Euchlaena madusaria</i> (Walker), ♀         | Okaloosa Co.: Shalimar     | 6731 | (McD 4999.1) |
| 22 | <i>Euchlaena madusaria</i> (Walker), ♂         | Volusia Co.: Cassadaga     | 6731 | (McD 4999.1) |

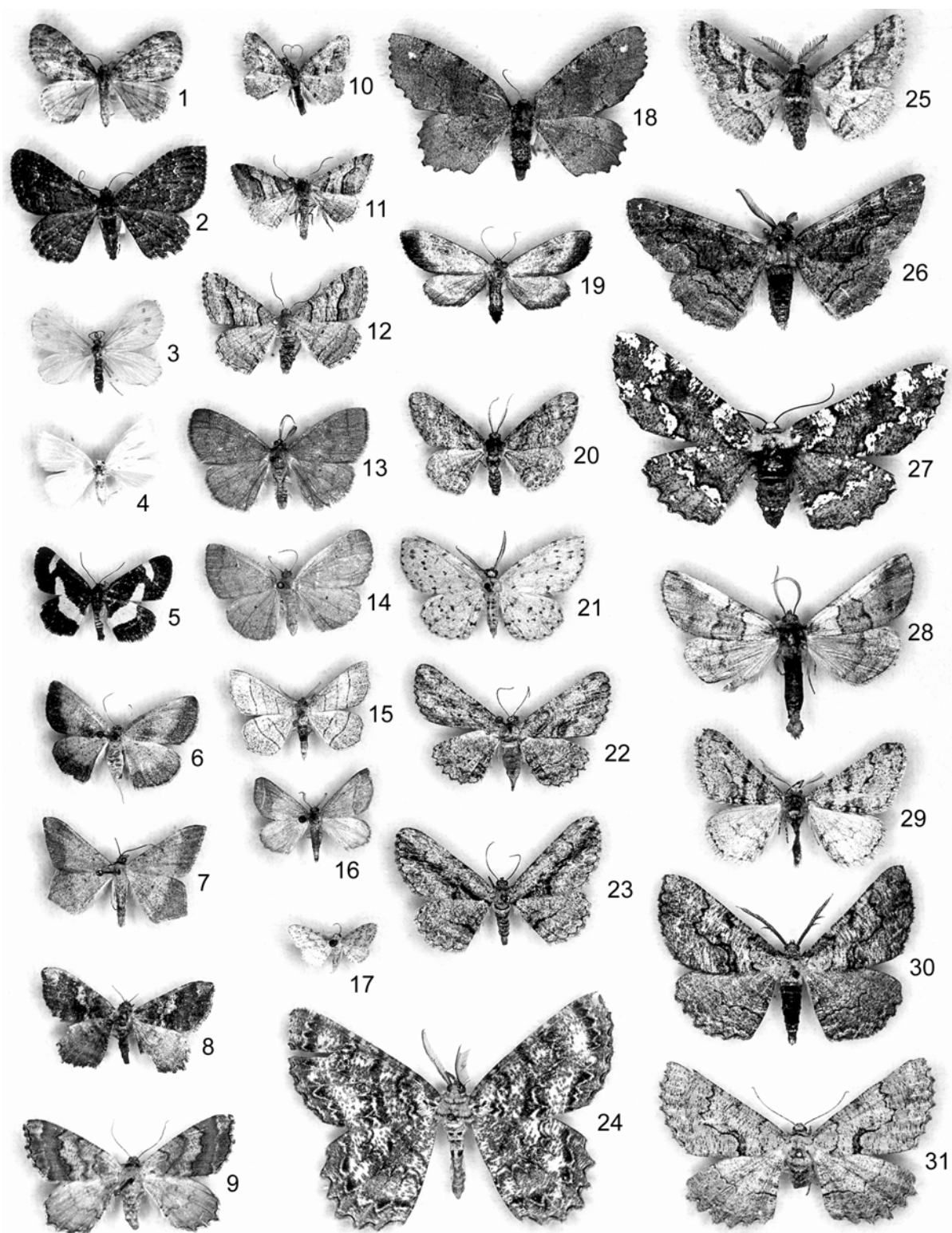
(all figures at 110%)



## PLATE 16. GEOMETRIDAE

|    |   |                            |      |              |
|----|---|----------------------------|------|--------------|
| 1  | <i>Hammaptera parinotata</i> (Zeller), ♀            | Sarasota Co.: Siesta Key   | 7314 | (McD 4566)   |
| 2  | <i>Disclisioprocta stellata</i> (Guenée), ♀         | Alachua Co.: Gainesville   | 7417 | (McD 4572)   |
| 3  | <i>Eubaphe meridiana</i> (Slosson), ♂               | Sarasota Co.: Siesta Key   | 7441 | (McD 4600)   |
| 4  | <i>Lomographa vestaliata</i> (Guenée), ♀            | Escambia Co.               | 6667 | (McD 4606)   |
| 5  | <i>Heliomata infulata</i> (Grote), ♂                | Volusia Co.: Cassadaga     | 6263 | (McD 4659)   |
| 6  | <i>Episemasia solitaria</i> (Walker), ♀             | Alachua Co.: Gainesville   | 6713 | (McD 4650)   |
| 7  | <i>Macaria punctolineata</i> Packard, ♂             | Sarasota Co.: Siesta Key   | 6332 | (McD 4679)   |
| 8  | <i>Macaria sanfordi</i> (Rindge), ♂                 | Volusia Co.: Cassadaga     | 6337 | (McD 4674.1) |
| 9  | <i>Macaria distributaria</i> Hübner, ♀              | Volusia Co.: Cassadaga     | 6336 | (McD 4674)   |
| 10 | <i>Macaria gnophosaria</i> (Guenée), ♂              | Dade Co.: Homestead        | 6405 | (McD 4738)   |
| 11 | <i>Macaria continuata</i> (Walker), ♂               | Alachua Co.: Gainesville   | 6362 | (McD 4710)   |
| 12 | <i>Macaria continuata</i> (Walker), ♂               | Escambia Co.               | 6362 | (McD 4710)   |
| 13 | <i>Thysanopyga intractata</i> (Walker), ♂           | Escambia Co.               | 6711 | (McD 4793)   |
| 14 | <i>Thysanopyga intractata</i> (Walker), ♀           | Volusia Co.: Cassadaga     | 6711 | (McD 4793)   |
| 15 | <i>Trigrammia quadrinotaria</i> Herrich-Schäffer, ♂ | Escambia Co.               | 6360 | (McD 4689)   |
| 16 | <i>Itame varadaria</i> (Walker), ♂                  | Sarasota Co.: Siesta Key   | 6314 | (McD 4781)   |
| 17 | <i>Pimaphera sparsaria</i> (Walker), ♂              | Monroe Co.: Tavernier      | 6442 | (McD 4950)   |
| 18 | <i>Hypagyrtis unipunctata</i> (Haworth), ♀          | Alachua Co.: Gainesville   | 6654 | (McD 4807.1) |
| 19 | <i>Tornos scolopacinarius "spodius"</i> Rindge, ♀   | Volusia Co.: Cassadaga     | 6486 | (McD 4812)   |
| 20 | <i>Cleora sublunaria</i> (Guenée), ♂                | Escambia Co.               | 6594 | (McD 4876)   |
| 21 | <i>Glena cribrataria</i> (Guenée), ♂                | Monroe Co.: Key Largo      | 6449 | (McD 4883)   |
| 22 | <i>Anavitrinella pampinaria</i> (Guenée), ♀         | Volusia Co.: Cassadaga     | 6590 | (McD 4908)   |
| 23 | <i>Anavitrinella pampinaria</i> (Guenée), ♂         | Volusia Co.: De Bary       | 6590 | (McD 4908)   |
| 24 | <i>Epimecis hortaria</i> (Fabricius), ♂             | Volusia Co.: Cassadaga     | 6599 | (McD 4951)   |
| 25 | <i>Lycia ypsilon carlotta</i> Hulst, ♂              | Charlotte Co.: Punta Gorda | 6652 | (McD 4952)   |
| 26 | <i>Nacophora quernaria</i> (J. E. Smith), ♂         | Charlotte Co.: Punta Gorda | 6763 | (McD 4953)   |
| 27 | <i>Nacophora quernaria</i> (J. E. Smith), ♀         | Alachua Co.: Gainesville   | 6763 | (McD 4953)   |
| 28 | <i>Ceratonyx satanaria</i> Guenée, ♂                | Escambia Co.               | 6780 | (McD 4954)   |
| 29 | <i>Phigalia titea</i> (Cramer), ♂                   | Volusia Co.: Cassadaga     | 6658 | (McD 4958)   |
| 30 | <i>Cymatophora approximaria</i> (Hübner), ♂         | Escambia Co.               | 6745 | (McD 4978)   |
| 31 | <i>Cymatophora approximaria</i> (Hübner), ♀         | Volusia Co.: Cassadaga     | 6745 | (McD 4978)   |

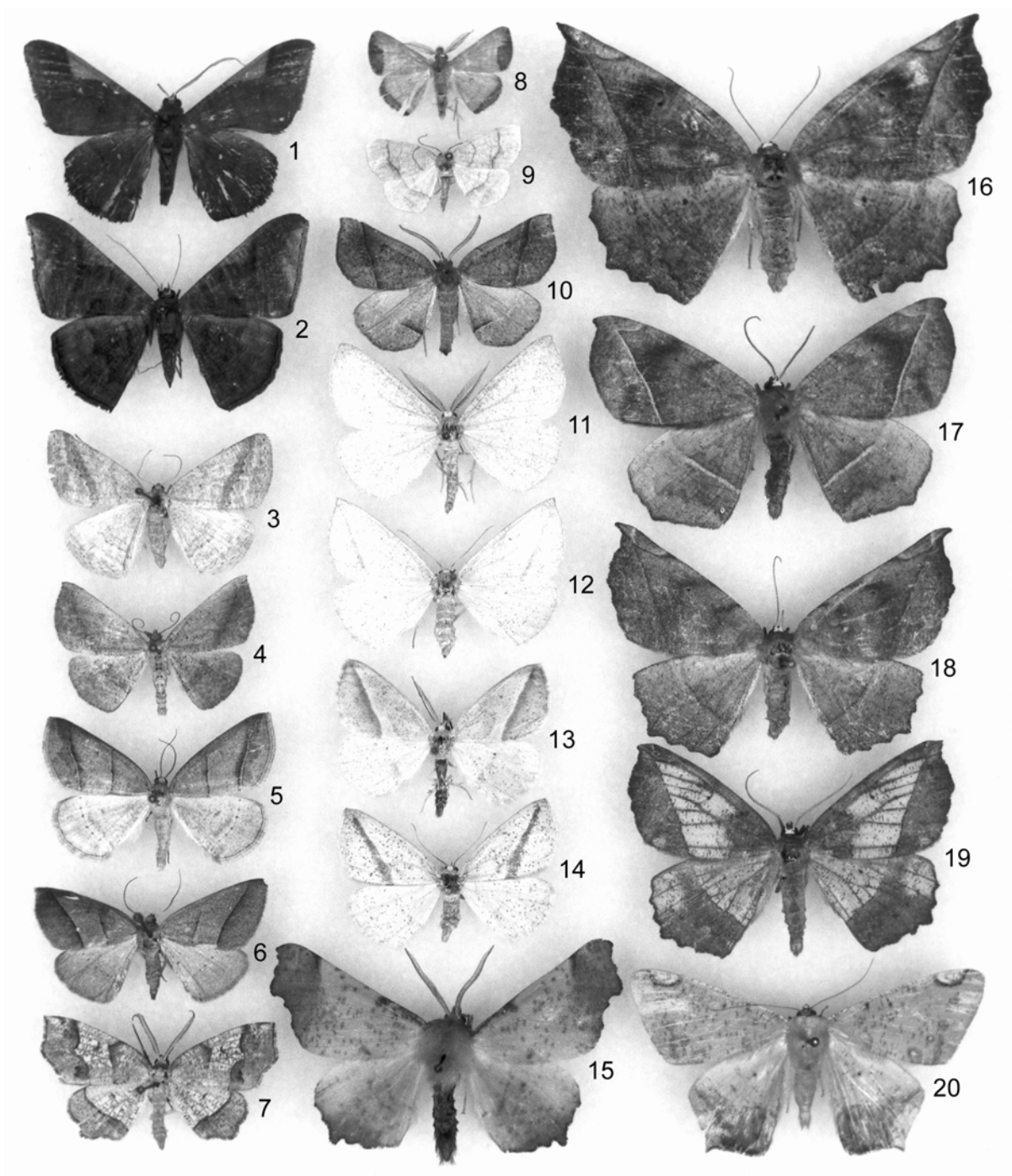
(Originally, Kimball (1965) Plate 22)



**PLATE 17. GEOMETRIDAE**

|    |   |                             |      |              |
|----|---|-----------------------------|------|--------------|
| 1  | <i>Sphacelodes vulneraria</i> (Hübner), ♂           | Panama                      | 6800 | (McD 5221)   |
| 2  | <i>Sphacelodes vulneraria</i> (Hübner), ♀           | Belize                      | 6800 | (McD 5221)   |
| 3  | <i>Tacparia detersata</i> (Guenée), ♀               | New York                    | 6807 | (McD 5023)   |
| 4  | <i>Tacparia zalissaria</i> (Walker), ♂              | Texas                       | 6805 | (McD 5024)   |
| 5  | <i>Petrophora subaequaria</i> (Walker), ♂           | Pennsylvania                | 6804 | (McD 5025)   |
| 6  | <i>Petrophora divisata</i> Hübner, ♀                | Volusia Co.: Cassadaga      | 6803 | (McD 5026)   |
| 7  | <i>Probole alienaria</i> H.-S., ♂                   | Liberty Co.: Torreya S.P.   | 6837 | (McD 5043)   |
| 8  | <i>Numia terebintharia</i> Guenée, ♂                | Lee Co.: Sanibel Is.        | 6699 | (McD 5043.3) |
| 9  | <i>Nematocampa baggettaria</i> Ferguson, ♂          | Hernando Co.: Brooksville   | 7010 | (McD 5151)   |
| 10 | <i>Stenaspilatodes antidiscaria</i> (Walker), ♂     | Volusia Co.: Cassadaga      | 6746 | (McD 5053)   |
| 11 | <i>Lychnosea intermicata</i> (Walker) light form, ♂ | Missouri                    | 6858 | (McD 5154)   |
| 12 | <i>Lychnosea intermicata</i> (Walker) light form, ♀ | Louisiana                   | 6858 | (McD 5154)   |
| 13 | <i>Lychnosea intermicata</i> (Walker) dark form, ♂  | Louisiana                   | 6858 | (McD 5154)   |
| 14 | <i>Lychnosea intermicata</i> (Walker) dark form, ♀  | Louisiana                   | 6858 | (McD 5154)   |
| 15 | <i>Ennomos magnaria</i> Guenée, ♂                   | Missouri                    | 6797 | (McD 5170)   |
| 16 | <i>Eutrapela clemataria</i> (J. E. Smith), ♀        | North Carolina              | 6966 | (McD 5199)   |
| 17 | <i>Eutrapela clemataria</i> (J. E. Smith), ♂        | Alachua Co.: Gainesville    | 6966 | (McD 5199)   |
| 18 | <i>Eutrapela clemataria</i> (J. E. Smith), ♀        | Orange Co.                  | 6966 | (McD 5199)   |
| 19 | <i>Eutrapela clemataria</i> (J. E. Smith), ♂        | Putnam Co.: Welaka          | 6966 | (McD 5199)   |
| 20 | <i>Nepheloleuca politia</i> (Cramer), ♂             | Broward Co.: Ft. Lauderdale | 6985 | (McD 5212)   |

(all figures at 110%)

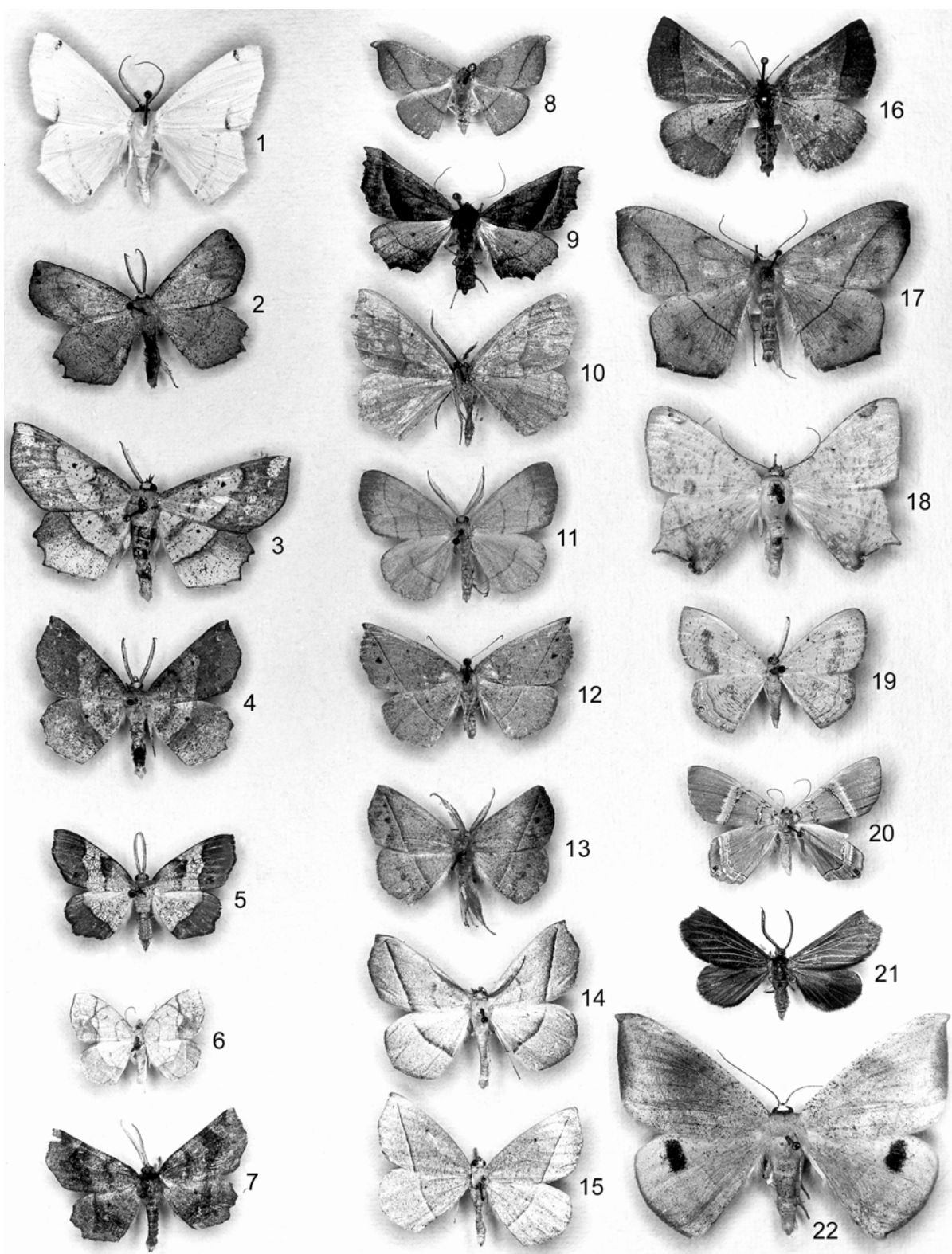




## PLATE 18. GEOMETRIDAE

|    |   |                                   |      |              |
|----|---|-----------------------------------|------|--------------|
| 1  | <i>Sericoptera virginaria</i> (Hulst), ♂            | Monroe Co.: Flamingo, ENP         | 6994 | (McD 4980)   |
| 2  | <i>Euchlaena obtusaria</i> (Hübner), ♂              | Manatee Co.: Oneco                | 6726 | (McD 4995)   |
| 3  | <i>Euchlaena amoenaria astylusaria</i> (Walker), ♂  | Gadsden Co.: Quincy               | 6733 | (McD 4999)   |
| 4  | <i>Euchlaena deplanaria</i> (Walker), ♂             | Volusia Co.: De Bary              | 6732 | (McD 5001.1) |
| 5  | <i>Probole amicaria</i> H.-S., ♂                    | Escambia Co.                      | 6838 | (McD 5043.1) |
| 6  | <i>Nematocampa resistaria</i> (Herrich-Schäffer), ♂ | Alachua Co.: Gainesville          | 7009 | (McD 5044)   |
| 7  | <i>Metarranthis homuraria</i> (G. & R.), ♂          | Escambia Co.                      | 6828 | (McD 5046.2) |
| 8  | <i>Patalene olyzonaria</i> (Walker), ♀              | Volusia Co.: Cassadaga            | 6974 | (McD 5186)   |
| 9  | <i>Pero zalissaria</i> (Walker), ♀                  | Volusia Co.: Cassadaga            | 6752 | (McD 5061)   |
| 10 | <i>Besma quercivoraria</i> (Guenée), ♂              | Jefferson Co.: Monticello         | 6885 | (McD 5145)   |
| 11 | <i>Lambdina pultaria</i> (Guenée), ♂                | Volusia Co.: Cassadaga            | 6889 | (McD 5150)   |
| 12 | <i>Eusarca fundaria</i> (Guenée), ♀                 | Alachua Co.: Gainesville          | 6933 | (McD 5180)   |
| 13 | <i>Eusarca fundaria</i> (Guenée), ♂                 | Dade Co.: Homestead               | 6933 | (McD 5180)   |
| 14 | <i>Eusarca confusaria</i> Hübner, ♂                 | Alachua Co.: Gainesville          | 6941 | (McD 5184)   |
| 15 | <i>Eusarca confusaria</i> Hübner, ♀                 | Hernando Co.: Weekiwachee Springs | 6941 | (McD 5184)   |
| 16 | <i>Metarranthis obfirmaria</i> (Hübner), ♂          | Volusia Co.: Cassadaga            | 6832 | (McD 5052)   |
| 17 | <i>Prochoerodes transversata incurvata</i> (Gn.), ♂ | Alachua Co.: Gainesville          | 6982 | (McD 5211)   |
| 18 | <i>Nepheloleuca floridata</i> (Grote), ♂            | Sarasota Co.: Siesta Key          | 6986 | (McD 5212.1) |
| 19 | <i>Palyas auriferaria</i> (Hulst), ♂                | Sarasota Co.: Siesta Key          | 6670 | (McD 5216)   |
| 20 | <i>Phrygionis argentata</i> (Drury), ♀              | Volusia Co.: Cassadaga            | 6671 | (McD 5217)   |
| 21 | <i>Melanchroia chephise</i> (Cramer), ♂             | Lee Co.: Ft. Myers                | 6616 | (McD 5219)   |
| 22 | <i>Oxydia vesulia transponens</i> (Walker), ♂       | Sarasota Co.: Siesta Key          | 6967 | (McD 5214)   |

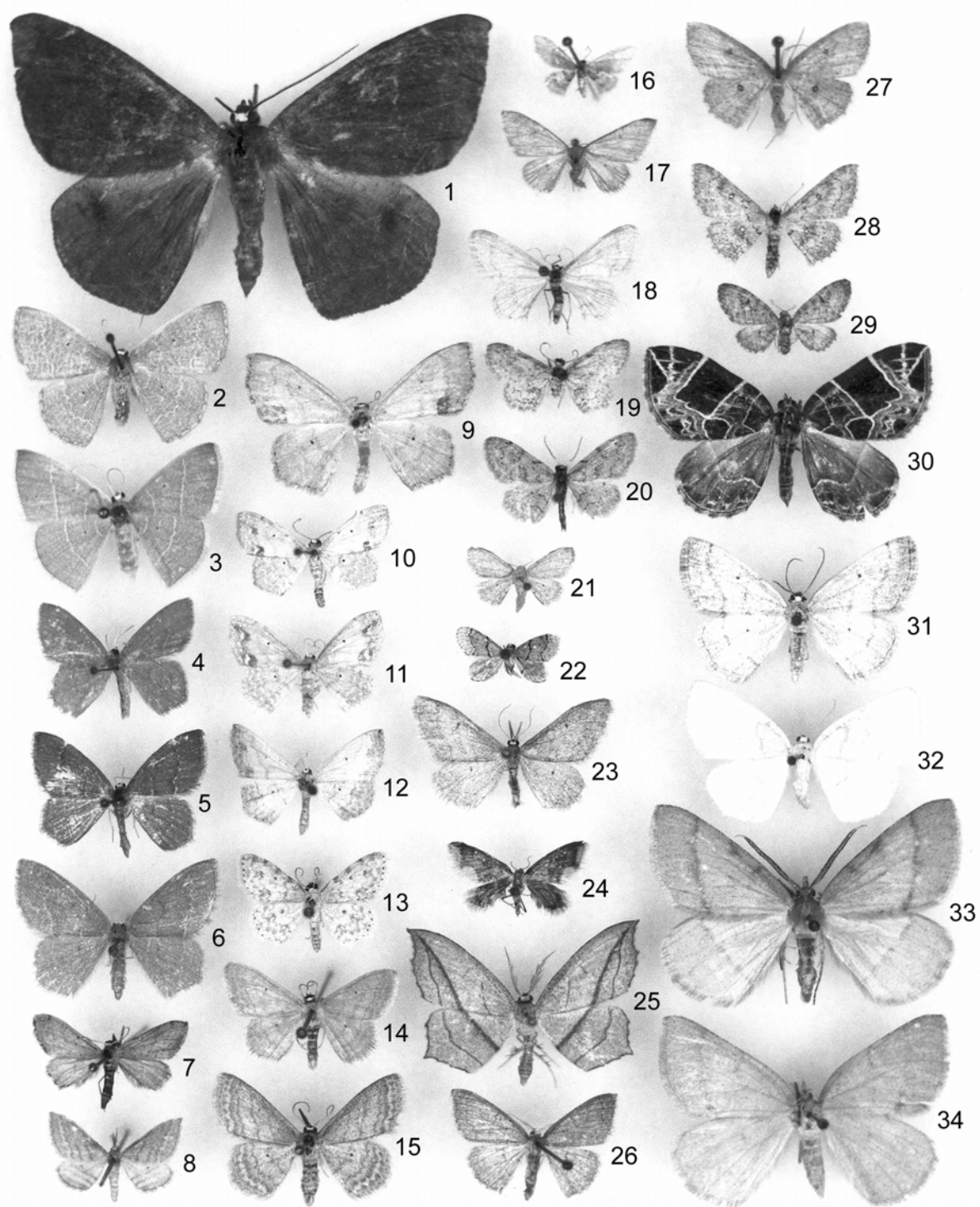
(Originally, Kimball (1965) Plate 23)



## PLATE 19. GEOMETRIDAE

|    |  |                                    |      |              |
|----|--|------------------------------------|------|--------------|
| 1  | <i>Oxydia cubana</i> (Warren), ♀                           | Collier Co.: Collier-Seminole S.P. | 6968 | (McD 5214.1) |
| 2  | <i>Nemoria catachloa</i> (Hulst), ♀                        | Volusia Co.: Cassadaga             | 7031 | (McD 4030)   |
| 3  | <i>Nemoria bifilata</i> (Walker), ♀                        | Okaloosa Co.: Shalimar             | 7045 | (McD 4032)   |
| 4  | <i>Hethemia pistasciaria</i> (Guenée), ♂                   | New Jersey                         | 7084 | (McD 4087)   |
| 5  | <i>Hethemia pistasciaria</i> (Guenée) red form, ♀          | Alachua Co.: Gainesville           | 7084 | (McD 4087)   |
| 6  | <i>Hethemia pistasciaria</i> (Guenée), ♀                   | Missouri                           | 7084 | (McD 4087)   |
| 7  | <i>Euacidalia sericearia</i> Packard, ♂                    | Missouri                           | 7087 | (McD 4109)   |
| 8  | <i>Lobocleta plemysaria</i> (Guenée), ♂                    | Dade Co.: Homestead                | 7097 | (McD 4118)   |
| 9  | <i>Scopula timandrata</i> (Walker), ♂                      | Alachua Co.: Gainesville           | 7160 | (McD 4159)   |
| 10 | <i>Scopula compensata</i> (Walker), ♂                      | Louisiana                          | 7152 | (McD 4161)   |
| 11 | <i>Scopula compensata</i> (Walker), ♀                      | Louisiana                          | 7152 | (McD 4161)   |
| 12 | <i>Scopula umbilicata</i> (Fabricius), ♀                   | Dade Co.: Homestead                | 7156 | (McD 4162)   |
| 13 | <i>Scopula plantagenaria</i> (Hulst), ♂                    | Texas                              | 7154 | (McD 4165)   |
| 14 | <i>Scopula inductata</i> (Guenée), ♂                       | Missouri                           | 7169 | (McD 4158)   |
| 15 | <i>Scopula inductata</i> (Guenée), ♀                       | Missouri                           | 7169 | (McD 4158)   |
| 16 | <i>Idaea scintillularia</i> (Hulst), ♀                     | Louisiana                          | 7105 | (McD 4179)   |
| 17 | <i>Idaea eremiata</i> (Hulst) [form <i>flavescens</i> ], ♂ | Volusia Co.: Cassadaga             | 7115 | (McD 4181)   |
| 18 | <i>Idaea eremiata</i> (Hulst), ♀                           | Missouri                           | 7115 | (McD 4181)   |
| 19 | <i>Idaea violacearia</i> (Walker), ♂                       | Sarasota Co.: Siesta Key           | 7120 | (McD 4186)   |
| 20 | <i>Idaea violacearia</i> (Walker), ♂                       | Volusia Co.: Cassadaga             | 7120 | (McD 4186)   |
| 21 | <i>Idaea micropterata</i> (Hulst), ♂                       | Volusia Co.: Cassadaga             | 7119 | (McD 4187)   |
| 22 | <i>Idaea insulensis</i> (Rindge), ♂                        | Monroe Co.: Tavernier              | 7106 | (McD 4196.1) |
| 23 | <i>Idaea productata</i> (Packard), ♂                       | Texas                              | 7112 | (McD 4198)   |
| 24 | <i>Lophosis labeculata</i> (Hulst), ♂                      | Volusia Co.: Cassadaga             | 7181 | (McD 4202)   |
| 25 | <i>Calothysanis amaturaria</i> (Walker), ♂                 | Louisiana                          | 7147 | (McD 4205)   |
| 26 | <i>Pleuroprucha asthenaria</i> (Walker), ♂                 | Sarasota Co.: Siesta Key           | 7133 | (McD 4206.1) |
| 27 | <i>Cyclophora myrtaria</i> (Guenée), ♂                     | Alachua Co.: Gainesville           | 7137 | (McD 4209)   |
| 28 | <i>Cyclophora nanaria</i> (Walker), ♀                      | Okaloosa Co.: Shalimar             | 7140 | (McD 4212)   |
| 29 | <i>Eupithecia jejuna</i> McD., ♀                           | Volusia Co.: Cassadaga             | 7486 | (McD 4275.1) |
| 30 | <i>Ecliptopera atricolorata</i> (G. & R.), ♂               | Georgia                            | 7214 | (McD 4409)   |
| 31 | <i>Lomographa glomeraria</i> (Grote), ♂                    | Missouri                           | 6668 | (McD 4608)   |
| 32 | <i>Cabera variolaria</i> Guenée, ♂                         | North Carolina                     | 6678 | (McD 4612)   |
| 33 | <i>Erastria coloraria</i> (Fabricius), ♂                   | Kansas                             | 6704 | (McD 4642)   |
| 34 | <i>Erastria coloraria</i> (Fabricius), ♀                   | Putnam Co., Ocala N.F.             | 6704 | (McD 4642)   |

(all figures at 110%)



**PLATE 20. GEOMETRIDAE, PYRALIDAE, LACTURIDAE****GEOMETRIDAE**

|   |   |                           |      |              |
|---|---|---------------------------|------|--------------|
| 1 | <i>Pterocypha floridata</i> (Walker), ♀   | Monroe Co.: Tavernier     | 7299 | (McD 4571)   |
| 2 | <i>Pterocypha floridata</i> (Walker), ♀   | Dade Co.                  | 7299 | (McD 4571)   |
| 3 | <i>Archirhoe neomexicana</i> (Hulst), ♂   | Texas                     | 7295 | (McD 4567)   |
| 4 | <i>Hypagyrtis esther</i> (Barnes), ♀      | Escambia Co.              | 6655 | (McD 4808)   |
| 5 | <i>Hypomecis buchholzaria</i> (Lemmer), ♂ | New Jersey                | 6438 | (McD 4881)   |
| 6 | <i>Pero ancetaria</i> (Hübner), ♂         | Jefferson Co.: Monticello | 6754 | (McD 5082.1) |

**PYRALIDAE**

|   |  |                            |      |              |
|---|--|----------------------------|------|--------------|
| 7 | <i>Omiodes simialis</i> Guenée, ♂        | Sarasota Co.: Siesta Key   | 5211 | (McD 5381.1) |
| 8 | <i>Microthyris anormalis</i> (Guenée), ♂ | Monroe Co.: Plantation Key | 5263 | (McD 5396)   |
| 9 | <i>Lypotigris reginalis</i> (Stoll), ♀   | Dade Co.: Coral Gables     | 5252 | (McD 5397.1) |

**GEOMETRIDAE**

|    |  |                              |      |            |
|----|--|------------------------------|------|------------|
| 10 | <i>Anacamptodes defectaria</i> (Guenée), ♂     | Dade Co.: Florida City       | 6586 | (McD 4915) |
| 11 | <i>Anacamptodes ephyria</i> (Walker), ♂        | New Jersey                   | 6583 | (McD 4916) |
| 12 | <i>Anacamptodes pergracilis</i> (Hulst), ♀     | Lee Co.: Ft. Myers           | 6580 | (McD 4921) |
| 13 | <i>Anacamptodes cypressaria</i> (Grossbeck), ♂ | St. Johns Co.: Hastings      | 6571 | (McD 4920) |
| 14 | <i>Glena plumosaria</i> (Packard), ♂           | New Jersey                   | 6452 | (McD 4919) |
| 15 | <i>Anacamptodes humaria</i> (Guenée), ♂        | Pinellas Co.: St. Petersburg | 6584 | (McD 4917) |
| 16 | <i>Anacamptodes vellivolata</i> (Hulst), ♂     | Dade Co.: S. Miami           | 6582 | (McD 4918) |

**PYRALIDAE**

|    |  |                        |      |              |
|----|--|------------------------|------|--------------|
| 17 | <i>Epicorsia oedipodalis</i> (Guenée), ♀ | Dade Co.: Coral Gables | 4938 | (McD 5567.1) |
| 18 | <i>Omphalocera munroei</i> Martin, ♂     | Collier Co.: Marco     | 5627 | (McD 5777)   |
| 19 | <i>Omphalocera cariosa</i> Lederer, ♂    | Texas                  | 5625 | (McD 5778)   |

**GEOMETRIDAE**

|    |   |                          |      |              |
|----|---|--------------------------|------|--------------|
| 20 | <i>Epimecis fraternaria</i> (Guenée), ♂ | Dade Co.: Coral Gables   | 6603 | (McD 4951.4) |
| 21 | <i>Epimecis matronaria</i> (Guenée), ♂  | Dade Co.: Homestead      | 6601 | (McD 4951.2) |
| 22 | <i>Epimecis detexta</i> (Walker), ♂     | Dade Co.: Homestead      | 6604 | (McD 4951.5) |
| 23 | <i>Nepytia semiclusaria</i> (Walker), ♂ | Alachua Co.: Gainesville | 6908 | (McD 5111)   |

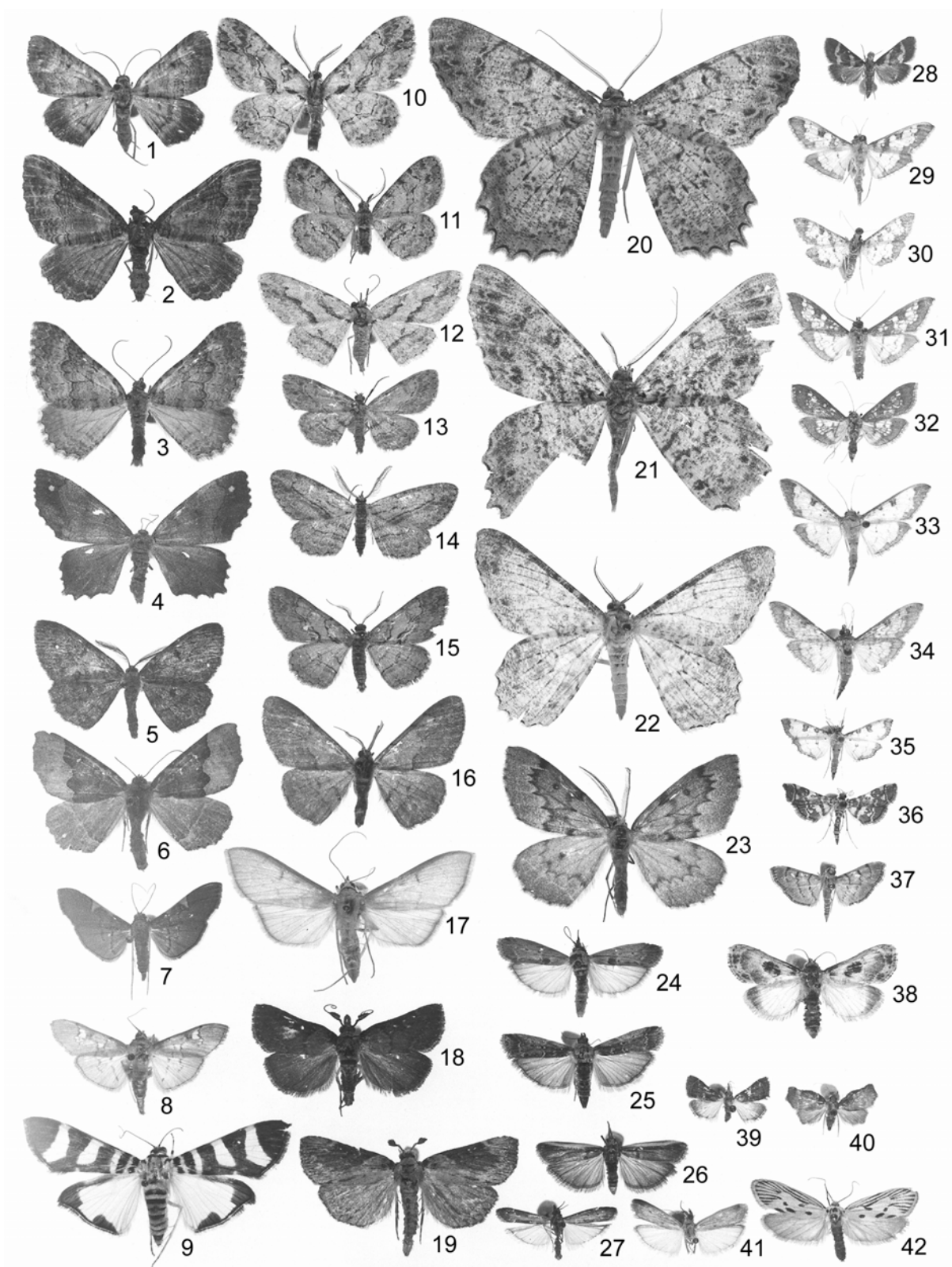
**PYRALIDAE**

|    |  |                              |      |              |
|----|--|------------------------------|------|--------------|
| 24 | <i>Caristanius decoloralis</i> (Walker), ♂       | Volusia Co.                  | 5742 | (McD 6228)   |
| 25 | <i>Adelphia petrella</i> (Zeller), ♀             | Escambia Co.                 | 5890 | (McD 6229)   |
| 26 | <i>Etiella zinckenella</i> (Treitschke), ♀       | Alachua Co.: Gainesville     | 5744 | (McD 6274)   |
| 27 | <i>Elasmopalpus lignosellus</i> (Zeller), ♂      | Sarasota Co.: Siesta Key     | 5896 | (McD 6231)   |
| 28 | <i>Pyrausta tyralis</i> (Guenée), ♂              | Escambia Co.                 | 5069 | (McD 5629)   |
| 29 | <i>Diacme elealis</i> (Walker), ♂                | Sarasota Co.: Siesta Key     | 5142 | (McD 5427)   |
| 30 | <i>Diacme adipaloides</i> (G. & R.), ♀           | Massachusetts                | 5143 | (McD 5427.1) |
| 31 | <i>Diacme phyllisalis</i> (Walker), ♂            | Sarasota Co.: Siesta Key     | 5144 | (McD 5427.2) |
| 32 | <i>Diacme phyllisalis</i> (Walker) [ab.], ♀      | Sarasota Co.: Siesta Key     | 5144 | (McD 5427.2) |
| 33 | <i>Diacme mopsalis</i> (Walker), ♀               | Dade Co.: Homestead          | 5145 | (McD 5429)   |
| 34 | <i>Diacme mopsalis</i> (Walker), ♂               | Sarasota Co.: Siesta Key     | 5145 | (McD 5429)   |
| 35 | <i>Ategumia ebulealis</i> (Guenée), ♂            | Escambia Co.                 | 5158 | (McD 5387)   |
| 36 | <i>Apogeshna stenialis</i> (Guenée), ♂           | Escambia Co.                 | 5177 | (McD 5393)   |
| 37 | <i>Omiodes indicata</i> (Fabricius), ♀           | Dade Co.: Homestead          | 5212 | (McD 5385)   |
| 38 | <i>Thyridopyralis gallaerandialis</i> Dyar, ♀ HT | Palm Beach Co.: Palm Beach   | 5628 | (McD 5324)   |
| 39 | <i>Streptopalpia minusculalis</i> (Möschler), ♂  | Sarasota Co.: Siesta Key     | 5565 | (McD 5787.1) |
| 40 | <i>Ufa rubedinella</i> (Zeller), ♂               | Hillsborough Co.: Egmont Key | 5895 | (McD --)     |
| 41 | <i>Salobrena vacuana</i> (Walker), ♀             | Sarasota Co.: Siesta Key     | 5561 | (McD 5787.2) |

**LACTURIDAE**

|    |                                   |                          |      |            |
|----|-----------------------------------|--------------------------|------|------------|
| 42 | <i>Lactura pupula</i> (Hübner), ♀ | Sarasota Co.: Siesta Key | 2405 | (McD 8940) |
|----|-----------------------------------|--------------------------|------|------------|

(Originally, Kimball (1965) color Plate 6)



**PLATE 21. HESPERIIDAE, LYCAENIDAE****HESPERIIDAE**

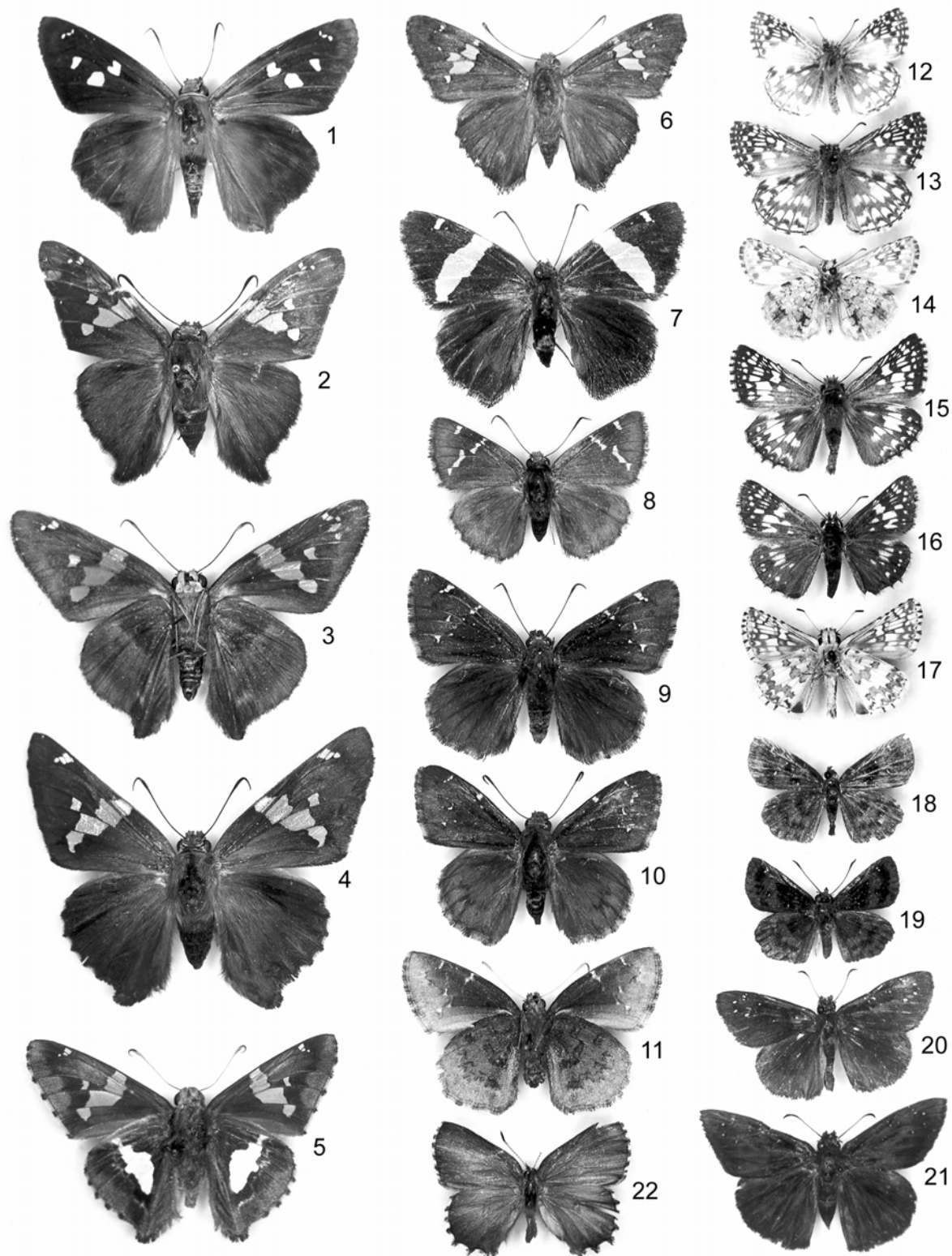
|    |   |      |           |
|----|---|------|-----------|
| 1  | <i>Polygonus leo savigny</i> (Latreille), ♂               | 3872 | (McD 481) |
| 2  | <i>Epargyreus zestos</i> (Geyer), ♀                       | 3869 | (McD 483) |
| 3  | <i>Epargyreus zestos</i> (Geyer), ♀ (V)                   | 3869 | (McD 483) |
| 4  | <i>Epargyreus clarus</i> (Cramer), ♀                      | 3870 | (McD 484) |
| 5  | <i>Epargyreus clarus</i> (Cramer), ♂ (V)                  | 3870 | (McD 484) |
| 6  | <i>Achalarus lyciades</i> (Geyer), ♀                      | 3904 | (McD 496) |
| 7  | <i>Autochton cellus</i> (B. & L.), ♀                      | 3902 | (McD 500) |
| 8  | <i>Thorybes bathyllus</i> (J. E. Smith), ♀                | 3909 | (McD 503) |
| 9  | <i>Thorybes pylades</i> (Scudder), ♀                      | 3910 | (McD 505) |
| 10 | <i>Thorybes confusus</i> Bell, ♀                          | 3913 | (McD 504) |
| 11 | <i>Thorybes confusus</i> Bell, ♀ (V)                      | 3913 | (McD 504) |
| 12 | <i>Pyrgus oileus</i> (L.), ♂                              | 3968 | (McD 519) |
| 13 | <i>Pyrgus oileus</i> (L.), ♀                              | 3968 | (McD 519) |
| 14 | <i>Pyrgus oileus</i> (L.), ♂ (V)                          | 3968 | (McD 519) |
| 15 | <i>Pyrgus communis</i> (Grote), ♂                         | 3966 | (McD 521) |
| 16 | <i>Pyrgus communis</i> (Grote), ♀                         | 3966 | (McD 521) |
| 17 | <i>Pyrgus communis</i> (Grote), ♂ (V)                     | 3966 | (McD 521) |
| 18 | <i>Staphylus hayhurstii</i> (W. H. Edwards), ♂            | 3932 | (McD 534) |
| 19 | <i>Staphylus hayhurstii</i> (W. H. Edwards), ♀            | 3932 | (McD 534) |
| 20 | <i>Ephyriades brunneus floridensis</i> Bell & Comstock, ♀ | 3944 | (McD 539) |
| 21 | <i>Ephyriades brunneus floridensis</i> Bell & Comstock, ♂ | 3944 | (McD 539) |

**LYCAENIDAE**

|    |  |      |           |
|----|--|------|-----------|
| 22 | <i>Callophrys (Incisalia) niphon</i> (Hübner), ♀ | 4328 | (McD 413) |
|----|--|------|-----------|

(all figures at 110%; an unpublished Kimball (1965) plate)



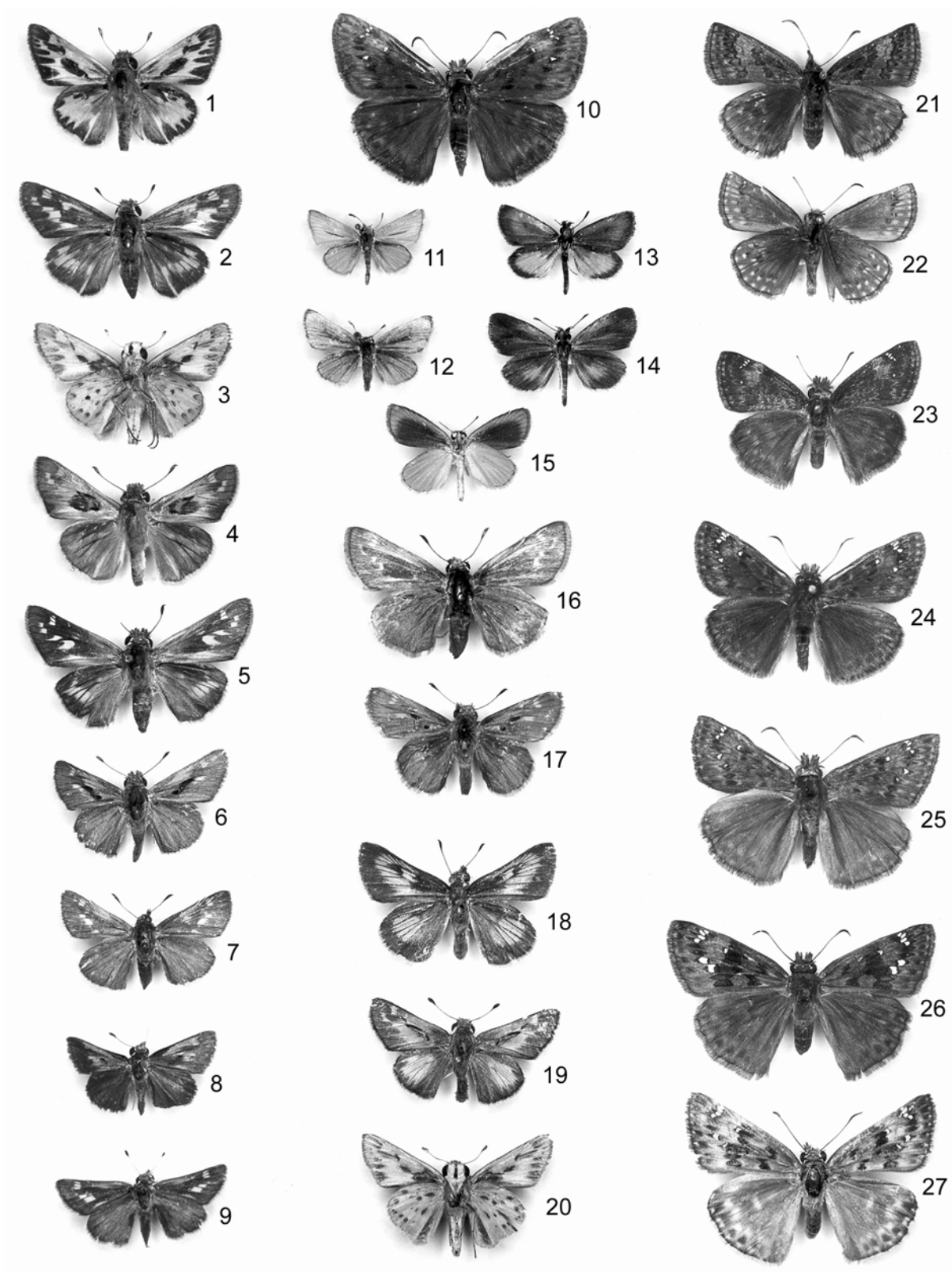




**PLATE 22. HESPERIIDAE**

|    |   |      |             |
|----|---|------|-------------|
| 1  | <i>Hylephila phyleus</i> (Drury), ♂                   | 4013 | (McD 601)   |
| 2  | <i>Hylephila phyleus</i> (Drury), ♀                   | 4013 | (McD 601)   |
| 3  | <i>Hylephila phyleus</i> (Drury), ♂ (V)               | 4013 | (McD 601)   |
| 4  | <i>Atalopedes campestris huron</i> (W. H. Edwards), ♂ | 4049 | (McD 602)   |
| 5  | <i>Atalopedes campestris huron</i> (W. H. Edwards), ♀ | 4049 | (McD 602)   |
| 6  | <i>Polites themistocles</i> (Latreille), ♂            | 4041 | (McD 611)   |
| 7  | <i>Polites themistocles</i> (Latreille), ♀            | 4041 | (McD 611)   |
| 8  | <i>Polites baracoa</i> (Lucas), ♂                     | 4040 | (McD 612)   |
| 9  | <i>Polites baracoa</i> (Lucas), ♀                     | 4040 | (McD 612)   |
| 10 | <i>Erynnis horatius</i> (Scudder & Burgess), ♂        | 3952 | (McD 555)   |
| 11 | <i>Copaeodes minima</i> (W. H. Edwards), ♂            | 4010 | (McD 574)   |
| 12 | <i>Copaeodes minima</i> (W. H. Edwards), ♀            | 4010 | (McD 574)   |
| 13 | <i>Ancyloxypha numitor</i> (Fabricius), ♂             | 4004 | (McD 567)   |
| 14 | <i>Ancyloxypha numitor</i> (Fabricius), ♀             | 4004 | (McD 567)   |
| 15 | <i>Ancyloxypha numitor</i> (Fabricius), ♀ (V)         | 4004 | (McD 567)   |
| 16 | <i>Hesperia metea</i> Scudder, ♀ [not in FL]          | 4027 | (McD 581)   |
| 17 | <i>Wallengrenia egeremet</i> (Scudder), ♂             | 4047 | (McD 621)   |
| 18 | <i>Anatrytone logan</i> (W. H. Edwards), ♀            | 4051 | (McD 635)   |
| 19 | <i>Hesperia sassacus</i> (Harris), ♂ [not in FL]      | 4033 | (McD 598)   |
| 20 | <i>Hylephila phyleus</i> (Drury), ♂ (V)               | 4013 | (McD 601)   |
| 21 | <i>Erynnis brizo somnus</i> (Lintner), ♀              | 3946 | (McD 542)   |
| 22 | <i>Erynnis brizo somnus</i> (Lintner), ♂ (V)          | 3946 | (McD 542)   |
| 23 | <i>Erynnis baptisiae</i> (Forbes), ♂                  | 3959 | (McD 547.1) |
| 24 | <i>Erynnis zarucco</i> (Lucas), ♂                     | 3956 | (McD 555)   |
| 25 | <i>Erynnis juvenalis</i> (Fabricius), ♂               | 3947 | (McD 551)   |
| 26 | <i>Erynnis horatius</i> (Scudder & Burgess), ♀        | 3952 | (McD 554)   |
| 27 | <i>Erynnis horatius</i> (Scudder & Burgess), ♀ var.   | 3952 | (McD 554)   |

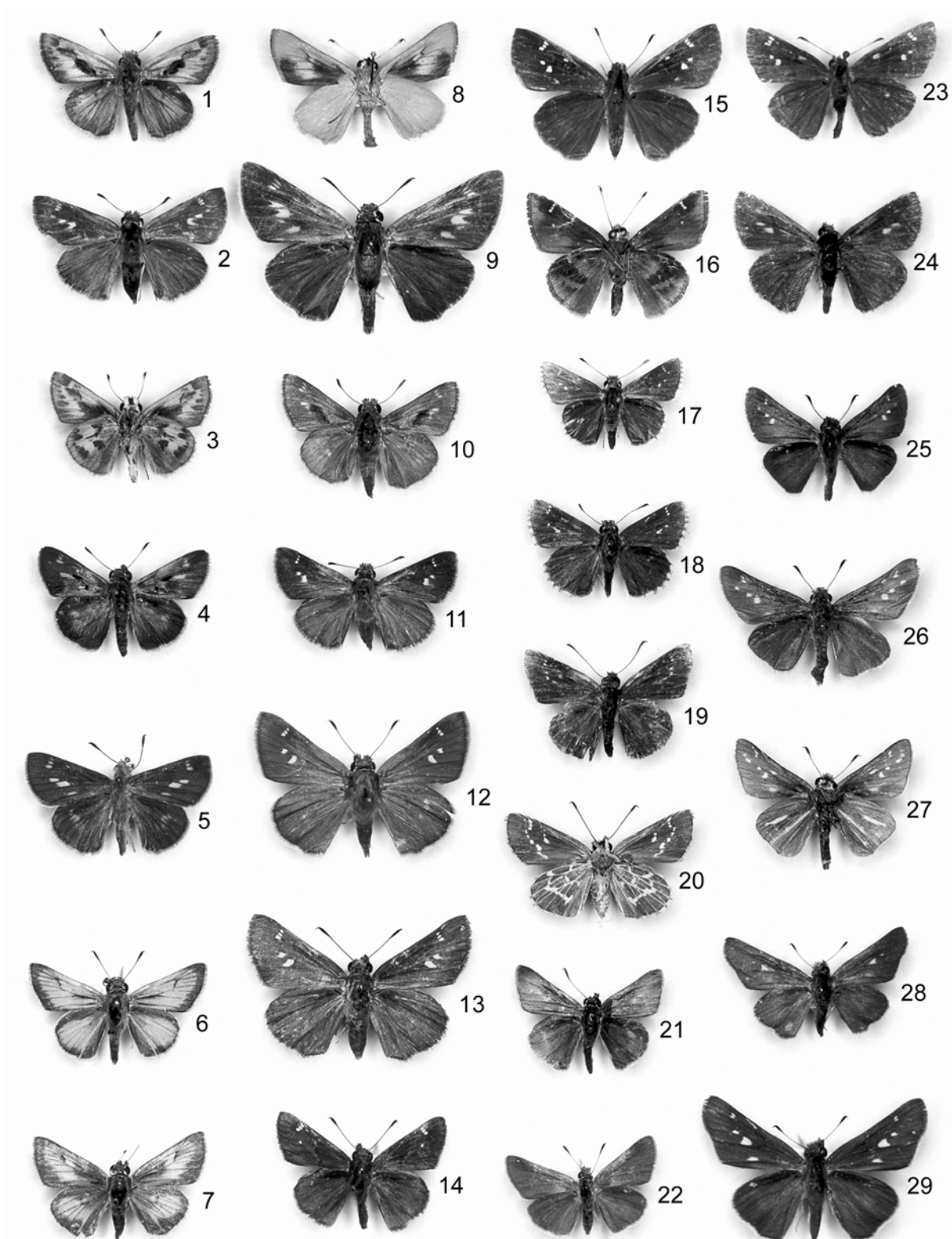
(an unpublished Kimball (1965) plate)



**PLATE 23. HESPERIIDAE**

|    |  |      |           |
|----|--|------|-----------|
| 1  | <i>Polites vibex</i> (Geyer), ♂                    | 4045 | (McD 620) |
| 2  | <i>Polites vibex</i> (Geyer), ♀                    | 4045 | (McD 620) |
| 3  | <i>Polites vibex</i> (Geyer), ♀ (V)                | 4045 | (McD 620) |
| 4  | <i>Wallengrenia otho</i> (J. E. Smith), ♂          | 4046 | (McD 621) |
| 5  | <i>Wallengrenia otho</i> (J. E. Smith), ♀          | 4046 | (McD 621) |
| 6  | <i>Anatrytone logan</i> (W. H. Edwards), ♂         | 4051 | (McD 635) |
| 7  | <i>Anatrytone logan</i> (W. H. Edwards), ♀         | 4051 | (McD 635) |
| 8  | <i>Anatrytone logan</i> (W. H. Edwards), ♂ (V)     | 4051 | (McD 635) |
| 9  | <i>Euphyes arpa</i> (Boisduval & Leconte), ♀       | 4070 | (McD 636) |
| 10 | <i>Polites origenes</i> (Fabricius), ♂             | 4042 | (McD 610) |
| 11 | <i>Polites origenes</i> (Fabricius), ♀             | 4042 | (McD 610) |
| 12 | <i>Oligoria maculata</i> (W. H. Edwards), ♂        | 4114 | (McD 652) |
| 13 | <i>Oligoria maculata</i> (W. H. Edwards), ♀        | 4114 | (McD 652) |
| 14 | <i>Lerema accius</i> (J. E. Smith), ♂              | 3998 | (McD 653) |
| 15 | <i>Lerema accius</i> (J. E. Smith), ♀              | 3998 | (McD 653) |
| 16 | <i>Lerema accius</i> (J. E. Smith), ♂ (V)          | 3998 | (McD 653) |
| 17 | <i>Amblyscirtes alternata</i> (G. & R.), ♂         | 4108 | (McD 663) |
| 18 | <i>Amblyscirtes alternata</i> (G. & R.), ♀         | 4108 | (McD 663) |
| 19 | <i>Amblyscirtes aesculapius</i> (Fabricius), ♂     | 4099 | (McD 666) |
| 20 | <i>Amblyscirtes aesculapius</i> (Fabricius), ♀ (V) | 4099 | (McD 666) |
| 21 | <i>Nastra neamathla</i> (Skinner & Williams), ♂    | 3995 | (McD 672) |
| 22 | <i>Nastra lherminier</i> (Latreille), ♀            | 3993 | (McD 671) |
| 23 | <i>Lerema accius</i> (J. E. Smith), ♀              | 3998 | (McD 653) |
| 24 | <i>Wallengrenia egeremet</i> (Scudder), ♀          | 4047 | (McD 621) |
| 25 | <i>Lerodea eufala</i> (W. H. Edwards), ♂           | 4111 | (McD 674) |
| 26 | <i>Panoquina panoquin</i> (Scudder), ♀             | 4116 | (McD 680) |
| 27 | <i>Panoquina panoquin</i> (Scudder), ♂ (V)         | 4116 | (McD 680) |
| 28 | <i>Panoquina panoquinodes</i> (Skinner), ♀         | 4117 | (McD 681) |
| 29 | <i>Panoquina ocola</i> (W. H. Edwards), ♀          | 4119 | (McD 683) |

(an unpublished Kimball (1965) plate)



**PLATE 24. PAPILIONIDAE, NYMPHALIDAE**

## PAPILIONIDAE

|   |  |      |          |
|---|--|------|----------|
| 1 | <i>Battus philenor</i> (Linnaeus), ♂ (V)                     | 4157 | (McD 1)  |
| 2 | <i>Battus polydamas lucayas</i> (Rothschild & Jordan), ♀ (V) | 4158 | (McD 3)  |
| 3 | <i>Papilio polyxenes asterius</i> Stoll, ♂                   | 4159 | (McD 4)  |
| 4 | <i>Papilio polyxenes asterius</i> Stoll, ♀                   | 4159 | (McD 4)  |
| 5 | <i>Papilio cresphontes</i> Cramer, ♂ (V)                     | 4170 | (McD 12) |

## NYMPHALIDAE

|   |   |      |           |
|---|---|------|-----------|
| 6 | <i>Heliconius charithonia tuckerorum</i> C. & B., ♂ | 4418 | (McD 155) |
|---|---|------|-----------|

## PAPILIONIDAE

|    |   |      |          |
|----|---|------|----------|
| 7  | <i>Papilio troilus</i> (L.) (f. <i>ilioneus</i> J. E. Smith), ♀     | 4181 | (McD 20) |
| 8  | <i>Papilio troilus</i> (L.) (f. <i>ilioneus</i> J. E. Smith), ♂ (V) | 4181 | (McD 20) |
| 9  | <i>Eurytides marcellus</i> (Cramer), ♀ (f. <i>lecontei</i> )        | 4184 | (McD 22) |
| 10 | <i>Eurytides marcellus</i> (Cramer), ♂ (f. <i>marcellus</i> )       | 4184 | (McD 22) |
| 11 | <i>Eurytides marcellus</i> (Cramer), ♀ (f. <i>telamonides</i> )     | 4184 | (McD 22) |

## NYMPHALIDAE

|    |                                    |      |           |
|----|------------------------------------|------|-----------|
| 12 | <i>Dryas iulia largo</i> Clench, ♂ | 4416 | (McD 156) |
|----|------------------------------------|------|-----------|

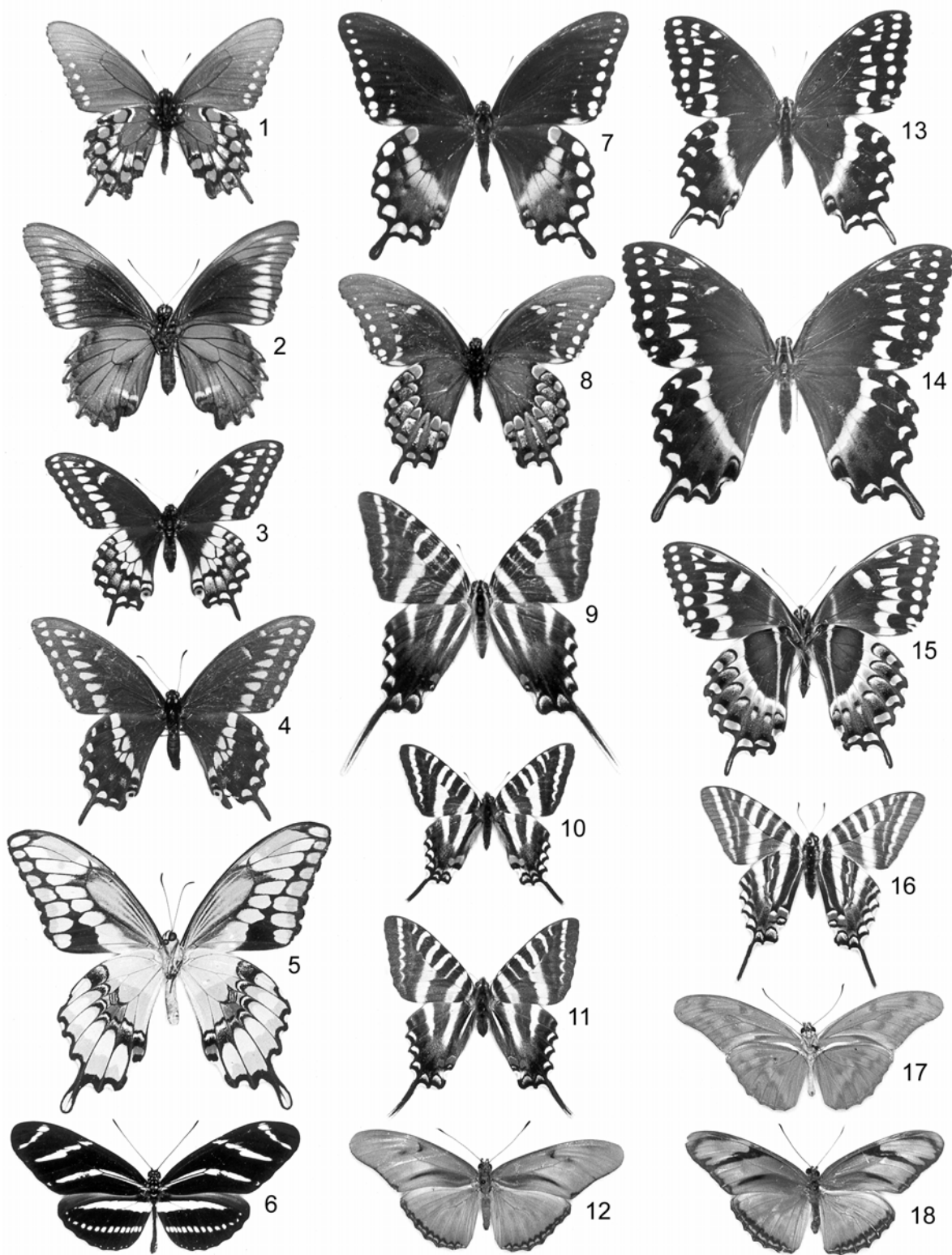
## PAPILIONIDAE

|    |   |      |          |
|----|---|------|----------|
| 13 | <i>Papilio palamedes</i> Drury, ♂                                   | 4182 | (McD 21) |
| 14 | <i>Papilio palamedes</i> Drury, ♀ (sum. f.)                         | 4182 | (McD 21) |
| 15 | <i>Papilio palamedes</i> Drury, ♂ (V)                               | 4182 | (McD 21) |
| 16 | <i>Eurytides marcellus</i> (Cramer), ♀ (V) (f. <i>telamonides</i> ) | 4184 | (McD 22) |

## NYMPHALIDAE

|    |  |      |           |
|----|--|------|-----------|
| 17 | <i>Dryas iulia largo</i> Clench, ♂ (V) | 4416 | (McD 156) |
| 18 | <i>Dryas iulia largo</i> Clench, ♀     | 4416 | (McD 156) |

(all figures at 60%; an unpublished Kimball (1965) plate)



**PLATE 25. PAPILIONIDAE, PIERIDAE, LYCAENIDAE, NYMPHALIDAE****PAPILIONIDAE**

|   |  |                          |      |          |
|---|--|--------------------------|------|----------|
| 1 | <i>Papilio glaucus</i> L. (f. <i>maynardi</i> Gauthier), ♂ | Alachua Co.: Gainesville | 4176 | (McD 15) |
| 2 | <i>Papilio glaucus</i> L., ♀ (dark form)                   | Highlands Co.: Sebring   | 4176 | (McD 15) |
| 3 | <i>Papilio aristodemus ponceanus</i> Schaus, ♂             | Monroe Co.: Key Largo    | 4171 | (McD 14) |
| 4 | <i>Battus polydamas lucayae</i> (R. & J.), ♀               | Highlands Co.: Sebring   | 4158 | (McD 3)  |
| 5 | <i>Battus philenor</i> (L.), ♂                             | New York                 | 4157 | (McD 1)  |

**NYMPHALIDAE**

|   |  |                            |      |           |
|---|--|----------------------------|------|-----------|
| 6 | <i>Anthanassa texana seminole</i> (Skinner), ♀ | Alachua Co.: Gainesville   | 4476 | (McD 274) |
| 7 | <i>Cyllopsis gemma</i> (Hübner), ♀ (V)         | Volusia Co.: Daytona Beach | 4573 | (McD 98)  |

**PIERIDAE**

|    |   |                          |      |          |
|----|---|--------------------------|------|----------|
| 8  | <i>Eurema nicippe</i> (Cramer), ♀ (V)               | Collier Co.: Naples      | 4242 | (McD 67) |
| 9  | <i>Eurema nicippe</i> (Cramer), ♀                   | Alachua Co.              | 4242 | (McD 67) |
| 10 | <i>Colias eurytheme</i> Boisduval, ♂                | Georgia                  | 4210 | (McD 41) |
| 11 | <i>Colias eurytheme</i> Boisduval, ♀ hybrid         | Georgia                  | 4210 | (McD 41) |
| 12 | <i>Colias eurytheme</i> f. <i>alba</i> Strecker), ♀ | New Mexico               | 4210 | (McD 41) |
| 13 | <i>Phoebis philea</i> (L.), ♂                       | Volusia Co.: Cassadaga   | 4229 | (McD 58) |
| 14 | <i>Phoebis philea</i> (L.), ♀                       | Alachua Co.: Gainesville | 4229 | (McD 58) |
| 15 | <i>Phoebis philea</i> (L.), ♀                       | Volusia Co.: Cassadaga   | 4229 | (McD 58) |

**NYMPHALIDAE**

|    |  |                            |      |           |
|----|--|----------------------------|------|-----------|
| 16 | <i>Neonympha areolata</i> (J. E. Smith), ♂ | Volusia Co.: Daytona Beach | 4576 | (McD 100) |
| 17 | <i>Neonympha areolata</i> (J. E. Smith), ♀ | Volusia Co.: Daytona Beach | 4576 | (McD 100) |

**PIERIDAE**

|    |   |                          |      |          |
|----|---|--------------------------|------|----------|
| 18 | <i>Eurema nicippe</i> f. <i>flava</i> (Strecker), ♀ (V) | Dade Co.: Florida City   | 4242 | (McD 67) |
| 19 | <i>Eurema nicippe</i> f. <i>flava</i> (Strecker), ♀     | Alachua Co.: Gainesville | 4242 | (McD 67) |
| 20 | <i>Zerene cesonia</i> (Stoll), ♂                        | Volusia Co.: DeLand      | 4224 | (McD 55) |
| 21 | <i>Zerene cesonia</i> f. <i>rosa</i> McNeil, ♀ (V)      | Arkansas                 | 4224 | (McD 55) |
| 22 | <i>Zerene cesonia</i> (Stoll), ♀ (albino)               | Volusia Co.: Cassadaga   | 4224 | (McD 55) |
| 23 | <i>Eurema दौरа</i> (Godart), ♀                          | Georgia                  | 4243 | (McD 64) |
| 24 | <i>Eurema दौरа</i> f. <i>jucunda</i> (B. & L.), ♂       | Volusia Co.: Cassadaga   | 4243 | (McD 64) |
| 25 | <i>Eurema दौरа</i> (Godart), ♀ (V)                      | Volusia Co.: DeLand      | 4243 | (McD 64) |
| 26 | <i>Eurema दौरа</i> f. <i>jucunda</i> (B. & L.), ♂ (V)   | Alachua Co.: Gainesville | 4243 | (McD 64) |
| 27 | <i>Phoebis agarithe maxima</i> (Neum.), ♂               | Monroe Co.: Big Pine Key | 4231 | (McD 60) |
| 28 | <i>Phoebis agarithe maxima</i> (Neum.), ♀               | Monroe Co.: Stock Is.    | 4231 | (McD 60) |

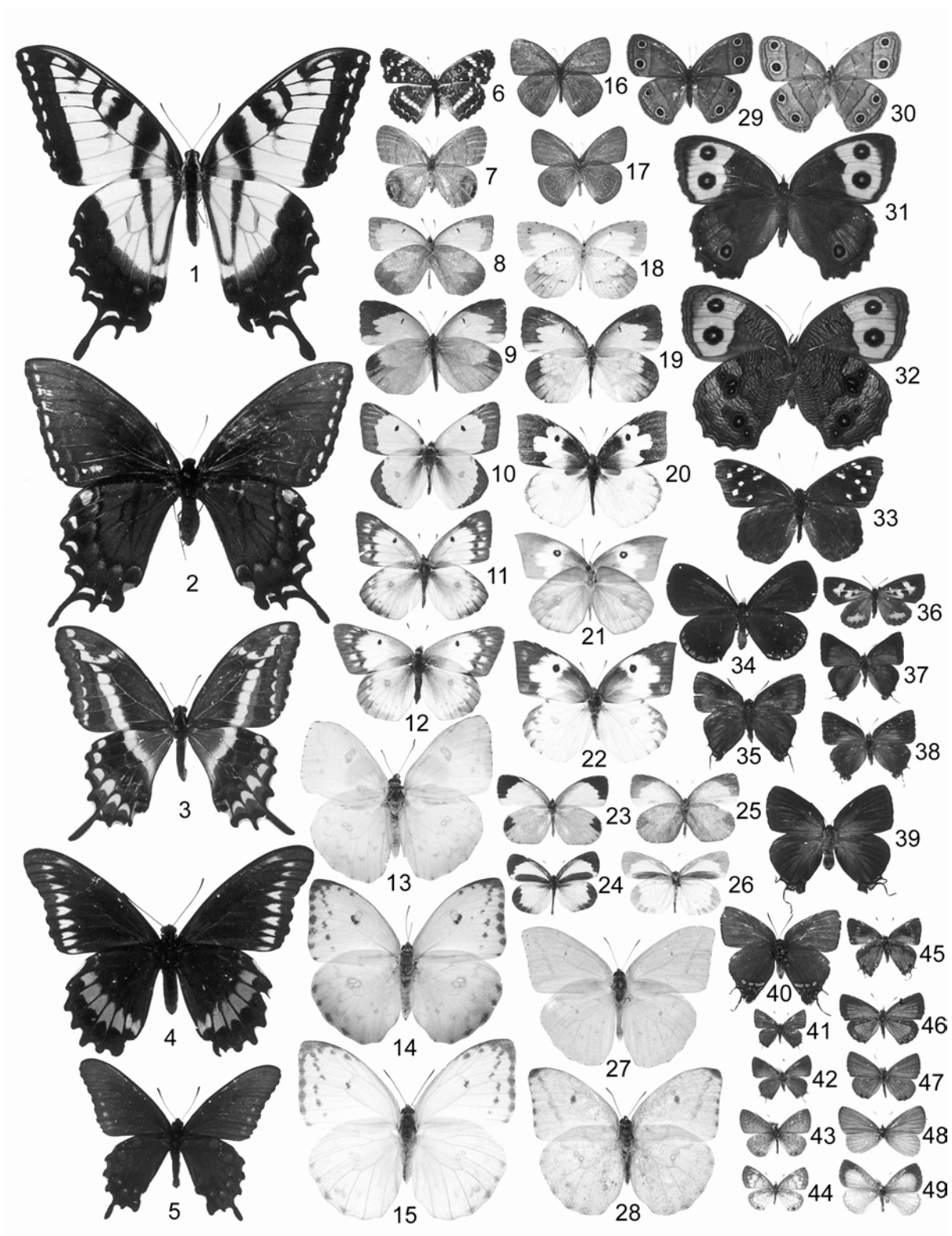
**NYMPHALIDAE**

|    |  |                                       |       |           |
|----|--|---------------------------------------|-------|-----------|
| 29 | <i>Megisto cymela cymela</i> (Cramer), ♀     | Arkansas                              | 4578a | (McD 103) |
| 30 | <i>Megisto cymela viola</i> (Maynard), ♀ (V) | Marion Co.: Juniper Sprg., Ocala N.F. | 4578b | (McD 103) |
| 31 | <i>Cercyonis pegala</i> (Fabricius), ♀       | Alachua Co.                           | 4587  | (McD 116) |
| 32 | <i>Cercyonis pegala</i> (Fabricius), ♀ (V)   | Volusia Co.: Tomoka                   | 4587  | (McD 116) |
| 33 | <i>Eunica tatila tatilista</i> Kaye, ♀       | Dade Co.: Coral Gables                | 4533  | (McD 310) |

**LYCAENIDAE**

|    |   |                          |        |             |
|----|---|--------------------------|--------|-------------|
| 34 | <i>Eumaeus atala florida</i> Röber, ♀               | [Dade Co.?]              | 4268   | (McD 354)   |
| 35 | <i>Atlides halesus</i> (Cramer), ♂                  | Alachua Co.: Gainesville | 4270   | (McD 356)   |
| 36 | <i>Feniseca tarquinius</i> (Fabricius), ♀           | Alachua Co.: Fairbanks   | 4249   | (McD 419)   |
| 37 | <i>Parrhasius m-album</i> (B. & L.), ♂              | Alachua Co.              | 4335   | (McD 372)   |
| 38 | <i>Parrhasius m-album</i> (B. & L.), ♀              | Highlands Co.: Sebring   | 4335   | (McD 372)   |
| 39 | <i>Atlides halesus</i> (Cramer), ♀                  | Alachua Co.: Gainesville | 4270   | (McD 356)   |
| 40 | <i>Atlides halesus</i> (Cramer), ♀ (V)              | Seminole Co.: Lake Helen | 4270   | (McD 356)   |
| 41 | <i>Chlorostrymon maesites</i> (H.-S.), ♂            | Dade Co.: Miami          | 4271   | (McD 365.1) |
| 42 | <i>Chlorostrymon maesites</i> (H.-S.), ♀            | Dade Co.: Miami          | 4271   | (McD 365.1) |
| 43 | <i>Leptotes cassius theonus</i> (Lucas), ♂          | Monroe Co.: Stock Is.    | 4356   | (McD 438)   |
| 44 | <i>Leptotes cassius theonus</i> (Lucas), ♀          | Monroe Co.: Stock Is.    | 4356   | (McD 438)   |
| 45 | <i>Strymon martialis</i> (H.-S.), ♂                 | Monroe Co.: Big Pine Key | 4340   | (McD 361)   |
| 46 | <i>Cyclargus thomasi bethunebakeri</i> (C. & H.), ♀ | Monroe Co.: Key Largo    | 4358   | (McD 442)   |
| 47 | <i>Cyclargus thomasi bethunebakeri</i> (C. & H.), ♂ | Monroe Co.: Key Largo    | 4358   | (McD 442)   |
| 48 | <i>Celastrina neglecta</i> (W. H. Edwards), ♂       | Duval Co.: Jacksonville  | 4363.1 | (McD 475)   |
| 49 | <i>Celastrina neglecta</i> (W. H. Edwards), ♀       | Duval Co.: Jacksonville  | 4363.1 | (McD 475)   |

(all figures at 60%; originally, Kimball (1965) color Plate 1)





**PLATE 26. PIERIDAE, RIODINIDAE, LYCAENIDAE****PIERIDAE**

|    |  |      |          |
|----|--|------|----------|
| 1  | <i>Phoebis sennae eubule</i> (Linnaeus), ♂                     | 4228 | (McD 57) |
| 2  | <i>Phoebis sennae eubule</i> (Linnaeus), ♀                     | 4228 | (McD 57) |
| 3  | <i>Phoebis sennae eubule</i> (Linnaeus), ♂ (V)                 | 4228 | (McD 57) |
| 4  | <i>Phoebis agarithe maxima</i> (Neumoegen), ♀ (V)              | 4231 | (McD 60) |
| 5  | <i>Colias eurytheme</i> Boisduval, ♂ (spr. f. <i>ariadne</i> ) | 4210 | (McD 41) |
| 6  | <i>Colias eurytheme</i> Boisduval, ♀                           | 4210 | (McD 41) |
| 7  | <i>Colias philodice</i> Godart, ♀                              | 4209 | (McD 42) |
| 8  | <i>Eurema nicippe</i> (Cramer), ♂                              | 4242 | (McD 67) |
| 9  | <i>Eurema lisa</i> Boisduval & Leconte, ♂                      | 4237 | (McD 72) |
| 10 | <i>Eurema lisa</i> Boisduval & Leconte, ♀                      | 4237 | (McD 72) |
| 11 | <i>Nathalis iole</i> Boisduval, ♂                              | 4248 | (McD 75) |
| 12 | <i>Nathalis iole</i> Boisduval, ♀                              | 4248 | (McD 75) |
| 13 | <i>Nathalis iole</i> Boisduval, ♂ (V)                          | 4248 | (McD 75) |
| 14 | <i>Nathalis iole</i> Boisduval, ♀ (V)                          | 4248 | (McD 75) |

**RIODINIDAE**

|    |  |      |           |
|----|--|------|-----------|
| 15 | <i>Calephelis virginiensis</i> (Guérin-Méneville), ♂     | 4386 | (McD 345) |
| 16 | <i>Calephelis virginiensis</i> (Guérin-Méneville), ♂ (V) | 4386 | (McD 345) |

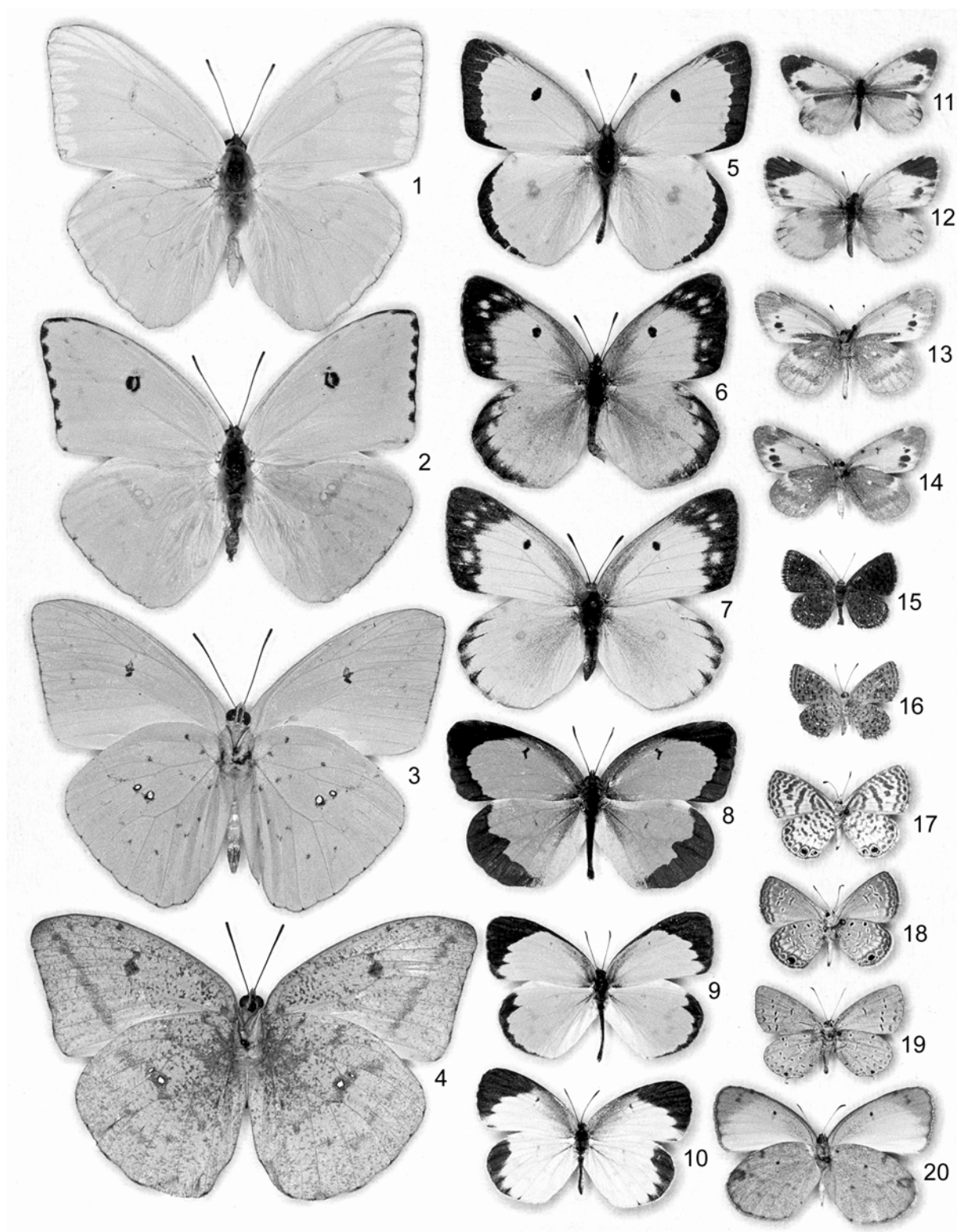
**LYCAENIDAE**

|    |  |      |           |
|----|--|------|-----------|
| 17 | <i>Leptotes cassius theonus</i> (Lucas), ♂ (V)       | 4356 | (McD 438) |
| 18 | <i>Hemiargus ceraunus antibubastus</i> Hübner, ♂ (V) | 4359 | (McD 443) |
| 19 | <i>Everes comyntas</i> (Godart), ♂ (V)               | 4361 | (McD 447) |

**PIERIDAE**

|    |   |      |          |
|----|---|------|----------|
| 20 | <i>Eurema lisa</i> Boisduval & Leconte, ♀ (V) | 4237 | (McD 72) |
|----|---|------|----------|

(all figures at 105%; an unpublished Kimball (1965) plate)



**PLATE 27. PIERIDAE, NYMPHALIDAE, LIBYTHEIDAE****PIERIDAE**

|    |   |      |          |
|----|---|------|----------|
| 1  | <i>Pieris rapae</i> (Linnaeus), ♀                           | 4197 | (McD 86) |
| 2  | <i>Pieris rapae</i> (Linnaeus), ♂                           | 4197 | (McD 86) |
| 3  | <i>Pieris rapae</i> (Linnaeus), ♀ (V)                       | 4197 | (McD 86) |
| 4  | <i>Appias drusilla neumoegenii</i> (Skinner), ♀             | 4190 | (McD 78) |
| 5  | <i>Appias drusilla neumoegenii</i> (Skinner), ♀ (dark form) | 4190 | (McD 78) |
| 6  | <i>Ascia monuste phileta</i> (Fabricius), ♂                 | 4198 | (McD 88) |
| 7  | <i>Ascia monuste phileta</i> (Fabricius), ♀                 | 4198 | (McD 88) |
| 8  | <i>Ascia monuste phileta</i> (Fabricius), ♂ (V)             | 4198 | (McD 88) |
| 9  | <i>Appias drusilla neumoegenii</i> (Skinner), ♂             | 4190 | (McD 78) |
| 10 | <i>Appias drusilla neumoegenii</i> (Skinner), ♂ (V)         | 4190 | (McD 78) |

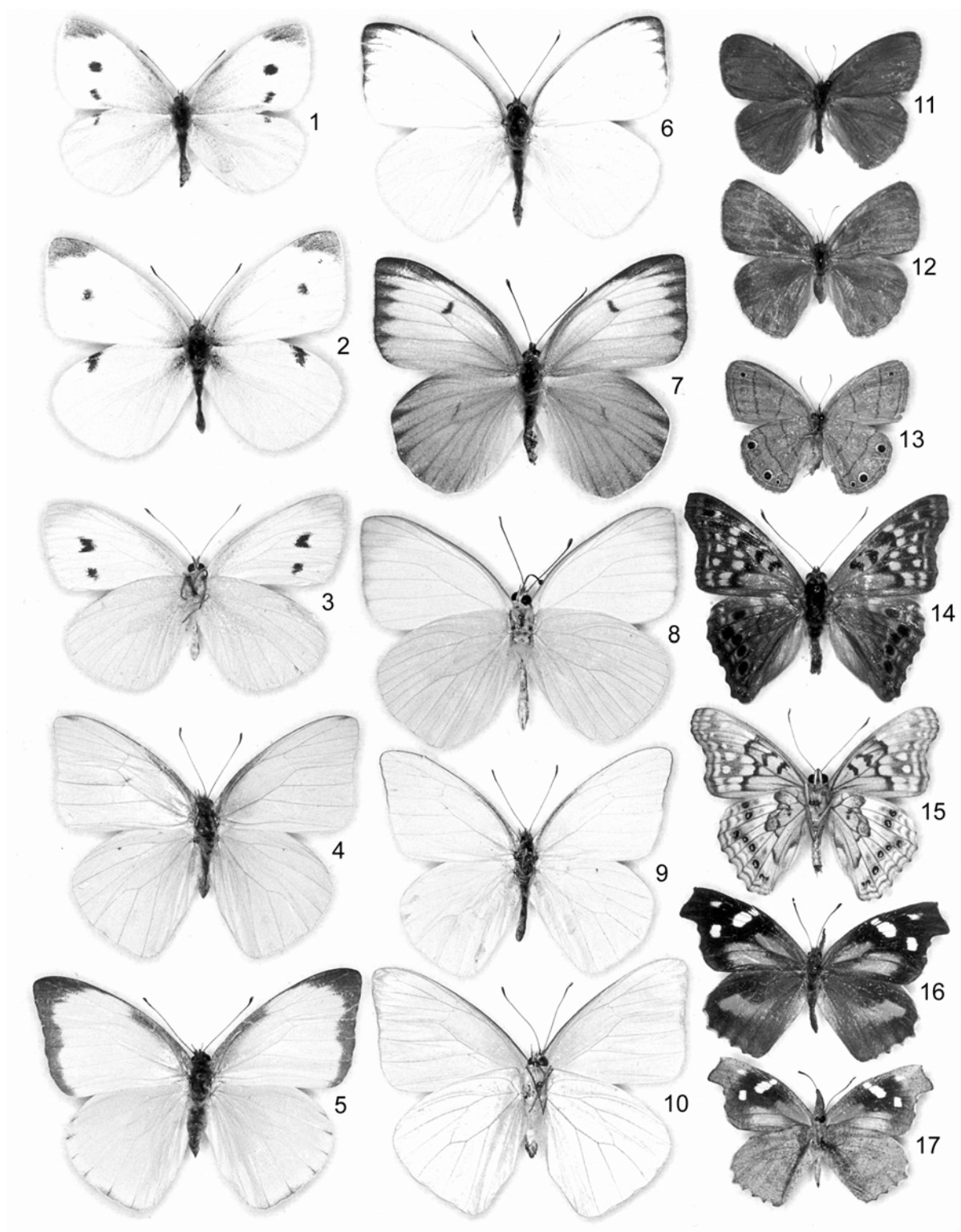
**NYMPHALIDAE**

|    |  |        |           |
|----|--|--------|-----------|
| 11 | <i>Hermeuptychia sosybius</i> (Fabricius), ♂           | 4575   | (McD 102) |
| 12 | <i>Hermeuptychia sosybius</i> (Fabricius), ♀           | 4575   | (McD 102) |
| 13 | <i>Hermeuptychia sosybius</i> (Fabricius), ♂ (V)       | 4575   | (McD 102) |
| 14 | <i>Asterocampa clyton</i> (Boisduval & Leconte), ♂     | 4562.1 | (McD 329) |
| 15 | <i>Asterocampa clyton</i> (Boisduval & Leconte), ♂ (V) | 4562.1 | (McD 329) |

**LIBYTHEIDAE**

|    |   |      |           |
|----|---|------|-----------|
| 16 | <i>Libytheana carinenta bachmanii</i> (Kirtland), ♂     | 4410 | (McD 336) |
| 17 | <i>Libytheana carinenta bachmanii</i> (Kirtland), ♂ (V) | 4410 | (McD 336) |

(an unpublished Kimball (1965) plate)



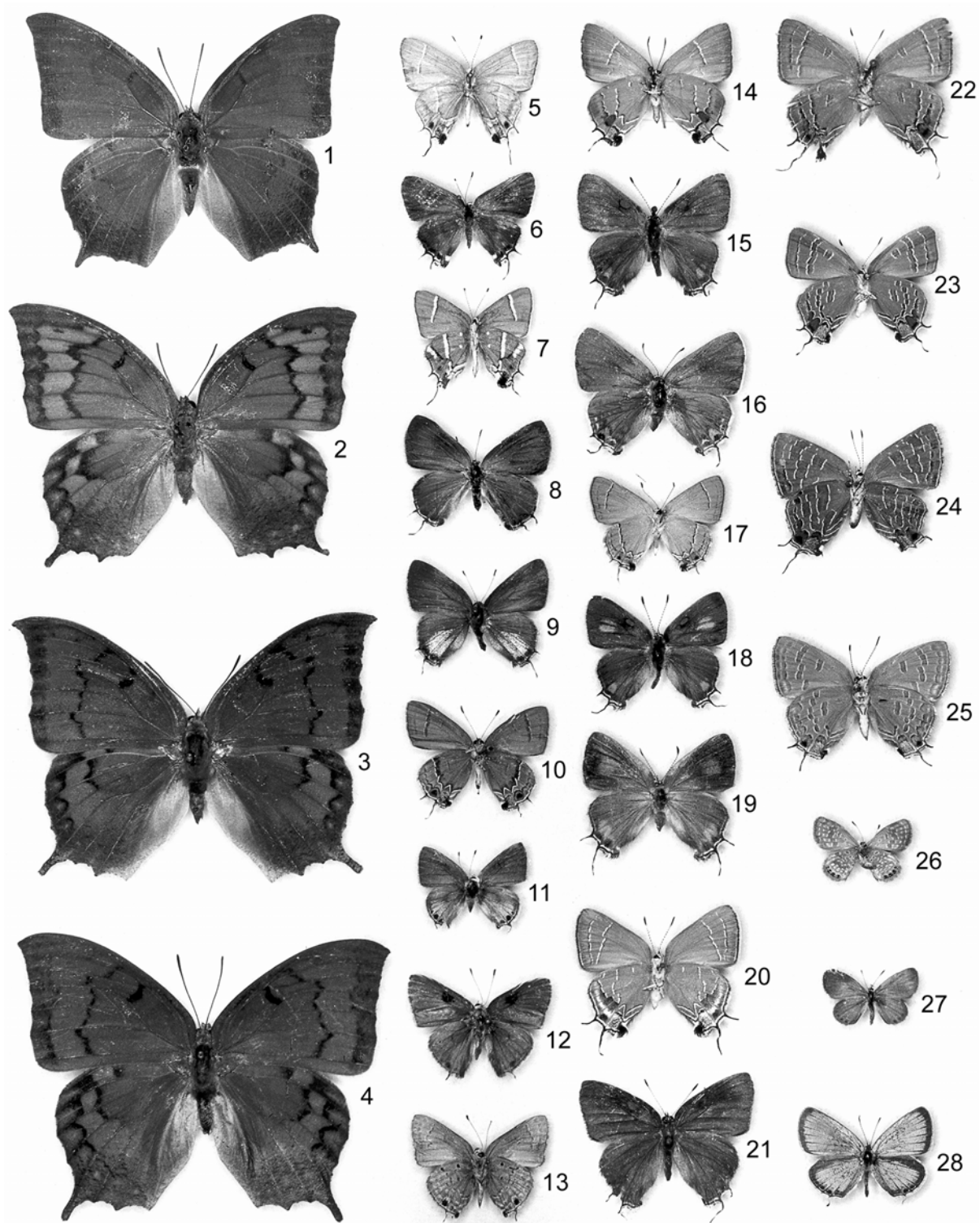
**PLATE 28. NYMPHALIDAE, LYCAENIDAE****NYMPHALIDAE**

|   |  |      |           |
|---|--|------|-----------|
| 1 | <i>Anaea andria</i> Scudder, ♂                           | 4554 | (McD 333) |
| 2 | <i>Anaea andria</i> Scudder, ♀                           | 4554 | (McD 333) |
| 3 | <i>Anaea troglodyta floridalis</i> J. & C., ♀ (wint. f.) | 4553 | (McD 334) |
| 4 | <i>Anaea troglodyta floridalis</i> J. & C., ♀ (sum. f.)  | 4553 | (McD 334) |

**LYCAENIDAE**

|    |  |      |             |
|----|--|------|-------------|
| 5  | <i>Strymon martialis</i> (H.-S.), ♂ (V)                          | 4340 | (McD 361)   |
| 6  | <i>Strymon acis bartrami</i> (C. & H.), ♂                        | 4343 | (McD 362)   |
| 7  | <i>Strymon acis bartrami</i> (C. & H.), ♂ (V)                    | 4343 | (McD 362)   |
| 8  | <i>Callophrys (Calycopis) cecrops</i> (Fabricius), ♀             | 4299 | (McD 365)   |
| 9  | <i>Callophrys (Calycopis) cecrops</i> (Fabricius), ♀ (blue form) | 4299 | (McD 365)   |
| 10 | <i>Callophrys (Calycopis) cecrops</i> (Fabricius), ♂ (V)         | 4299 | (McD 365)   |
| 11 | <i>Strymon istapa</i> (Reakirt), ♀                               | 4345 | (McD 366)   |
| 12 | <i>Strymon istapa</i> (Reakirt), ♂                               | 4345 | (McD 366)   |
| 13 | <i>Strymon istapa</i> (Reakirt), ♂ (V)                           | 4345 | (McD 366)   |
| 14 | <i>Parrhasius m-album</i> (B. & L.), ♂ (V)                       | 4335 | (McD 372)   |
| 15 | <i>Strymon melinus</i> (Hübner), ♂                               | 4336 | (McD 373)   |
| 16 | <i>Strymon melinus</i> (Hübner), ♀                               | 4336 | (McD 373)   |
| 17 | <i>Strymon melinus</i> (Hübner), ♂ (V)                           | 4336 | (McD 373)   |
| 18 | <i>Fixsenia favonius</i> (J. E. Smith), ♂                        | 4331 | (McD 374)   |
| 19 | <i>Fixsenia favonius</i> (J. E. Smith), ♀                        | 4331 | (McD 374)   |
| 20 | <i>Fixsenia favonius</i> (J. E. Smith), ♀ (V)                    | 4331 | (McD 374)   |
| 21 | <i>Satyrium calanus</i> (Hübner), ♂                              | 4282 | (McD 386)   |
| 22 | <i>Satyrium calanus</i> (Hübner), ♂ (V) (f. <i>wittfeldii</i> )  | 4282 | (McD 386)   |
| 23 | <i>Satyrium calanus</i> (Hübner), ♀ (V)                          | 4282 | (McD 386)   |
| 24 | <i>Satyrium liparops</i> (Leconte), ♀ (V)                        | 4285 | (McD 389)   |
| 25 | <i>Satyrium kingi</i> (Klots & Clench), ♀ (V)                    | 4284 | (McD 389.1) |
| 26 | <i>Brephidium isophthalma pseudofea</i> (Morrison), ♀, V         | 4354 | (McD 441)   |
| 27 | <i>Brephidium isophthalma pseudofea</i> (Morrison), ♀            | 4354 | (McD 441)   |
| 28 | <i>Everes comyntas</i> (Godart), ♂                               | 4361 | (McD 447)   |

(an unpublished Kimball (1965) plate)

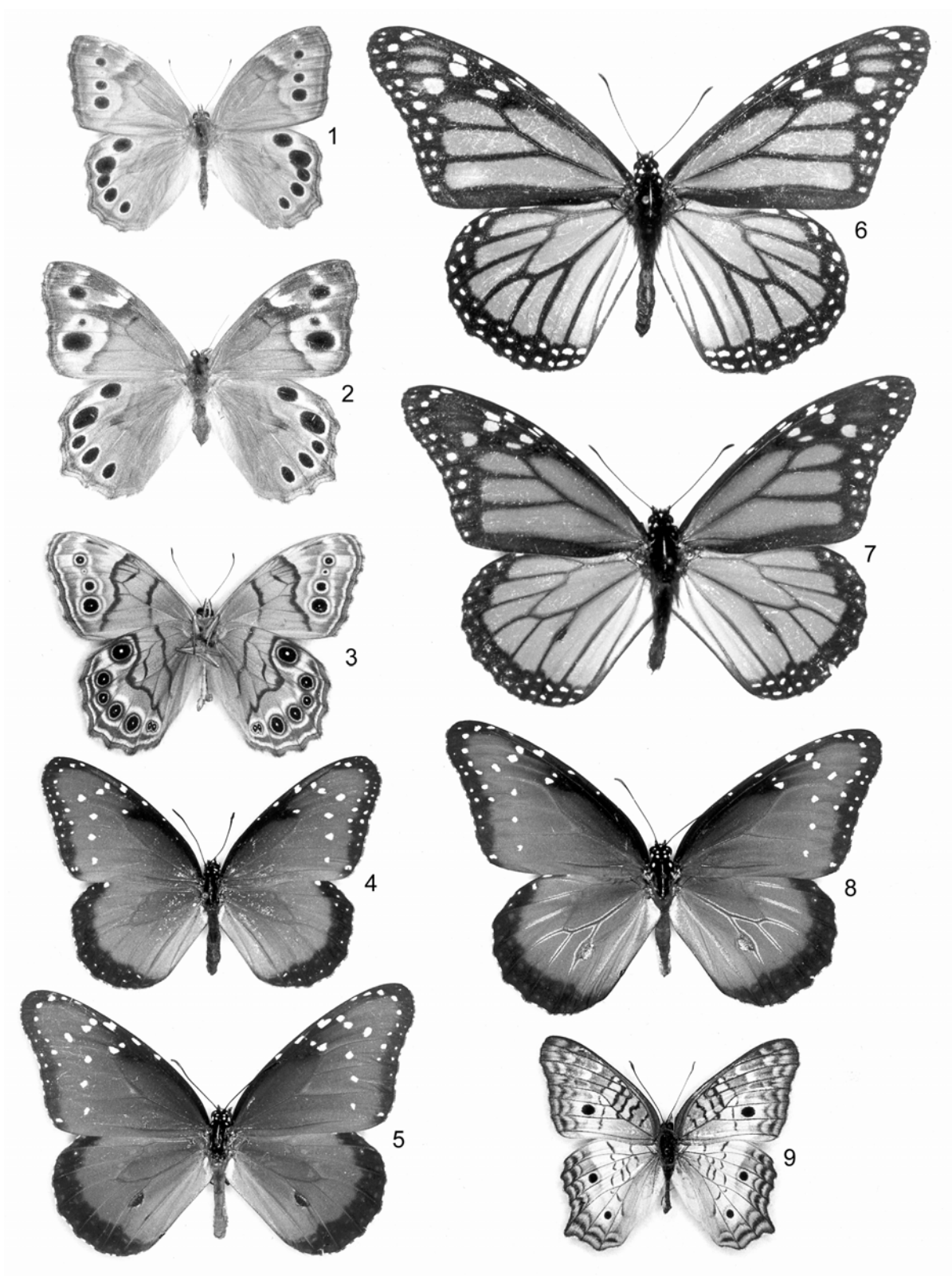


**PLATE 29. NYMPHALIDAE**

|   |  |       |           |
|---|--|-------|-----------|
| 1 | <i>Enodia portlandia floralae</i> (J. R. Heitzman & dos Passos), ♂     | 4568a | (McD 96)  |
| 2 | <i>Enodia portlandia floralae</i> (J. R. Heitzman & dos Passos), ♀     | 4568a | (McD 96)  |
| 3 | <i>Enodia portlandia floralae</i> (J. R. Heitzman & dos Passos), ♂ (V) | 4568a | (McD 96)  |
| 4 | <i>Danaus gilippus berenice</i> (Cramer), ♀                            | 4615a | (McD 90)  |
| 5 | <i>Danaus gilippus berenice</i> (Cramer), ♂                            | 4615a | (McD 90)  |
| 6 | <i>Danaus plexippus</i> (Linnaeus), ♀                                  | 4614  | (McD 89)  |
| 7 | <i>Danaus plexippus</i> (Linnaeus), ♂                                  | 4614  | (McD 89)  |
| 8 | <i>Danaus gilippus strigosus</i> (Bates), ♂ [subsp. not in Florida]    | 4615b | (McD 90a) |
| 9 | <i>Anartia jatrophae guantanamo</i> Munroe, ♂                          | 4443a | (McD 305) |

Arizona

(an unpublished Kimball (1965) plate)

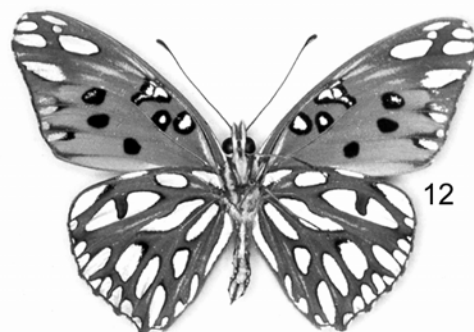




**PLATE 30. NYMPHALIDAE**

|    |   |      |           |
|----|---|------|-----------|
| 1  | <i>Speyeria cybele</i> (Fabricius), ♂ [rare stray in Florida]     | 4450 | (McD 166) |
| 2  | <i>Speyeria cybele</i> (Fabricius), ♀ (V)                         | 4450 | (McD 166) |
| 3  | <i>Phyciodes phaon</i> (W. H. Edwards), ♀                         | 4480 | (McD 264) |
| 4  | <i>Phyciodes phaon</i> (W. H. Edwards), ♀                         | 4480 | (McD 264) |
| 5  | <i>Phyciodes phaon</i> (W. H. Edwards), ♀ (V)                     | 4480 | (McD 264) |
| 6  | <i>Phyciodes tharos</i> (Drury), ♂ (spr. f. <i>marcia</i> )       | 4481 | (McD 265) |
| 7  | <i>Phyciodes tharos</i> (Drury), ♂ (sum. f. <i>morpheus</i> )     | 4481 | (McD 265) |
| 8  | <i>Phyciodes tharos</i> (Drury), ♀ (sum. f. <i>morpheus</i> )     | 4481 | (McD 265) |
| 9  | <i>Phyciodes tharos</i> (Drury), ♀ (V) (sum. f. <i>morpheus</i> ) | 4481 | (McD 265) |
| 10 | <i>Phyciodes tharos</i> (Drury), ♀ (V) (spr. f. <i>marcia</i> )   | 4481 | (McD 265) |
| 11 | <i>Agraulis vanillae nigrior</i> Michener, ♂                      | 4413 | (McD 158) |
| 12 | <i>Agraulis vanillae nigrior</i> Michener, ♂ (V)                  | 4413 | (McD 158) |
| 13 | <i>Euptoietia claudia</i> (Cramer), ♂                             | 4447 | (McD 159) |
| 14 | <i>Euptoietia claudia</i> (Cramer), ♀                             | 4447 | (McD 159) |
| 15 | <i>Anthanassa (Eresia) frisia</i> (Poey), ♂                       | 4478 | (McD 273) |
| 16 | <i>Anthanassa (Eresia) frisia</i> (Poey), ♀ (V)                   | 4478 | (McD 273) |

(an unpublished Kimball (1965) plate)



**PLATE 31. NYMPHALIDAE, LYCAENIDAE**

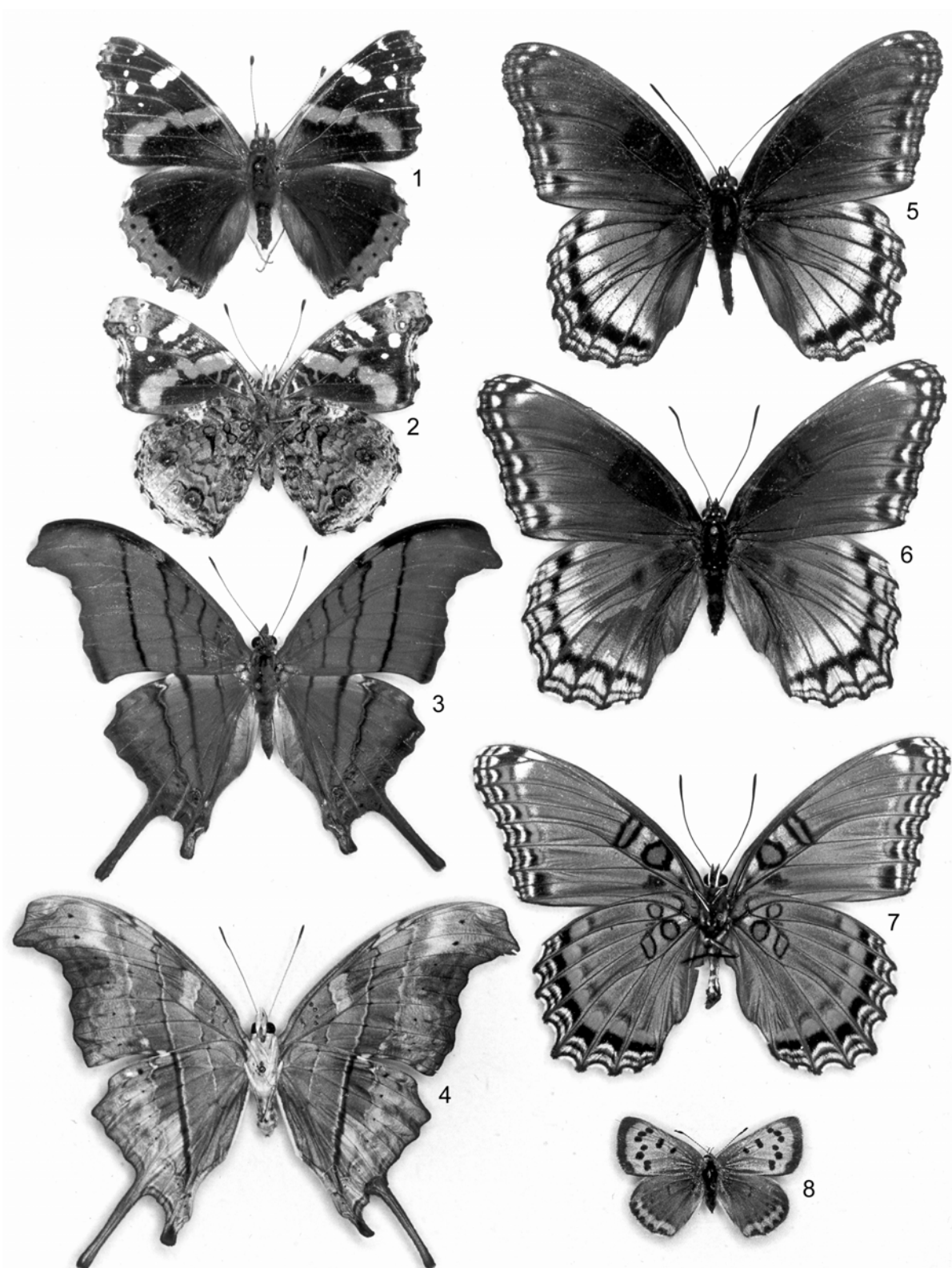
## NYMPHALIDAE

|   |   |      |           |
|---|---|------|-----------|
| 1 | <i>Vanessa atalanta rubria</i> (Fruhstorfer), ♂                     | 4437 | (McD 299) |
| 2 | <i>Vanessa atalanta rubria</i> (Fruhstorfer), ♀ (V)                 | 4437 | (McD 299) |
| 3 | <i>Marpesia petreus</i> (Cramer), ♂                                 | 4550 | (McD 319) |
| 4 | <i>Marpesia petreus</i> (Cramer), ♀ (V)                             | 4550 | (McD 319) |
| 5 | <i>Limenitis (Basilarchia) arthemis astyanax</i> (Fabricius), ♂     | 4522 | (McD 322) |
| 6 | <i>Limenitis (Basilarchia) arthemis astyanax</i> (Fabricius), ♀     | 4522 | (McD 322) |
| 7 | <i>Limenitis (Basilarchia) arthemis astyanax</i> (Fabricius), ♂ (V) | 4522 | (McD 322) |

## LYCAENIDAE

|   |  |      |           |
|---|--|------|-----------|
| 8 | <i>Lycaena phlaeas americana</i> Harris, ♀ [not in FL] | 4251 | (McD 435) |
|---|--|------|-----------|

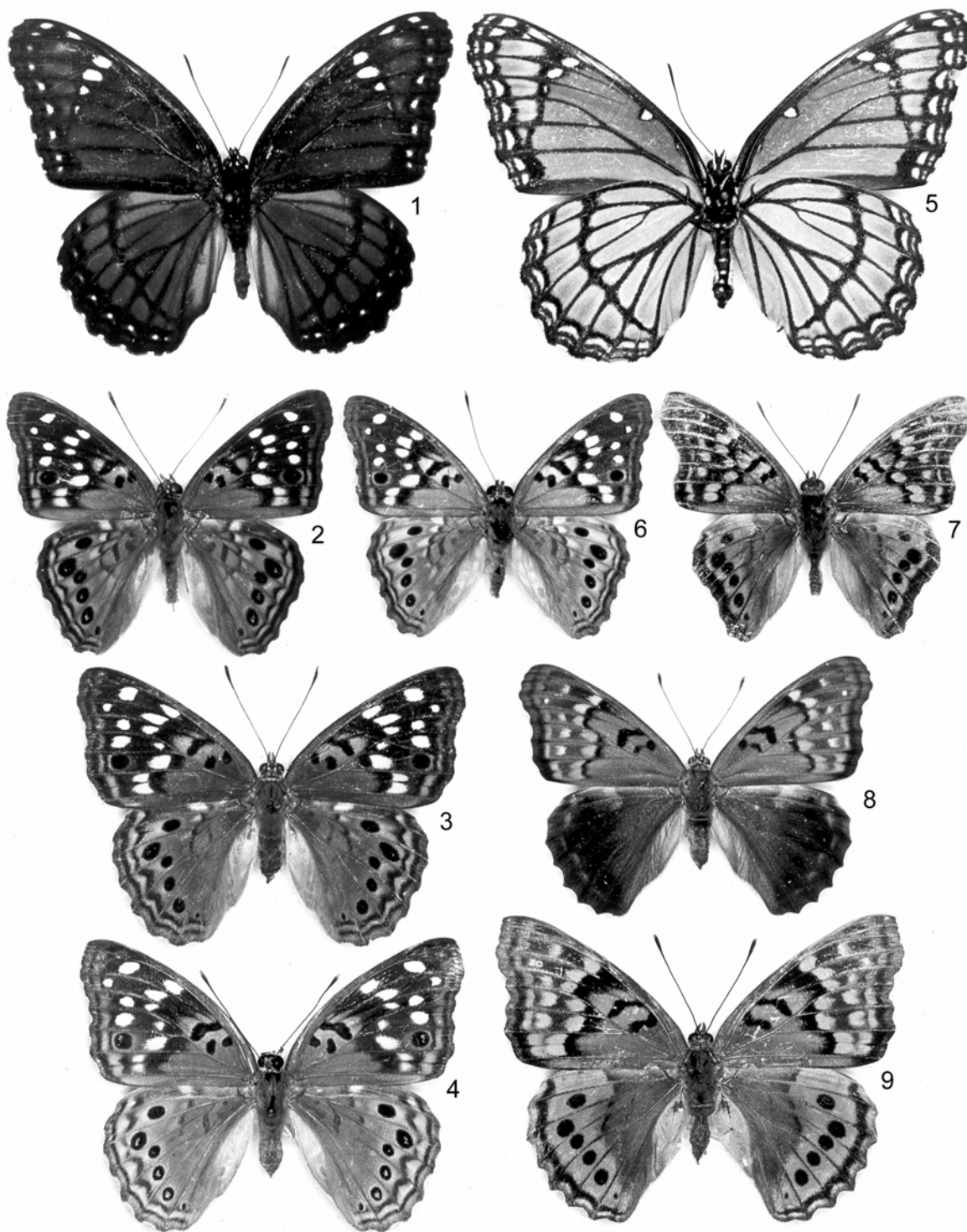
(an unpublished Kimball (1965) plate)



**PLATE 32. NYMPHALIDAE**

|   |  |        |            |
|---|--|--------|------------|
| 1 | <i>Limenitis (Basilarchia) archippus floridensis</i> (Strecker), ♂     | 4523   | (McD 325)  |
| 2 | <i>Limenitis (Basilarchia) archippus floridensis</i> (Strecker), ♀ (V) | 4523   | (McD 325)  |
| 3 | <i>Asterocampa celtis</i> (Boisduval & Leconte), ♂                     | 4557   | (McD 327)  |
| 4 | <i>Asterocampa celtis</i> (Boisduval & Leconte), ♀                     | 4557   | (McD 327)  |
| 5 | <i>Asterocampa celtis reinthali</i> Friedlander, ♀                     | 4562   | (McD 327b) |
| 6 | <i>Asterocampa celtis reinthali</i> Friedlander, ♂                     | 4562   | (McD 327b) |
| 7 | <i>Asterocampa clyton flora</i> (W. H. Edwards), ♂                     | 4562.1 | (McD 329a) |
| 8 | <i>Asterocampa clyton clyton</i> (Boisduval & Leconte), ♀              | 4562.1 | (McD 329a) |
| 9 | <i>Asterocampa clyton flora</i> (W. H. Edwards), ♀                     | 4562.1 | (McD 329a) |

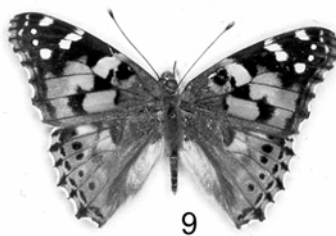
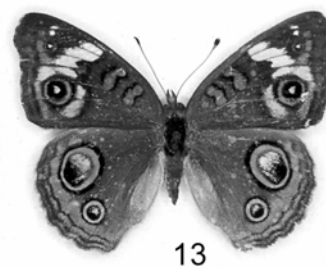
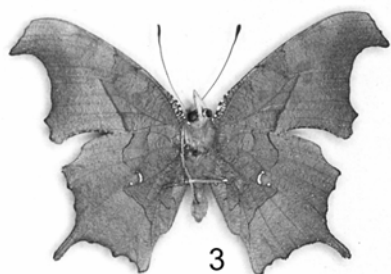
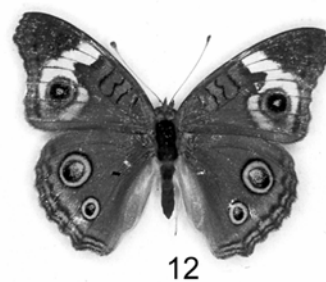
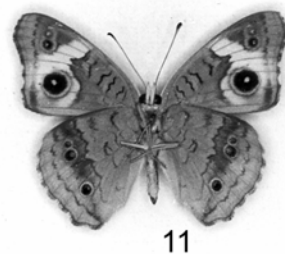
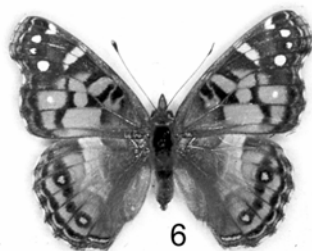
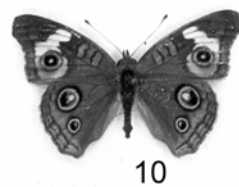
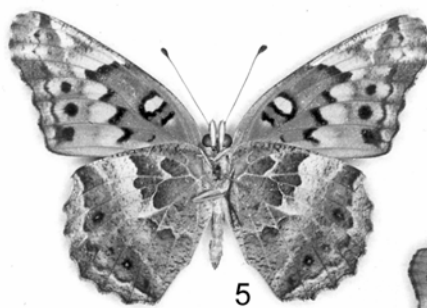
(an unpublished Kimball (1965) plate)



**PLATE 33. NYMPHALIDAE**

|    |  |      |           |
|----|--|------|-----------|
| 1  | <i>Polygonia interrogationis</i> (Fabricius), ♂                      | 4420 | (McD 285) |
| 2  | <i>Polygonia interrogationis</i> (Fabricius), ♀                      | 4420 | (McD 285) |
| 3  | <i>Polygonia interrogationis</i> (Fabricius), ♀ (V)                  | 4420 | (McD 285) |
| 4  | <i>Polygonia interrogationis</i> (Fabricius), ♂ (f. <i>umbrosa</i> ) | 4420 | (McD 285) |
| 5  | <i>Euptoieta claudia</i> (Cramer), ♀ (V)                             | 4447 | (McD 159) |
| 6  | <i>Vanessa virginiensis</i> (Drury), ♂                               | 4434 | (McD 300) |
| 7  | <i>Vanessa virginiensis</i> (Drury), ♀                               | 4434 | (McD 300) |
| 8  | <i>Vanessa virginiensis</i> (Drury), ♂ (V)                           | 4434 | (McD 300) |
| 9  | <i>Vanessa cardui</i> (Linnaeus), ♂                                  | 4435 | (McD 301) |
| 10 | <i>Junonia coenia</i> (Hübner), ♂ (dwarf)                            | 4440 | (McD 303) |
| 11 | <i>Junonia coenia</i> (Hübner), ♂ (V)                                | 4440 | (McD 303) |
| 12 | <i>Junonia coenia</i> (Hübner), ♂                                    | 4440 | (McD 303) |
| 13 | <i>Junonia coenia</i> (Hübner), ♀                                    | 4440 | (McD 303) |
| 14 | <i>Vanessa cardui</i> (Linnaeus), ♀                                  | 4435 | (McD 301) |

(all figures at 90%; an unpublished Kimball (1965) plate)





**PLATE 34. LYMANTRIIDAE, LASIOCAMPIDAE, APATELODIDAE, DREPANIDAE,  
GEOMETRIDAE**

**LYMANTRIIDAE**

|   |  |                          |      |            |
|---|--|--------------------------|------|------------|
| 1 | <i>Dasychira meridionalis</i> (B. & McD.), ♂ | Volusia Co.: Cassadaga   | 8298 | (McD 3952) |
| 2 | <i>Dasychira leucophaea</i> (J. E. Smith), ♀ | Alachua Co.: Gainesville | 8301 | (McD 3956) |

**LASIOCAMPIDAE**

|   |   |                            |      |            |
|---|---|----------------------------|------|------------|
| 3 | <i>Artace cribaria</i> (Ljungh), ♂          | Volusia Co.: Cassadaga     | 7683 | (McD 3977) |
| 4 | <i>Malacosoma americanum</i> (Fabricius), ♂ | Alachua Co.: Gainesville   | 7701 | (McD 3989) |
| 5 | <i>Malacosoma disstria</i> Hübner, ♂        | Escambia Co.: W. Pensacola | 7698 | (McD 3997) |
| 6 | <i>Phyllodesma occidentis</i> (Walker), ♂   | New York                   | 7687 | (McD 3999) |
| 7 | <i>Tolyte velleda</i> (Stoll), ♀            | New York                   | 7670 | (McD 3978) |

**APATELODIDAE**

|   |   |                        |      |            |
|---|---|------------------------|------|------------|
| 8 | <i>Apateles torrefacta</i> (J. E. Smith), ♂     | Escambia Co.           | 7663 | (McD 4001) |
| 9 | <i>Olceclostera indistincta</i> (H. Edwards), ♂ | Volusia Co.: Cassadaga | 7665 | (McD 4003) |

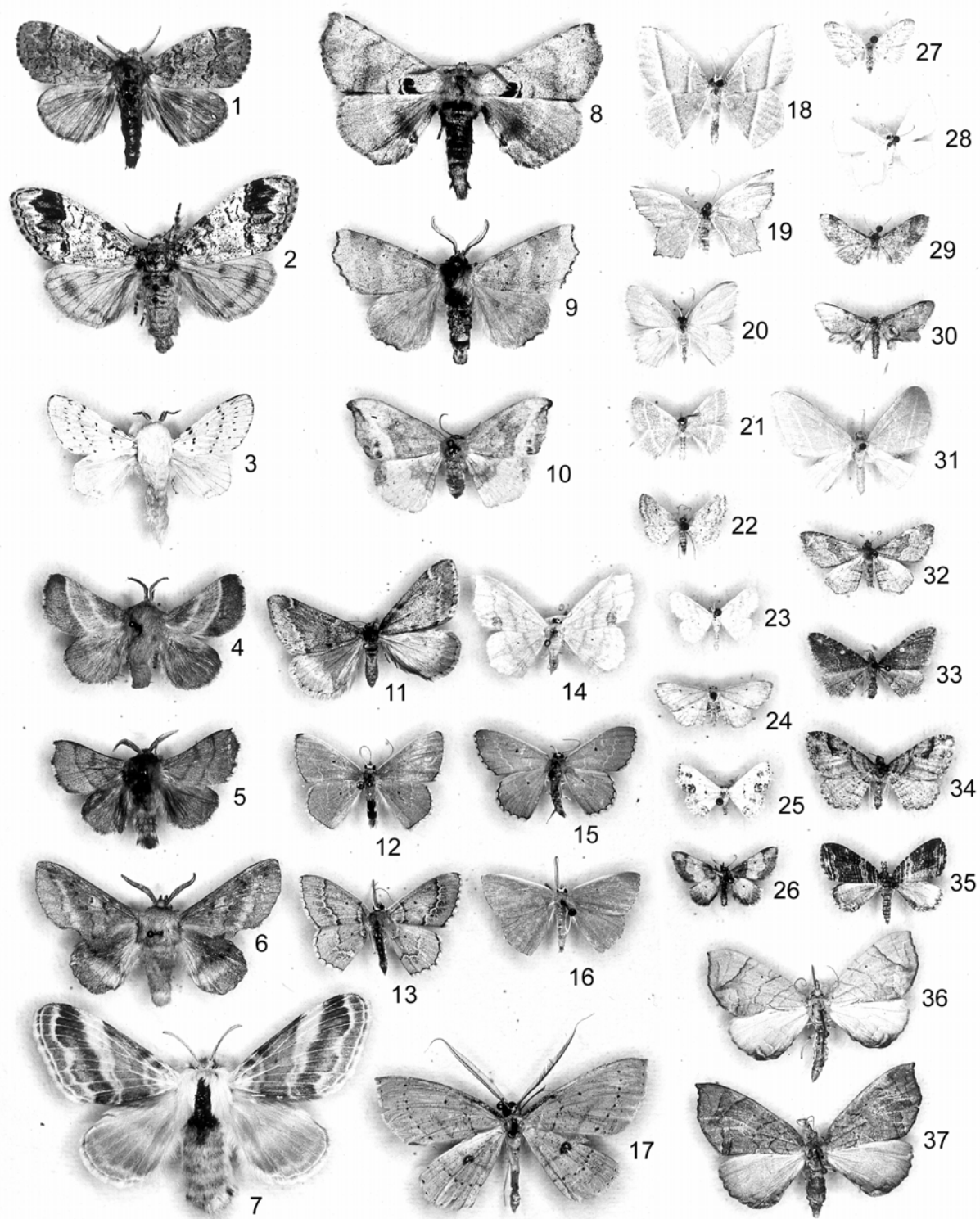
**DREPANIDAE**

|    |                                |              |      |            |
|----|--------------------------------|--------------|------|------------|
| 10 | <i>Oreta rosea</i> (Walker), ♀ | Escambia Co. | 6255 | (McD 4019) |
|----|--------------------------------|--------------|------|------------|

**GEOMETRIDAE**

|    |  |                            |      |              |
|----|--|----------------------------|------|--------------|
| 11 | <i>Alsophila pometaria</i> (Harris), ♂             | Escambia Co.               | 6258 | (McD 4026)   |
| 12 | <i>Nemoria lixaria</i> (Guenée), ♂                 | Sarasota Co.: Siesta Key   | 7033 | (McD 4029)   |
| 13 | <i>Nemoria lixaria</i> (Guenée), ♀                 | Escambia Co.: Warrington   | 7033 | (McD 4029)   |
| 14 | <i>Scopula limboundata</i> (Haworth), ♀            | Escambia Co.               | 7159 | (McD 4149)   |
| 15 | <i>Nemoria lixaria</i> (Guenée), ♀                 | Escambia Co.: W. Pensacola | 7033 | (McD 4029)   |
| 16 | <i>Phrudocentra centrifugaria</i> (H.-S.), ♂       | Manatee Co.: Oneco         | 7051 | (McD 4081)   |
| 17 | <i>Ametris nitocris</i> (Cramer), ♂                | Monroe Co.: Plantation Key | 6259 | (McD 4027)   |
| 18 | <i>Dichorda iridaria latipennis</i> (Hulst), ♂     | Sarasota Co.: Siesta Key   | 7053 | (McD 4082)   |
| 19 | <i>Chloropteryx tepperaria</i> (Hulst), ♀          | Volusia Co.: Cassadaga     | 7075 | (McD 4102)   |
| 20 | <i>Chloropteryx paularia</i> (Möschler), ♂         | Sarasota Co.: Siesta Key   | 7077 | (McD 4093.1) |
| 21 | <i>Chlorochlamys chloroleucaria</i> (Guenée), ♂    | Sarasota Co.: Siesta Key   | 7071 | (McD 4096)   |
| 22 | <i>Lobocleta ossularia</i> (Geyer), ♂              | Sarasota Co.: Siesta Key   | 7094 | (McD 4115)   |
| 23 | <i>Lobocleta peralbata</i> (Packard), ♂            | Escambia Co.               | 7100 | (McD 4124)   |
| 24 | <i>Scopula aemulata</i> (Hulst), ♂                 | Alachua Co.: Gainesville   | 7151 | (McD 4141)   |
| 25 | <i>Scopula lautaria</i> (Hübner), ♂                | Alachua Co.: Gainesville   | 7149 | (McD 4167)   |
| 26 | <i>Idaea demissaria</i> (Hübner), ♂                | Volusia Co.: Cassadaga     | 7114 | (McD 4180)   |
| 27 | <i>Idaea hilliata</i> (Hulst), ♀                   | Sarasota Co.: Siesta Key   | 7118 | (McD 4184)   |
| 28 | <i>Idaea tactorata</i> (Walker), ♂                 | Alachua Co.: Gainesville   | 7122 | (McD 4190)   |
| 29 | <i>Idaea</i> sp., ♂                                | Escambia Co.               |      |              |
| 30 | <i>Idaea furciferata</i> (Packard), ♀              | Escambia Co.               | 7108 | (McD 4201)   |
| 31 | <i>Dyspteris abortivaria</i> (H.-S.), ♂            | New York                   | 7648 | (McD 4234)   |
| 32 | <i>Orthonama obstipata</i> (Fabricius), ♂          | Georgia                    | 7414 | (McD 4535)   |
| 33 | <i>Orthonama obstipata</i> (Fabricius), ♂          | Orange Co.: Orlando        | 7414 | (McD 4535)   |
| 34 | <i>Costaconvexa centrostrigaria</i> (Wollaston), ♀ | Gadsden Co.: Quincy        | 7416 | (McD 4559)   |
| 35 | <i>Anticlea multiferata</i> (Walker), ♂            | Escambia Co.               | 7330 | (McD 4561)   |
| 36 | <i>Eulithis diversilineata</i> (Hübner), ♂         | Escambia Co.               | 7196 | (McD 4401)   |
| 37 | <i>Eulithis gracilineata</i> (Guenée), ♀           | Escambia Co.               | 7197 | (McD 4401.3) |

(Originally, Kimball (1965) Plate 21)



**PLATE 35. HESPERIIDAE, SPHINGIDAE, SATURNIIDAE****HESPERIIDAE**

|   |   |                              |      |             |
|---|---|------------------------------|------|-------------|
| 1 | <i>Phocides pigmalion okeechobee</i> (Worth.) (♀)   | Monroe Co.: Key Largo        | 3865 | (McD 477)   |
| 2 | <i>Phocides p. okeechobee</i> (Worth.), ♀ (V)       | Monroe Co.: Key Largo        | 3865 | (McD 477)   |
| 3 | <i>Euphyes pilatka</i> (W. H. Edwards), ♂           | Levy Co.: Cedar Key          | 4071 | (McD 637)   |
| 4 | <i>Asbolis capucinus</i> (Lucas), ♂                 | Sarasota Co.: Siesta Key     | 4079 | (McD 683.1) |
| 5 | <i>Urbanus proteus</i> (Linnaeus), ♂                | Volusia Co.: Cassadaga       | 3886 | (McD 486)   |
| 6 | <i>Calpodus ethlius</i> (Stoll), ♂                  | Volusia Co.: Cassadaga       | 4115 | (McD 677)   |
| 7 | <i>Euphyes pilatka</i> (W. H. Edwards), ♀           | Levy Co.: Cedar Key          | 4071 | (McD 637)   |
| 8 | <i>Asbolis capucinus</i> (Lucas), ♀                 | Sarasota Co.: Siesta Key     | 4079 | (McD 683.1) |
| 9 | <i>Megathymus yuccae buchholzi</i> H. A. Freeman, ♀ | Indian River Co.: Vero Beach | 4145 | (McD 684)   |

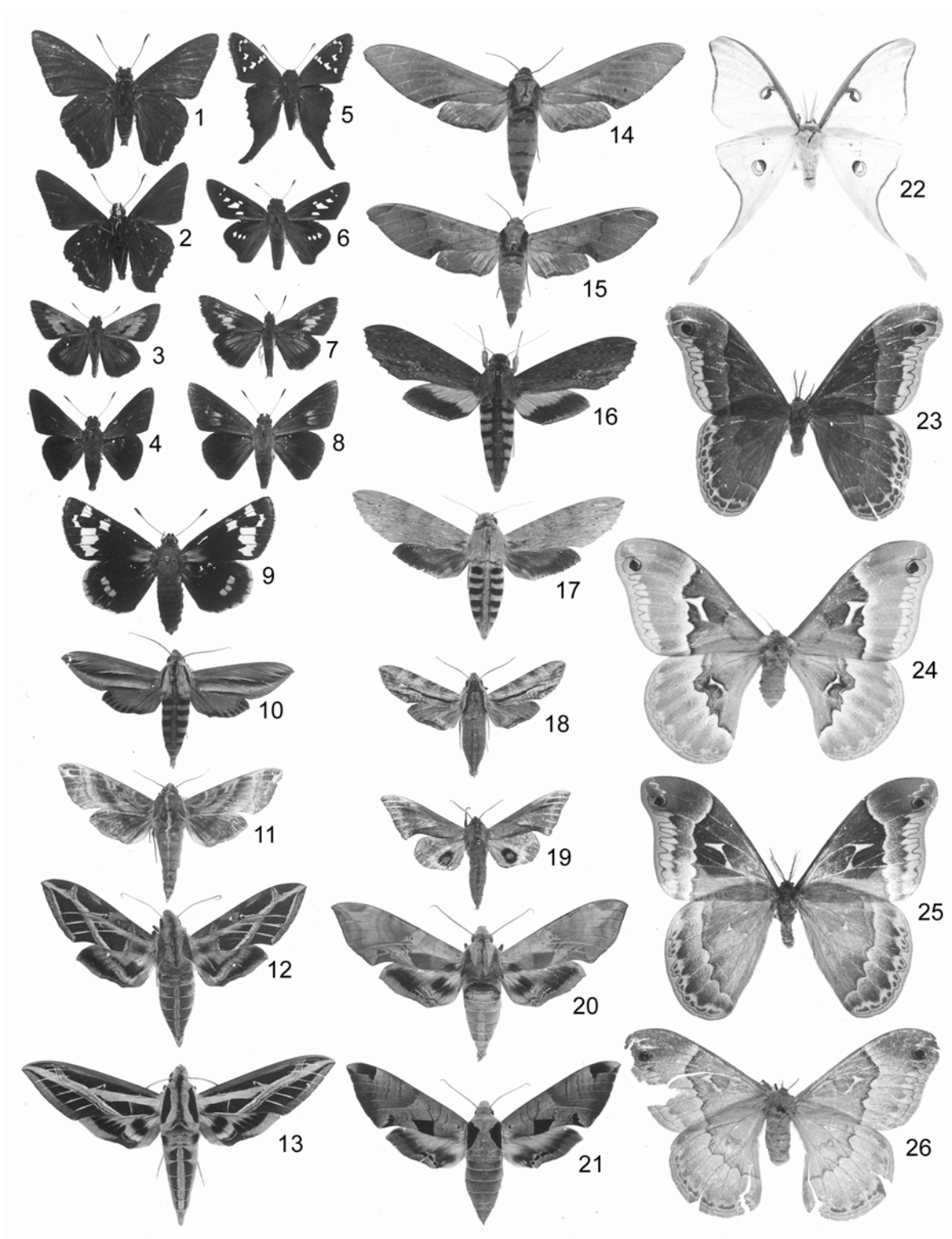
**SPHINGIDAE**

|    |   |                           |      |           |
|----|---|---------------------------|------|-----------|
| 10 | <i>Phryxus caicus</i> (Cramer), ♀                 | Monroe Co.: Flamingo, ENP | 7840 | (McD 755) |
| 11 | <i>Darapsa versicolor</i> (Harris), ♂             | Alachua Co.: Gainesville  | 7884 | (McD 778) |
| 12 | <i>Eumorpha vitis</i> (Linnaeus), ♀               | Dade Co.: Florida City    | 7864 | (McD 775) |
| 13 | <i>Eumorpha fasciata</i> (Sulzer), ♂              | Dade Co.: Homestead       | 7865 | (McD 776) |
| 14 | <i>Protambulyx carteri</i> Rothschild & Jordan, ♂ | Monroe Co.: Key Largo     | 7819 | (McD 738) |
| 15 | <i>Protambulyx carteri</i> Rothschild & Jordan, ♀ | Dade Co.: Homestead       | 7819 | (McD 738) |
| 16 | <i>Erinnyis alope</i> (Drury), ♀                  | Volusia Co.: Cassadaga    | 7832 | (McD 747) |
| 17 | <i>Erinnyis ello</i> (Linnaeus), ♀                | Monroe Co.: Key Largo     | 7834 | (McD 749) |
| 18 | <i>Erinnyis obscura</i> (Fabricius), ♂            | Collier Co.: Chokoloskee  | 7837 | (McD 752) |
| 19 | <i>Paonias astylus</i> (Drury), ♂                 | New York                  | 7826 | (McD 743) |
| 20 | <i>Eumorpha pandorus</i> (Hübner), ♀              | Georgia                   | 7859 | (McD 772) |
| 21 | <i>Eumorpha achemon</i> (Drury), ♀                | New York                  | 7861 | (McD 773) |

**SATURNIIDAE**

|    |   |                             |      |            |
|----|---|-----------------------------|------|------------|
| 22 | <i>Actias luna</i> (Linnaeus), ♂          | Alachua Co.: Gainesville    | 7758 | (McD 811)  |
| 23 | <i>Callosamia promethea</i> (Drury), ♂    | Pennsylvania                | 7764 | (McD 809)  |
| 24 | <i>Callosamia angulifera</i> (Walker), ♀  | New York                    | 7765 | (McD 810)  |
| 25 | <i>Callosamia securifera</i> (Maassen), ♂ | Highlands Co.: Parker's Id. | 7766 | (McD 810a) |
| 26 | <i>Callosamia securifera</i> (Maassen), ♀ | Gadsden Co.: Quincy         | 7766 | (McD 810a) |

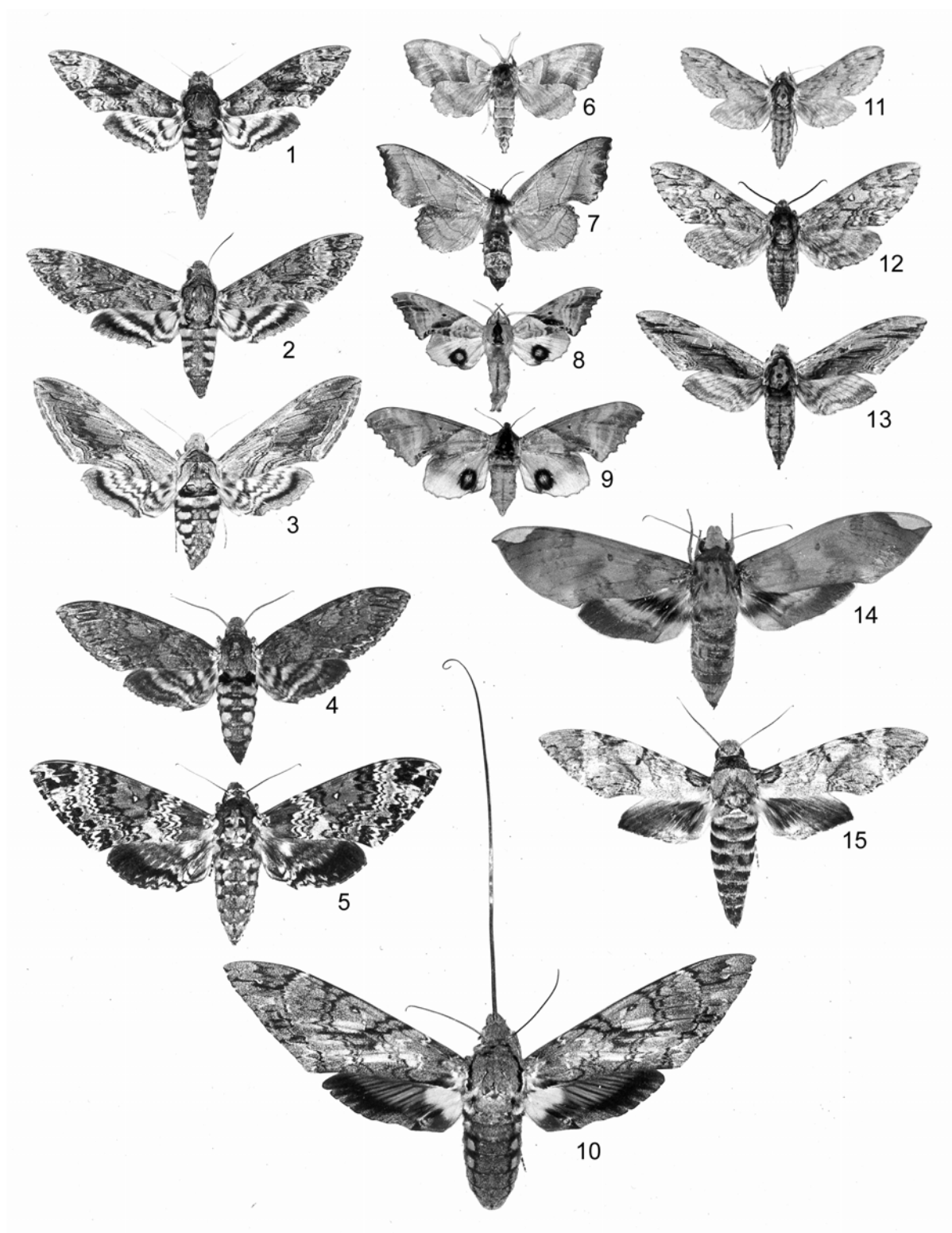
(all figures at 60%; originally, Kimball (1965) color Plate 2)



**PLATE 36. SPHINGIDAE**

|    |   |                             |      |           |
|----|---|-----------------------------|------|-----------|
| 1  | <i>Agrius cingulatus</i> (Fabricius), ♂     | Volusia Co.: Cassadaga      | 7771 | (McD 693) |
| 2  | <i>Agrius cingulatus</i> (Fabricius), ♀     | Dade Co.: Miami             | 7771 | (McD 693) |
| 3  | <i>Manduca quinquemaculata</i> (Haworth), ♀ | New York                    | 7776 | (McD 697) |
| 4  | <i>Manduca sexta</i> (Linnaeus), ♀          | Sarasota Co.: Siesta Key    | 7775 | (McD 696) |
| 5  | <i>Manduca rustica</i> (Fabricius), ♀       | Volusia Co.: Cassadaga      | 7778 | (McD 698) |
| 6  | <i>Laothoe juglandis</i> (J. E. Smith), ♂   | Manatee Co.: Oneco          | 7827 | (McD 744) |
| 7  | <i>Laothoe juglandis</i> (J. E. Smith), ♀   | Alachua Co.: Gainesville    | 7827 | (McD 744) |
| 8  | <i>Paonias excaecatus</i> (J. E. Smith), ♂  | Alachua Co.: Gainesville    | 7824 | (McD 741) |
| 9  | <i>Paonias excaecatus</i> (J. E. Smith), ♀  | Palm Beach Co.: Belle Glade | 7824 | (McD 741) |
| 10 | <i>Cocytius antaeus</i> (Drury), ♀          | Lake Co.: Eustis            | 7772 | (McD 694) |
| 11 | <i>Ceratomia catalpae</i> (Boisduval), ♀    | Alachua Co.: Gainesville    | 7789 | (McD 708) |
| 12 | <i>Ceratomia undulosa</i> (Walker), ♂       | New York                    | 7787 | (McD 707) |
| 13 | <i>Ceratomia amyntor</i> (Geyer), ♂         | New York                    | 7786 | (McD 706) |
| 14 | <i>Pachylia ficus</i> (Linnaeus), ♀         | Dade Co.: Homestead         | 7841 | (McD 756) |
| 15 | <i>Pseudosphinx tetrio</i> (Linnaeus), ♂    | Palm Beach Co.: Belle Glade | 7830 | (McD 746) |

(all figures at 60%; originally, Kimball (1965) Plate 7)



**PLATE 37. SPHINGIDAE, ARCTIIDAE**

## SPHINGIDAE

|   |  |                           |      |           |
|---|--|---------------------------|------|-----------|
| 1 | <i>Isoparce cupressi</i> (Boisduval), ♀    | Jefferson Co.: Monticello | 7791 | (McD 709) |
| 2 | <i>Lapara coniferarum</i> (J. E. Smith), ♂ | Georgia                   | 7816 | (McD 735) |
| 3 | <i>Lapara coniferarum</i> (J. E. Smith), ♀ | Volusia Co.: Cassadaga    | 7816 | (McD 735) |
| 4 | <i>Lapara coniferarum</i> (J. E. Smith), ♂ | Dade Co.: Coral Gables    | 7816 | (McD 735) |
| 5 | <i>Paratreia plebeja</i> (Fabricius), ♂    | Escambia Co.: Pensacola   | 7793 | (McD 711) |
| 6 | <i>Amphion floridensis</i> B. P. Clark, ♂  | New York                  | 7873 | (McD 785) |

## ARCTIIDAE

|   |  |                        |      |           |
|---|--|------------------------|------|-----------|
| 7 | <i>Cisseps fulvicollis</i> (Hübner), ♀ | Volusia Co.: Cassadaga | 8267 | (McD 871) |
|---|--|------------------------|------|-----------|

## SPHINGIDAE

|   |  |                          |      |           |
|---|--|--------------------------|------|-----------|
| 8 | <i>Proserpinus gaurae</i> (J. E. Smith), ♂ | Escambia Co.: Warrington | 7874 | (McD 786) |
| 9 | <i>Hemaris diffinis</i> (Boisduval), ♂     | Virginia                 | 7855 | (McD 770) |

## ARCTIIDAE

|    |                                       |                       |      |           |
|----|---------------------------------------|-----------------------|------|-----------|
| 10 | <i>Pseudocharis minima</i> (Grote), ♂ | Monroe Co.: Key Largo | 8286 | (McD 866) |
|----|---------------------------------------|-----------------------|------|-----------|

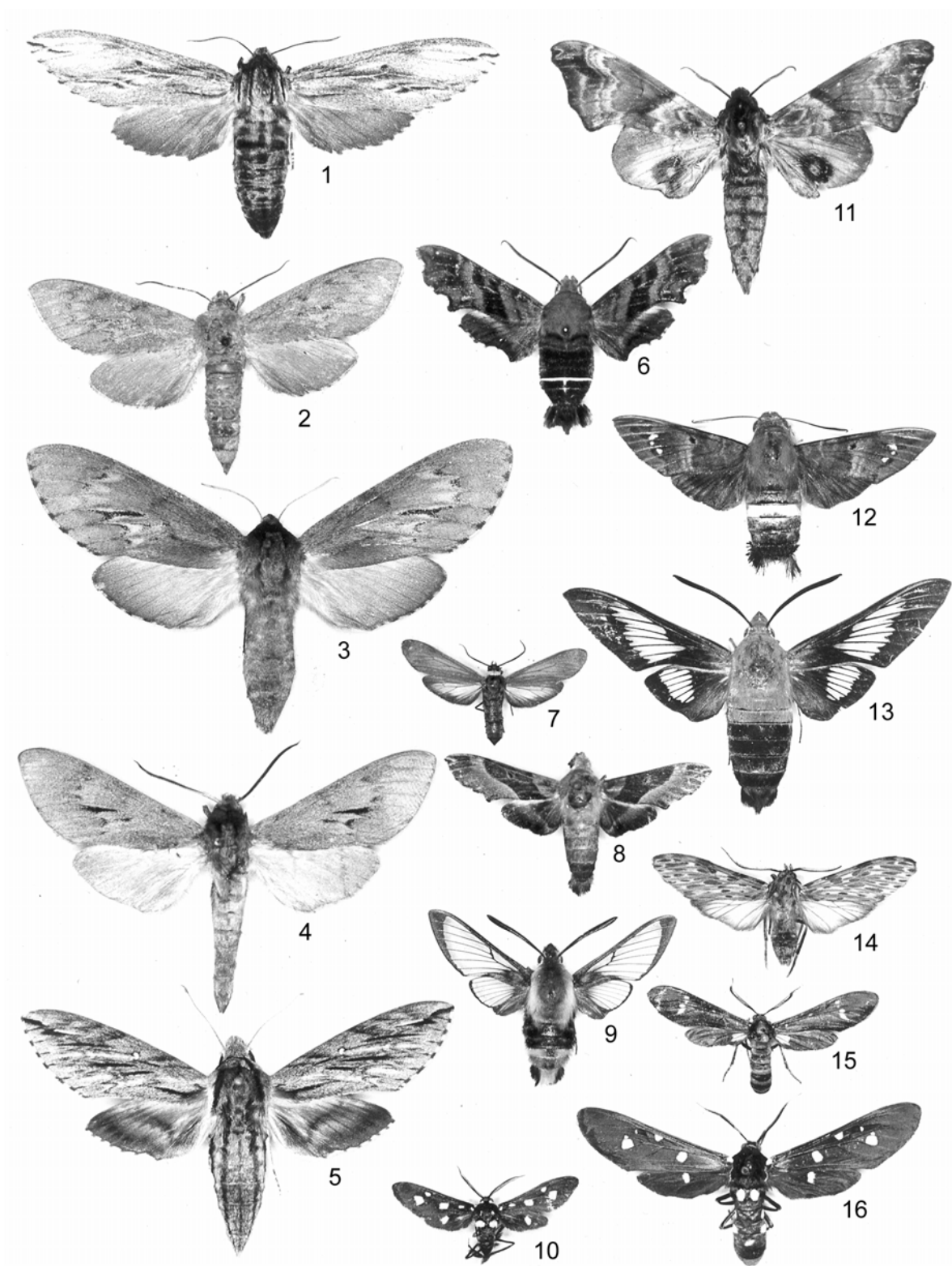
## SPHINGIDAE

|    |  |                          |      |           |
|----|--|--------------------------|------|-----------|
| 11 | <i>Paonias myops</i> (J. E. Smith), ♂  | Alachua Co.              | 7825 | (McD 742) |
| 12 | <i>Aellopus tantalus</i> (Linnaeus), ♂ | Dade Co.: Homestead      | 7847 | (McD 764) |
| 13 | <i>Hemaris thysbe</i> (Fabricius), ♂   | Alachua Co.: Gainesville | 7853 | (McD 767) |

## ARCTIIDAE

|    |  |                        |      |           |
|----|--|------------------------|------|-----------|
| 14 | <i>Nelphe carolina</i> (H. Edwards), ♂         | Seminole Co.: Sanford  | 8271 | (McD 869) |
| 15 | <i>Syntomeida ipomoeae</i> Harris, ♂           | Volusia Co.: Cassadaga | 8282 | (McD 863) |
| 16 | <i>Syntomeida epilais jucundissima</i> Dyar, ♀ | Volusia Co.: Cassadaga | 8284 | (McD 864) |

(Originally, Kimball (1965) Plate 8)





**PLATE 38. ARCTIIDAE, NOCTUIDAE, SATURNIIDAE, SPHINGIDAE****SPHINGIDAE**

|    |  |                          |      |           |
|----|--|--------------------------|------|-----------|
| 1  | <i>Dolba hyloeus</i> (Drury), ♀          | New York                 | 7784 | (McD 703) |
| 2  | <i>Enyo lugubris</i> (Linnaeus), ♀       | Volusia Co.: Cassadaga   | 7851 | (McD 760) |
| 3  | <i>Darapsa myron</i> (Cramer), ♂         | Highlands Co.: Childs    | 7885 | (McD 779) |
| 4  | <i>Darapsa pholus</i> (Cramer), ♂        | New York                 | 7886 | (McD 780) |
| 5  | <i>Deidamia inscripta</i> (Harris), ♀    | New York                 | 7871 | (McD 782) |
| 6  | <i>Cautethia grotei</i> H. Edwards, ♀    | Monroe Co.: Big Pine Key | 7867 | (McD 762) |
| 7  | <i>Xylophanes pluto</i> (Fabricius), ♂   | Monroe Co.: Key Largo    | 7887 | (McD 794) |
| 8  | <i>Smerinthus jamaicensis</i> (Drury), ♂ | Gadsden Co.: Quincy      | 7821 | (McD 739) |
| 9  | <i>Hyles lineata</i> (Fabricius), ♀      | Alachua Co.: Gainesville | 7894 | (McD 799) |
| 10 | <i>Xylophanes tersa</i> (Linnaeus), ♀    | Seminole Co.: Lake Helen | 7890 | (McD 797) |
| 11 | <i>Eumorphia labruscae</i> (Linnaeus), ♂ | Gadsden Co.: Quincy      | 7866 | (McD 777) |

**SATURNIIDAE**

|    |  |          |      |           |
|----|--|----------|------|-----------|
| 12 | <i>Hyalophora cecropia</i> (Linnaeus), ♂ | Missouri | 7767 | (McD 804) |
|----|--|----------|------|-----------|

**ARCTIIDAE**

|    |                                 |                              |      |           |
|----|---------------------------------|------------------------------|------|-----------|
| 13 | <i>Didasys belae</i> (Grote), ♀ | Citrus Co.: St. Andrews S.P. | 8281 | (McD 867) |
|----|---------------------------------|------------------------------|------|-----------|

**SATURNIIDAE**

|    |  |                       |      |           |
|----|--|-----------------------|------|-----------|
| 14 | <i>Citheronia regalis</i> (Fabricius), ♂ | Tennessee             | 7706 | (McD 856) |
| 15 | <i>Citheronia regalis</i> (Fabricius), ♀ |                       | 7706 | (McD 856) |
| 16 | <i>Eacles imperialis</i> (Drury), ♂      | Leon Co.: Tallahassee | 7704 | (McD 860) |
| 17 | <i>Eacles imperialis</i> (Drury), ♀      | Virginia              | 7704 | (McD 860) |

**SPHINGIDAE**

|    |   |                           |      |           |
|----|---|---------------------------|------|-----------|
| 18 | <i>Madoryx pseudothyreus</i> (Grote), ♂ | Monroe Co.: Flamingo, ENP | 7843 | (McD 758) |
|----|---|---------------------------|------|-----------|

**SATURNIIDAE**

|    |  |                          |      |           |
|----|--|--------------------------|------|-----------|
| 19 | <i>Automeris io</i> (Fabricius), ♂                   | Volusia Co.: Cassadaga   | 7746 | (McD 818) |
| 20 | <i>Automeris io</i> (Fabricius), ♀                   | Volusia Co.: Cassadaga   | 7746 | (McD 818) |
| 21 | <i>Anisota stigma</i> (Fabricius), ♂                 | New York                 | 7716 | (McD 842) |
| 22 | <i>Anisota stigma</i> (Fabricius), ♀                 | New York                 | 7716 | (McD 842) |
| 23 | <i>Anisota consularis</i> Dyar, ♂                    | Volusia Co.: Cassadaga   | 7718 | (McD 845) |
| 24 | <i>Anisota consularis</i> Dyar, ♀                    | Volusia Co.: Cassadaga   | 7718 | (McD 845) |
| 25 | <i>Anisota consularis</i> Dyar, ♀                    | Volusia Co.: Cassadaga   | 7718 | (McD 845) |
| 26 | <i>Anisota virginienensis</i> (Drury), ♀             | New York                 | 7723 | (McD 846) |
| 27 | <i>Anisota virginienensis</i> (Drury), ♂ "pellucida" | Alachua Co.: Gainesville | 7723 | (McD 846) |
| 28 | <i>Anisota virginienensis</i> (Drury), ♀ "pellucida" | Alachua Co.: Gainesville | 7723 | (McD 846) |
| 29 | <i>Dryocampa rubicunda</i> (Fabricius), ♂            | Volusia Co.: Cassadaga   | 7715 | (McD 848) |
| 30 | <i>Dryocampa rubicunda</i> (Fabricius), ♀            | Volusia Co.: Cassadaga   | 7715 | (McD 848) |

**ARCTIIDAE**

|    |                                    |                     |      |           |
|----|------------------------------------|---------------------|------|-----------|
| 31 | <i>Lymire edwardsii</i> (Grote), ♂ | Dade Co.: Homestead | 8270 | (McD 870) |
|----|------------------------------------|---------------------|------|-----------|

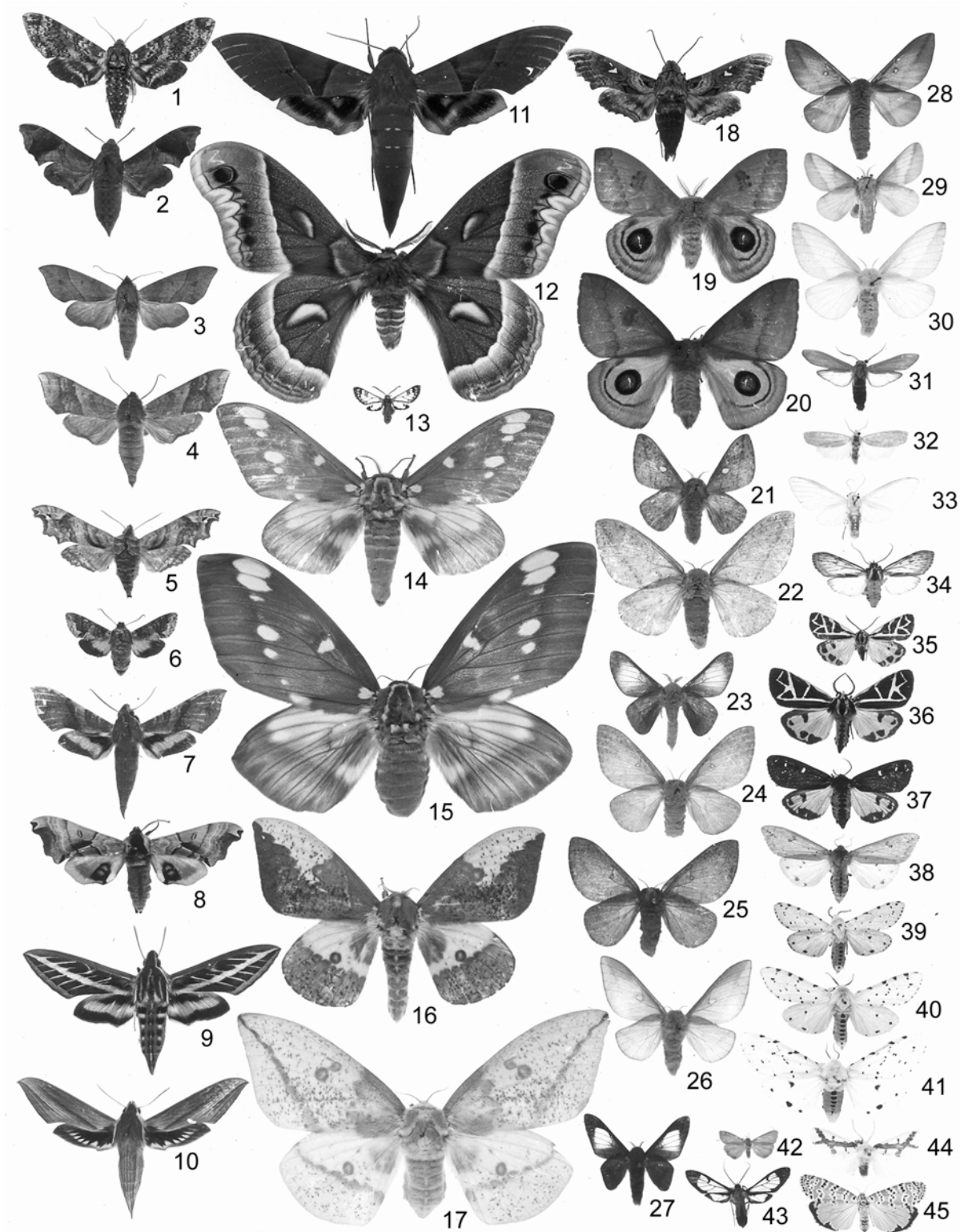
**NOCTUIDAE**

|    |                                   |                    |      |           |
|----|-----------------------------------|--------------------|------|-----------|
| 32 | <i>Palpudia pallidior</i> Dyar, ♀ | Lee Co.: Ft. Myers | 8517 | (McD 953) |
|----|-----------------------------------|--------------------|------|-----------|

**ARCTIIDAE**

|    |   |                            |      |            |
|----|---|----------------------------|------|------------|
| 33 | <i>Eupseudosoma involutum floridum</i> Grote, ♀ | Lee Co.: Ft. Myers         | 8257 | (McD 968)  |
| 34 | <i>Calidota laqueata</i> (H. Edwards), ♂        | Monroe Co.: Plantation Key | 8224 | (McD 969)  |
| 35 | <i>Grammia phyllira</i> (Drury), ♂              | Volusia Co.: Cassadaga     | 8194 | (McD 1054) |
| 36 | <i>Grammia placentia</i> (J. E. Smith), ♂       | Volusia Co.: Cassadaga     | 8191 | (McD 1057) |
| 37 | <i>Grammia placentia</i> (J. E. Smith), ♀       | Volusia Co.: Cassadaga     | 8191 | (McD 1057) |
| 38 | <i>Pyrrharctia isabella</i> (J. E. Smith), ♂    | Escambia Co.               | 8129 | (McD 1069) |
| 39 | <i>Estigmene acrea</i> (Drury), ♂               | Manatee Co.: Bradenton     | 8131 | (McD 1070) |
| 40 | <i>Estigmene acrea</i> (Drury), ♂               | New York                   | 8131 | (McD 1070) |
| 41 | <i>Estigmene acrea</i> (Drury), ♀               | Escambia Co.               | 8131 | (McD 1070) |
| 42 | <i>Holomelina aurantiaca</i> (Hübner), ♂        | Alachua Co.                | 8121 | (McD 1019) |
| 43 | <i>Cosmosoma myrodora</i> Dyar, ♀               | Escambia Co.               | 8280 | (McD 861)  |
| 44 | <i>Euerythra phasma</i> Harvey, ♂               | Escambia Co.               | 8141 | (McD 1078) |
| 45 | <i>Utetheisa bella</i> (Linnaeus), ♀            | Alachua Co.: Gainesville   | 8106 | (McD 1099) |

(all figures at 50%; originally, Kimball (1965) color Plate 3)



**PLATE 39. ARCTIIDAE, NOCTUIDAE****ARCTIIDAE**

|   |                                       |                        |      |           |
|---|---------------------------------------|------------------------|------|-----------|
| 1 | <i>Crambidia lithosioides</i> Dyar, ♂ | Volusia Co.: Cassadaga | 8045 | (McD 907) |
| 2 | <i>Crambidia lithosioides</i> Dyar, ♀ | Volusia Co.: Cassadaga | 8045 | (McD 907) |

**NOCTUIDAE**

|   |                                     |              |      |           |
|---|-------------------------------------|--------------|------|-----------|
| 3 | <i>Nigetia formosalis</i> Walker, ♂ | Escambia Co. | 8440 | (McD 896) |
|---|-------------------------------------|--------------|------|-----------|

**ARCTIIDAE**

|    |                                       |                           |        |           |
|----|---------------------------------------|---------------------------|--------|-----------|
| 4  | <i>Pagara simplex</i> Walker, ♂       | Volusia Co.: Cassadaga    | 8243.1 | (McD 918) |
| 5  | <i>Cisthene tenuifascia</i> Harvey, ♂ | Jefferson Co.: Monticello | 8066   | (McD 934) |
| 6  | <i>Cisthene striata</i> Ottolengue, ♂ | Sarasota Co.: Siesta Key  | 8068   | (McD 942) |
| 7  | <i>Cisthene subjecta</i> Walker, ♂    | Sarasota Co.: Siesta Key  | 8071   | (McD 944) |
| 8  | <i>Cisthene plumbea</i> Stretch, ♂    | Escambia Co.: Warrington  | 8067   | (McD 947) |
| 9  | <i>Clemensia albata</i> Packard, ♂    | Volusia Co.: Glenwood     | 8098   | (McD 952) |
| 10 | <i>Hypoprepia miniata</i> (Kirby), ♂  | New York                  | 8089   | (McD 958) |
| 11 | <i>Hypoprepia miniata</i> (Kirby), ♀  | Colorado                  | 8089   | (McD 958) |
| 12 | <i>Hypoprepia fucosa</i> Hübner, ♂    | Sarasota Co.: Siesta Key  | 8090   | (McD 959) |
| 13 | <i>Hypoprepia fucosa</i> Hübner, ♀    | Volusia Co.: Cassadaga    | 8090   | (McD 959) |

**NOCTUIDAE**

|    |                                |                          |        |           |
|----|--------------------------------|--------------------------|--------|-----------|
| 14 | <i>Nola cereella</i> (Bosc), ♂ | Sarasota Co.: Siesta Key | 8991   | (McD 889) |
| 15 | <i>Afrida ydatodes</i> Dyar, ♂ | Escambia Co.             | 8973.1 | (McD 931) |

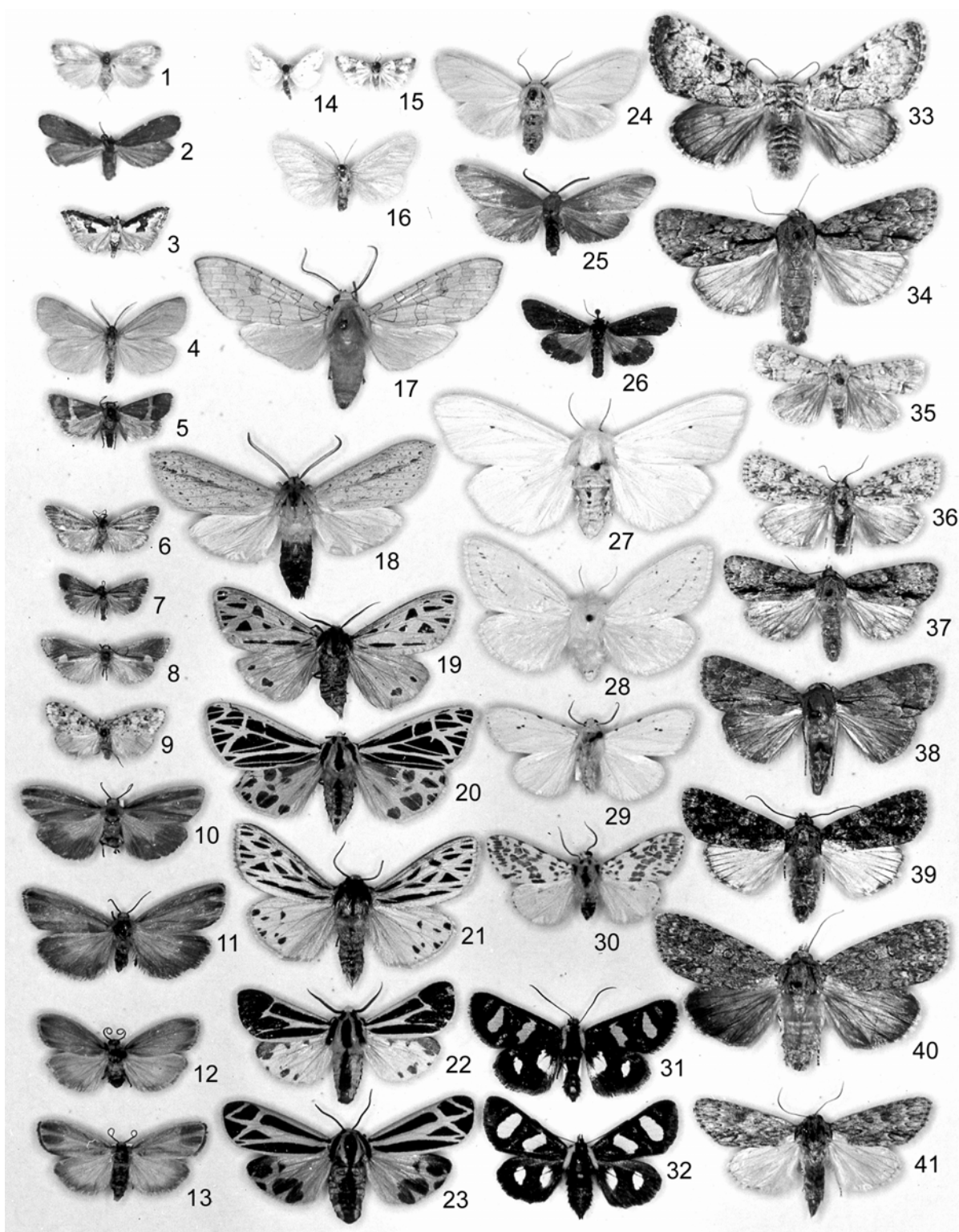
**ARCTIIDAE**

|    |  |                           |      |            |
|----|--|---------------------------|------|------------|
| 16 | <i>Neoplynes eudora</i> (Dyar), ♀                      | Dade Co.: Homestead       | 8101 | (McD 920)  |
| 17 | <i>Halysidota tessellaris</i> (J. E. Smith), ♂         | Highlands Co.: Childs     | 8203 | (McD 984)  |
| 18 | <i>Leucanopsis longa</i> (Grote), ♂                    | Volusia Co.: Cassadaga    | 8217 | (McD 987)  |
| 19 | <i>Grammia doris</i> (Boisduval), ♂                    | Jefferson Co.: Monticello | 8198 | (McD 1037) |
| 20 | <i>Grammia doris</i> (Boisduval), ♂                    | Alachua Co.               | 8198 | (McD 1037) |
| 21 | <i>Grammia arge</i> (Drury), ♂                         | New York                  | 8199 | (McD 1038) |
| 22 | <i>Apantesis nais</i> (Drury), ♂                       | Alachua Co.: Gainesville  | 8171 | (McD 1058) |
| 23 | <i>Apantesis phalerata</i> (Harris), ♀                 | Volusia Co.: Cassadaga    | 8169 | (McD 1061) |
| 24 | <i>Pareuchaetes insulata</i> (Walker), ♀               | Volusia Co.: Cassadaga    | 8227 | (McD 990)  |
| 25 | <i>Pygarctia abdominalis</i> Grote, ♂                  | Highlands Co.: Childs     | 8255 | (McD 1008) |
| 26 | <i>Holomelina laeta</i> (Guérin-Ménéville), ♀          | Volusia Co.: Cassadaga    | 8114 | (McD 1016) |
| 27 | <i>Spilosoma virginica</i> (Fabricius), ♂              | Volusia Co.: Cassadaga    | 8137 | (McD 1065) |
| 28 | <i>Spilosoma congrua</i> Walker, ♀                     | Alachua Co.: Gainesville  | 8134 | (McD 1073) |
| 29 | <i>Hyphantria cunea</i> (Drury) (f. <i>textor</i> ), ♂ | Monroe Co.: Key Largo     | 8140 | (McD 1074) |
| 30 | <i>Hyphantria cunea</i> (Drury), ♀                     | Volusia Co.: Cassadaga    | 8140 | (McD 1075) |

**NOCTUIDAE**

|    |  |                          |      |            |
|----|--|--------------------------|------|------------|
| 31 | <i>Alypia wittfeldii</i> H. Edwards, ♀ | Dade Co.: Florida City   | 9316 | (McD 1114) |
| 32 | <i>Alypia wittfeldii</i> H. Edwards, ♂ | Alachua Co.: Gainesville | 9316 | (McD 1114) |
| 33 | <i>Charadra deridens</i> (Guenée), ♂   | Alachua Co.: Gainesville | 9189 | (McD 1136) |
| 34 | <i>Acronicta hasta</i> Guenée, ♂       | Gadsden Co.: Quincy      | 9229 | (McD 1176) |
| 35 | <i>Acronicta vinnula</i> (Grote), ♂    | Manatee Co.: Bradenton   | 9225 | (McD 1172) |
| 36 | <i>Acronicta retardata</i> (Walker), ♂ | Volusia Co.: Cassadaga   | 9251 | (McD 1195) |
| 37 | <i>Acronicta connecta</i> Grote, ♂     | Alachua Co.: Gainesville | 9219 | (McD 1167) |
| 38 | <i>Acronicta tritona</i> (Hübner), ♂   | Alachua Co.: Gainesville | 9211 | (McD 1159) |
| 39 | <i>Acronicta afflicta</i> Grote, ♂     | New Jersey               | 9254 | (McD 1198) |
| 40 | <i>Acronicta impleta</i> Walker, ♀     | Volusia Co.: Cassadaga   | 9257 | (McD 1201) |
| 41 | <i>Acronicta longa</i> Guenée, ♂       | Alachua Co.              | 9264 | (McD 1207) |

(all figures at 95%; originally, Kimball (1965) Plate 9)



**PLATE 40. ARCTIIDAE, COSSIDAE, NOCTUIDAE, SATURNIIDAE**

## ARCTIIDAE

1 *Seirarctia echo* (J. E. Smith), ♂ Volusia Co.: Cassadaga 8130 (McD 1091)

## SATURNIIDAE

2 *Hemileuca maia* (Drury), ♂ Volusia Co.: Cassadaga 7730 (McD 830)

## ARCTIIDAE

3 *Hypercompe scribonia* (Stoll), ♀ Escambia Co. 8146 (McD 1085)

## SATURNIIDAE

4 *Citheronia sepulcralis* Grote & Robinson, ♂ Volusia Co.: Cassadaga 7708 (McD 858)

## NOCTUIDAE

5 *Catocala innubens* Guenée, ♂ New York 8770 (McD 3311)

6 *Catocala micronympha* Guenée (f. *hero*), ♀ Alachua Co.: Gainesville 8876 (McD 3410)

7 *Catocala ultronia* (Hübner), ♂ Alachua Co.: Gainesville 8857 (McD 3395)

8 *Catocala ultronia* (Hübner), ♀ North Carolina 8857 (McD 3395)

9 *Catocala muliercula* Guenée, ♂ Volusia Co.: Cassadaga 8774 (McD 3315)

10 *Catocala consors* (J. E. Smith), ♂ Volusia Co.: Cassadaga 8772 (McD 3313)

## SATURNIIDAE

11 *Antheraea polyphemus* (Cramer), ♂ Alachua Co.: Gainesville 7757 (McD 812)

12 *Citheronia sepulcralis* Grote & Robinson, ♂ Alachua Co.: Gainesville 7708 (McD 858)

## NOCTUIDAE

13 *Catocala epione* (Drury), ♀ Escambia Co.: Pensacola 8773 (McD 3314)

14 *Catocala neogama* (J. E. Smith), ♀ New York [not in Florida] 8798 (McD 3339)

15 *Catocala agrippina* Strecker, ♂ Alachua Co.: Gainesville 8787 (McD 3328)

16 *Catocala vidua* (J. E. Smith), ♂ New York 8792 (McD 3333)

17 *Catocala maestosa* Hulst, ♀ Bradford Co.: Starke 8793 (McD 3334)

18 *Catocala clintoni* Grote, ♀ Alachua Co.: Gainesville 8872 (McD 3406)

19 *Catocala umbrosa* Brou, ♂ PT Alachua Co.: Gainesville 8801.1 (McD 3342)

20 *Catocala ilia* (Cramer), ♀ Volusia Co.: Cassadaga 8801 (McD 3342)

21 *Catocala carissima* Hulst, ♂ Alachua Co.: Gainesville 8832.1 (McD 3372a)

22 *Catocala coccinata* Grote, ♂ Connecticut 8851 (McD 3389)

23 *Eudocima materna* (Linnaeus), ♀ Palm Beach Co.: Belle Glade 8543 (McD 3416)

24 *Hemeroblemma opigena* (Drury), ♂ Alachua Co.: Gainesville 8645 (McD 3523)

25 *Latebraria amphipyroides* Guenée, ♂ Cuba 8646 (McD 3524)

26 *Ascalapha odorata* (Linnaeus), ♂ Alachua Co.: Gainesville 8649 (McD 3525)

27 *Orodesma apicina* Herrich-Schäffer, ♀ Monroe Co.: Flamingo, ENP 8644 (McD 3563.1)

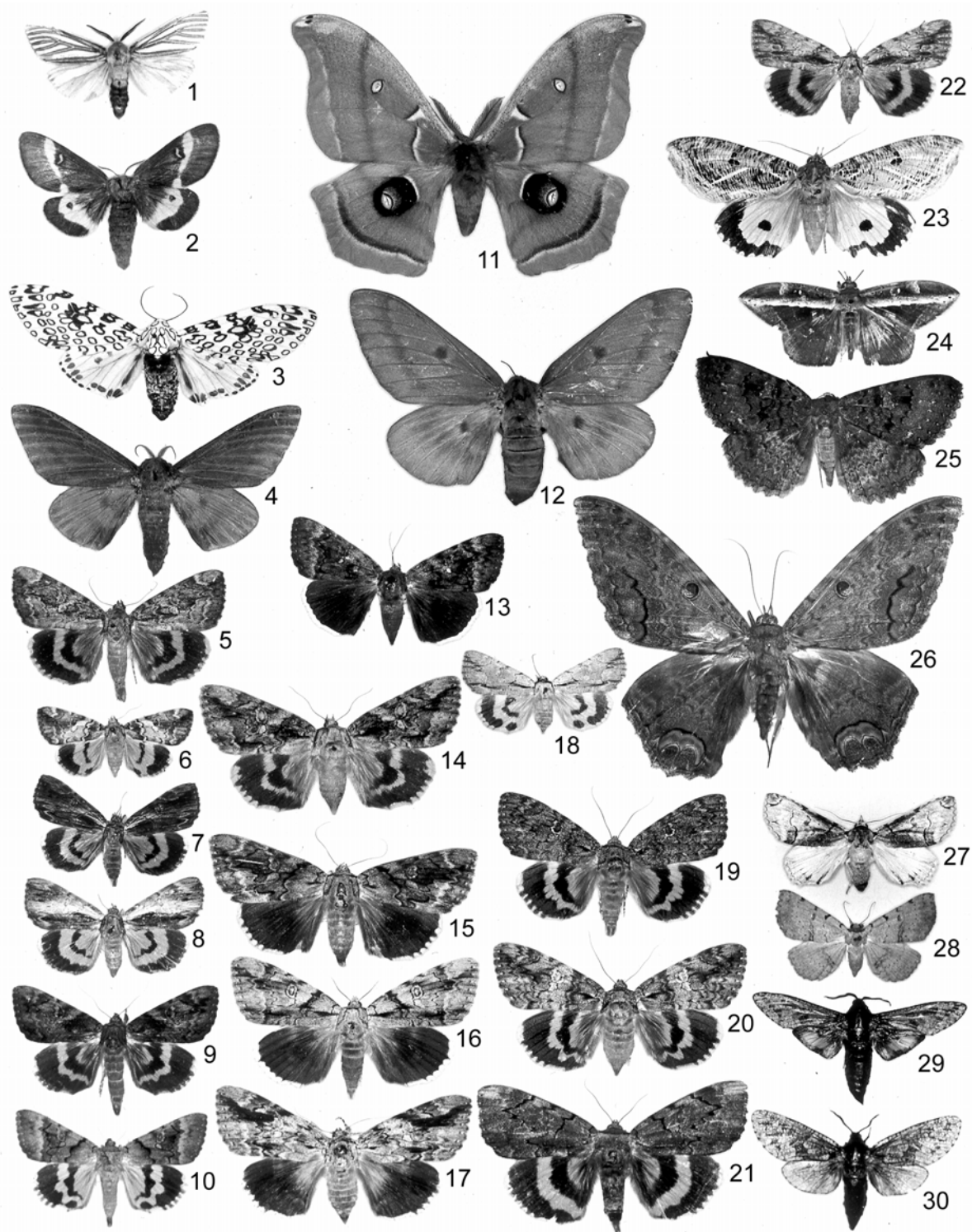
28 *Spiloloma lunilinea* Grote, ♀ Virginia 8769 (McD 3595)

## COSSIDAE

29 *Prionoxystus robiniae* (Peck), ♂ Seminole Co.: Sanford 2693 (McD 7670)

30 *Prionoxystus robiniae* (Peck), ♀ Volusia Co.: Cassadaga 2693 (McD 7670)

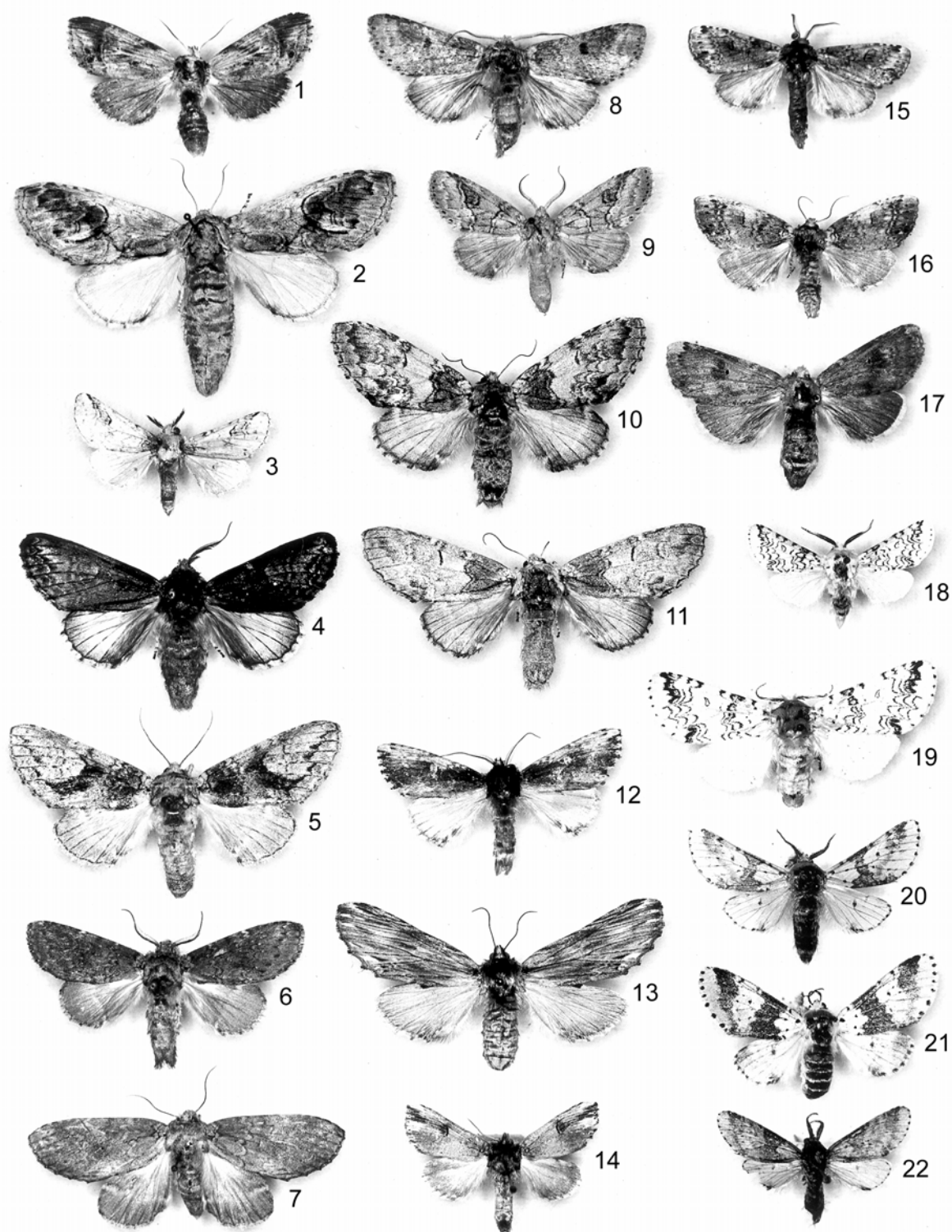
(all figures at 60%; originally, Kimball (1965) Plate 10)



**PLATE 41. NOTODONTIDAE**

|    |   |                                 |      |            |
|----|---|---------------------------------|------|------------|
| 1  | <i>Dasylophia anguina</i> (J. E. Smith), ♀    | Volusia Co.: Cassadaga          | 7957 | (McD 3880) |
| 2  | <i>Heterocampa cubana</i> Grote, ♀            | Monroe Co.: Key Largo           | 7984 | (McD 3893) |
| 3  | <i>Litodonta hydromeli</i> Harvey, ♂          | Monroe Co.: Tavernier           | 7968 | (McD 3883) |
| 4  | <i>Heterocampa umbrata</i> Walker, ♂          | Gadsden Co.: Quincy             | 7990 | (McD 3902) |
| 5  | <i>Heterocampa umbrata</i> Walker, ♀          | Volusia Co.: Cassadaga          | 7990 | (McD 3902) |
| 6  | <i>Heterocampa biundata</i> Walker, ♂         | Highlands Co.: Childs           | 7995 | (McD 3906) |
| 7  | <i>Heterocampa biundata</i> Walker, ♀         | Alachua Co.: Gainesville        | 7995 | (McD 3906) |
| 8  | <i>Lochmaeus manteo</i> Doubleday, ♂          | Escambia Co.                    | 7998 | (McD 3905) |
| 9  | <i>Lochmaeus bilineata exsanguis</i> Dyar, ♂  | Volusia Co.: Cassadaga          | 7999 | (McD 3908) |
| 10 | <i>Macrurocampa marthesia</i> (Cramer), ♀     | New York                        | 7975 | (McD 3910) |
| 11 | <i>Macrurocampa marthesia</i> (Cramer), ♀     | Sarasota Co.: Siesta Key        | 7975 | (McD 3910) |
| 12 | <i>Schizura ipomoeae</i> Doubleday, ♂         | New York                        | 8005 | (McD 3920) |
| 13 | <i>Oligocentria lignicolor</i> (Walker), ♀    | New York                        | 8017 | (McD 3912) |
| 14 | <i>Schizura badia</i> (Packard), ♂            | New York                        | 8006 | (McD 3923) |
| 15 | <i>Schizura unicornis</i> (J. E. Smith), ♂    | Escambia Co.: W. Pensacola      | 8007 | (McD 3924) |
| 16 | <i>Schizura unicornis</i> (J. E. Smith), ♀    | Volusia Co.: Cassadaga          | 8007 | (McD 3924) |
| 17 | <i>Schizura leptinoides</i> (Grote), ♀        | Hernando Co.: Weekiwachee Spgs. | 8011 | (McD 3927) |
| 18 | <i>Cerura scitisscripta</i> Walker, ♂         | Volusia Co.: Cassadaga          | 7942 | (McD 3929) |
| 19 | <i>Cerura scitisscripta</i> Walker, ♀         | Palm Beach Co.: Belle Glade     | 7942 | (McD 3929) |
| 20 | <i>Furcula borealis</i> (Guérin-Méneville), ♂ | New York                        | 7936 | (McD 3933) |
| 21 | <i>Furcula borealis</i> (Guérin-Méneville), ♀ | Alachua Co.: Gainesville        | 7936 | (McD 3933) |
| 22 | <i>Furcula cinerea</i> (Walker), ♂            | Dade Co.: Homestead             | 7937 | (McD 3935) |

(all figures at 105%; originally, Kimball (1965) Plate 20)





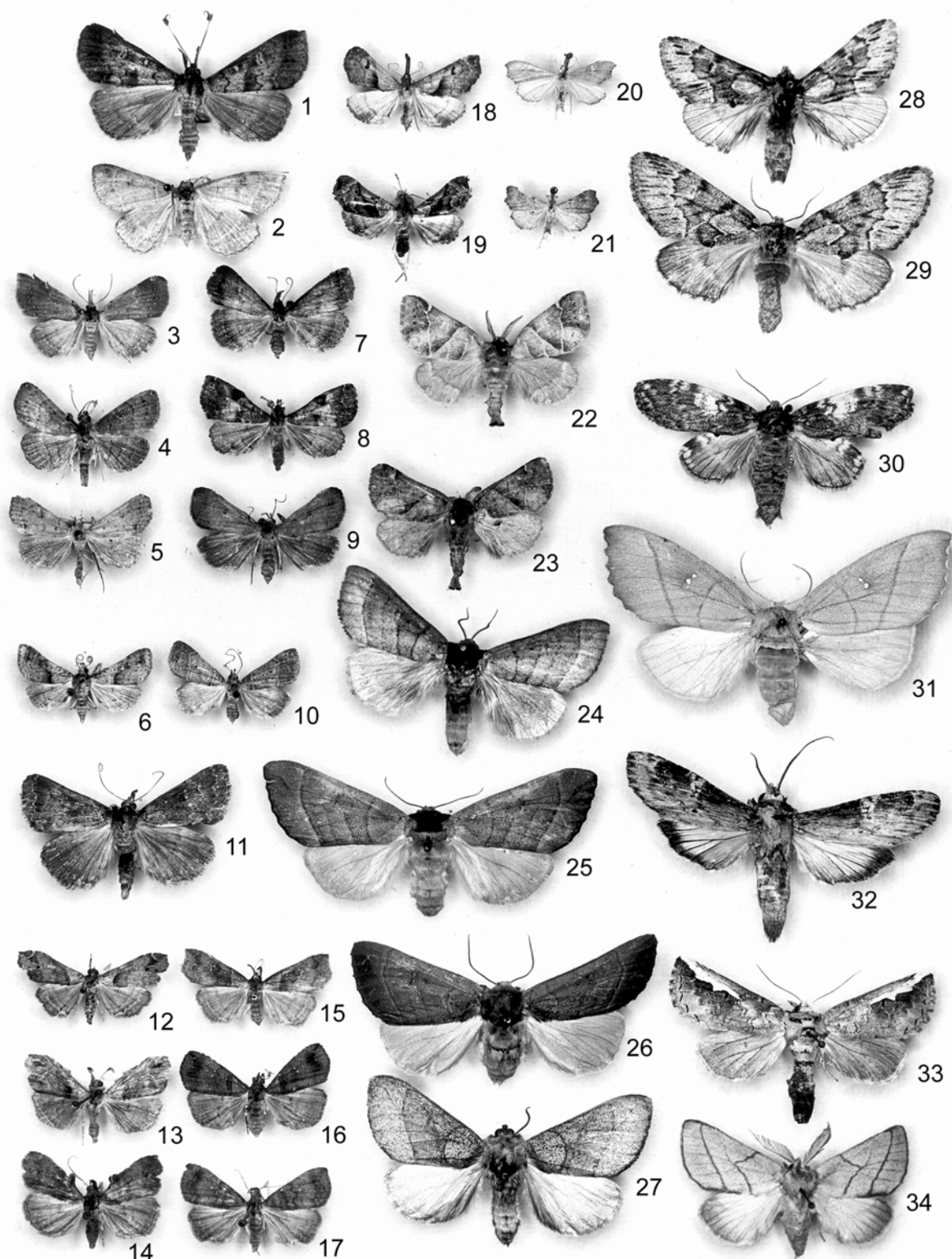
**PLATE 42. NOCTUIDAE, NOTODONTIDAE****NOCTUIDAE**

|    |  |                          |        |              |
|----|--|--------------------------|--------|--------------|
| 1  | <i>Renia discoloralis</i> Guenée, ♀      | New York                 | 8381   | (McD 3785)   |
| 2  | <i>Renia flavipunctalis</i> (Geyer), ♀   | Alachua Co.: Gainesville | 8384.1 | (McD 3789)   |
| 3  | <i>Renia fraternalis</i> J. B. Smith, ♀  | Volusia Co.: Cassadaga   | 8385   | (McD 3792)   |
| 4  | <i>Carteris oculatalis</i> (Möschler), ♂ | Dade Co.: Homestead      | 8391   | (McD 3796.2) |
| 5  | <i>Bleptina inferior</i> Grote, ♂        | Sarasota Co.: Siesta Key | 8371   | (McD 3799)   |
| 6  | <i>Bleptina caradrinalis</i> Guenée, ♂   | Sarasota Co.: Siesta Key | 8370   | (McD 3797)   |
| 7  | <i>Renia sobrialis</i> (Walker), ♀       | Massachusetts            | 8387   | (McD 3793)   |
| 8  | <i>Phlyctaina irrigualis</i> Möschler, ♂ | Jamaica                  | 8392   | (McD 3796.1) |
| 9  | <i>Bleptina inferior</i> Grote, ♀        | Sarasota Co.: Siesta Key | 8371   | (McD 3799)   |
| 10 | <i>Bleptina hydrillalis</i> Guenée, ♀    | Sarasota Co.: Siesta Key | 8375   | (McD 3802.1) |
| 11 | <i>Hypenula cacuminalis</i> (Walker), ♂  | Volusia Co.: Cassadaga   | 8376   | (McD 3803)   |
| 12 | <i>Lascoria ambigualis</i> (Walker), ♂   | Escambia Co.             | 8393   | (McD 3805)   |
| 13 | <i>Lascoria alucitalis</i> (Guenée), ♂   | Sarasota Co.: Siesta Key | 8395   | (McD 3805.1) |
| 14 | <i>Lascoria orneodalis</i> (Guenée), ♂   | Sarasota Co.: Siesta Key | 8396   | (McD 3805.2) |
| 15 | <i>Lascoria ambigualis</i> (Walker), ♀   | Escambia Co.             | 8393   | (McD 3805)   |
| 16 | <i>Lascoria alucitalis</i> (Guenée), ♀   | Sarasota Co.: Siesta Key | 8395   | (McD 3805.1) |
| 17 | <i>Lascoria orneodalis</i> (Guenée), ♀   | Sarasota Co.: Siesta Key | 8396   | (McD 3805.2) |
| 18 | <i>Palthis angulalis</i> Hübner, ♀       | Volusia Co.: Cassadaga   | 8397   | (McD 3807)   |
| 19 | <i>Palthis asopialis</i> (Guenée), ♂     | Alachua Co.: Gainesville | 8398   | (McD 3808)   |
| 20 | <i>Redectis vitrea</i> (Grote), ♀        | Volusia Co.: Cassadaga   | 8401   | (McD 3810)   |
| 21 | <i>Redectis pygmaea</i> (Grote), ♂       | Sarasota Co.: Siesta Key | 8400   | (McD 3811)   |

**NOTODONTIDAE**

|    |  |                                 |      |            |
|----|--|---------------------------------|------|------------|
| 22 | <i>Clostera inclusa</i> (Hübner), ♂                | New York                        | 7896 | (McD 3825) |
| 23 | <i>Clostera inclusa jocosa</i> H. Edwards, ♂       | Highlands Co.: Childs           | 7896 | (McD 3825) |
| 24 | <i>Datana major</i> Grote & Robinson, ♂            | Escambia Co.                    | 7905 | (McD 3832) |
| 25 | <i>Datana major</i> Grote & Robinson, ♀            | Alachua Co.: Gainesville        | 7905 | (McD 3832) |
| 26 | <i>Datana ranaeiceps</i> (Guérin-Méneville), ♀     | Highlands Co.: Childs           | 7911 | (McD 3834) |
| 27 | <i>Datana robusta</i> Strecker, ♂                  | Manatee Co.: Bradenton          | 7909 | (McD 3837) |
| 28 | <i>Hyperaeschra georgica</i> (Herrich-Schäffer), ♂ | Hernando Co.: Weekiwachee Spgs. | 7917 | (McD 3845) |
| 29 | <i>Hyperaeschra georgica</i> (Herrich-Schäffer), ♀ | Volusia Co.: Cassadaga          | 7917 | (McD 3845) |
| 30 | <i>Peridea angulosa</i> (J. E. Smith), ♀           | Manatee Co.: Oneco              | 7920 | (McD 3854) |
| 31 | <i>Nadata gibbosa</i> (J. E. Smith), ♀             | New York                        | 7915 | (McD 3857) |
| 32 | <i>Nystalea eutalanta</i> Dyar, ♂                  | Dade Co.: Homestead             | 7947 | (McD 3856) |
| 33 | <i>Symmerista albifrons</i> (J. E. Smith), ♀       | Volusia Co.: Cassadaga          | 7951 | (McD 3859) |
| 34 | <i>Hyparpax perophoroides</i> (Strecker), ♂        | Volusia Co.: Cassadaga          | 8026 | (McD 3866) |

(all figures at 105%; originally, Kimball (1965) Plate 19)



**PLATE 43. NOCTUIDAE, NOTODONTIDAE, LASIOCAMPIDAE, DREPANIDAE, GEOMETRIDAE****NOCTUIDAE**

|   |  |                           |      |            |
|---|--|---------------------------|------|------------|
| 1 | <i>Caenurgia chloropha</i> (Hübner), ♂ | Hillsborough Co.: Stemper | 8733 | (McD 3432) |
| 2 | <i>Mocis marcida</i> (Guenée), ♂       | Hillsborough Co.: Stemper | 8744 | (McD 3434) |
| 3 | <i>Mocis texana</i> (Morrison), ♂      | Texas?                    | 8745 | (McD 3435) |
| 4 | <i>Mocis disseverans</i> (Walker), ♂   | Hillsborough Co.: Stemper | 8746 | (McD 3436) |
| 5 | <i>Mocis latipes</i> (Guenée), ♂       | Texas                     | 8743 | (McD 3438) |

**NOTODONTIDAE**

|   |   |                        |      |            |
|---|---|------------------------|------|------------|
| 6 | <i>Heterocampa astarte</i> Doubleday, ♂ | Volusia Co.: Cassadaga | 7977 | (McD 3888) |
| 7 | <i>Heterocampa varia</i> Walker, ♀      | Volusia Co.: Cassadaga | 7982 | (McD 3890) |

**NOCTUIDAE**

|    |   |                          |      |            |
|----|---|--------------------------|------|------------|
| 8  | <i>Diphthera festiva</i> (Fabricius), ♀     | Escambia Co.             | 8560 | (McD 3601) |
| 9  | <i>Kakopoda cincta</i> J. B. Smith, ♂       | Collier Co.: Chokoloskee | 8669 | (McD 3516) |
| 10 | <i>Diastema tigris</i> Guenée, ♀            | Volusia Co.: Cassadaga   | 9067 | (McD 3134) |
| 11 | <i>Ephyrodes cacata</i> Guenée, ♂           | Dade Co.: Homestead      | 8582 | (McD 3594) |
| 12 | <i>Anomis erosa</i> Hübner, ♂               | Volusia Co.: Cassadaga   | 8545 | (McD 3617) |
| 13 | <i>Anomis flava fimbriago</i> (Stephens), ♂ | Volusia Co.: Cassadaga   | 8546 | (McD 3618) |
| 14 | <i>Isogona scindens</i> (Walker), ♂         | Texas                    | 8498 | (McD 3555) |

**NOTODONTIDAE**

|    |   |                          |      |            |
|----|---|--------------------------|------|------------|
| 15 | <i>Heterocampa astarte</i> Doubleday, ♀ | Escambia Co.             | 7977 | (McD 3888) |
| 16 | <i>Heterocampa varia</i> Walker, ♂      | Alachua Co.: Gainesville | 7982 | (McD 3890) |

**NOCTUIDAE**

|    |  |                            |      |              |
|----|--|----------------------------|------|--------------|
| 17 | <i>Arugisa latiorella</i> (Walker), ♂                  | Manatee Co.: Oneco         | 8509 | (McD 3661)   |
| 18 | <i>Arugisa watsoni</i> Richards, ♂                     | Sarasota Co.: Siesta Key   | 8510 | (McD 3661.1) |
| 19 | <i>Phytometra ernestinana</i> (Blanchard), ♂           | Manatee Co.: Bradenton     | 8480 | (McD 3677)   |
| 20 | <i>Phytometra rhodarialis</i> (Walker), ♂              | Sarasota Co.: Siesta Key   | 8481 | (McD 3678)   |
| 21 | <i>P. rhodarialis</i> (f. <i>semipurpurea</i> Wlk.), ♀ | Sarasota Co.: Siesta Key   | 8481 | (McD 3678)   |
| 22 | <i>Antiblemma concinnula</i> (Walker), ♂               | Dade Co.: Florida City     | 8579 | (McD 3607.1) |
| 23 | <i>Antiblemma filaria</i> (J. B. Smith), ♀             | Palm Beach Co.: Palm Beach | 8578 | (McD 3660)   |
| 24 | <i>Macrochilo louisiana</i> (Forbes), ♀                | New York                   | 8361 | (McD 3777)   |
| 25 | <i>Ophiuche degesalis</i> (Walker), ♂                  | Sarasota Co.: Siesta Key   | 8459 | (McD 3704.1) |
| 26 | <i>Tetanolita mynesalis</i> (Walker), ♀                | Sarasota Co.: Siesta Key   | 8366 | (McD 3778)   |
| 27 | <i>Ophiuche abjurialis</i> (Walker), ♀                 | Dade Co.: Homestead        | 8456 | (McD 3704)   |
| 28 | <i>Tetanolita floridana</i> (J. B. Smith), ♂           | Sarasota Co.: Siesta Key   | 8368 | (McD 3780)   |

**LASIOCAMPIDAE**

|    |                             |             |      |            |
|----|-----------------------------|-------------|------|------------|
| 29 | <i>Tolyte minta</i> Dyar, ♂ | Mississippi | 7675 | (McD 3979) |
|----|-----------------------------|-------------|------|------------|

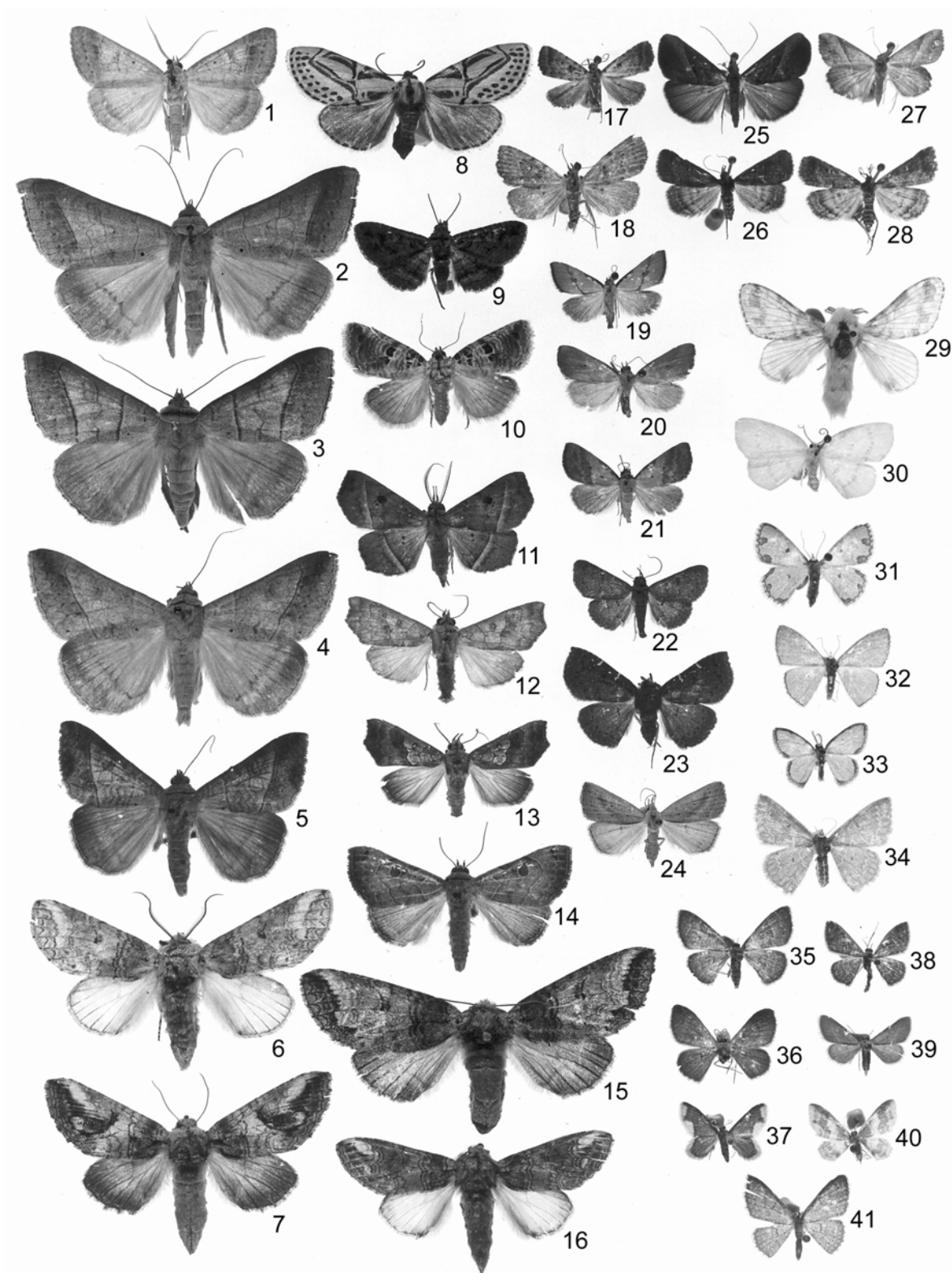
**DREPANIDAE**

|    |                                     |                    |      |            |
|----|-------------------------------------|--------------------|------|------------|
| 30 | <i>Eudeilinia luteifera</i> Dyar, ♂ | Manatee Co.: Oneco | 6254 | (McD 4018) |
|----|-------------------------------------|--------------------|------|------------|

**GEOMETRIDAE**

|    |  |                          |        |            |
|----|--|--------------------------|--------|------------|
| 31 | <i>Synchlora xysteraria</i> (Hulst), ♀     | Sarasota Co.: Siesta Key | 7060.1 | (McD 4042) |
| 32 | <i>Synchlora herbaria</i> (Fabricius), ♀   | Monroe Co.: Key Largo    | 7061   | (McD 4043) |
| 33 | <i>Synchlora cupedinaria</i> (Grote), ♂    | Martin Co.: Port Sewall  | 7064   | (McD 4044) |
| 34 | <i>Synchlora frondaria</i> Guenée, ♀       | Alachua Co.: Gainesville | 7059   | (McD 4071) |
| 35 | <i>Leptostales pannaria</i> (Guenée), ♀    | Escambia Co.             | 7173   | (McD 4125) |
| 36 | <i>Leptostales hepaticaria</i> (Guenée), ♂ | Manatee Co.: Bradenton   | 7175   | (McD 4128) |
| 37 | <i>Lophosis labeculata</i> (Hulst), ♂      | Escambia Co.             | 7181   | (McD 4202) |
| 38 | <i>Leptostales crossii</i> (Hulst), ♀      | Dade Co.: Modello        | 7174   | (McD 4126) |
| 39 | <i>Leptostales laevitaria</i> (Geyer), ♀   | Escambia Co.             | 7177   | (McD 4131) |
| 40 | <i>Lophosis labeculata</i> (Hulst), ♀      | Sarasota Co.: Siesta Key | 7181   | (McD 4202) |
| 41 | <i>Pleuroprucha insulsaria</i> (Guenée), ♂ | Dade Co.: Homestead      | 7132   | (McD 4206) |

(Originally, Kimball (1965) color Plate 5)



**PLATE 44. NOCTUIDAE, THYATIRIDAE, NOTODONTIDAE**

## NOCTUIDAE

|    |  |                          |      |              |
|----|--|--------------------------|------|--------------|
| 1  | <i>Matigramma pulverilinea</i> Grote, ♂  | Missouri                 | 8679 | (McD 3506)   |
| 2  | <i>Matigramma pulverilinea</i> Grote, ♀  | Texas                    | 8679 | (McD 3506)   |
| 3  | <i>Bulia deducta</i> (Morrison), ♂       | Texas                    | 8614 | (McD 3556)   |
| 4  | <i>Athyra adjutrix</i> (Cramer), ♂       | Dade Co.: Miami Beach    | 8583 | (McD 3593.1) |
| 5  | <i>Antiblemma rufinans</i> (Guenée), ♂   | Manatee Co.: Bradenton   | 8577 | (McD 3606)   |
| 6  | <i>Anomis editrix</i> (Guenée), ♀        | Arizona                  | 8553 | (McD 3622)   |
| 7  | <i>Gabara pulverosalis</i> (Walker), ♀   | Volusia Co.: Cassadaga   | 8524 | (McD 3633)   |
| 8  | <i>Gabara distema</i> (Grote), ♀         | Volusia Co.: Cassadaga   | 8523 | (McD 2699)   |
| 9  | <i>Metalectra albilinea</i> Richards, ♂  | Alachua Co.: Gainesville | 8504 | (McD 3656.1) |
| 10 | <i>Lomanaltes eductalis</i> (Walker), ♂  | West Virginia            | 8455 | (McD 3703)   |
| 11 | <i>Idia scobialis</i> (Grote), ♂         | Massachusetts            | 8330 | (McD 3741)   |
| 12 | <i>Chytolita petrealis</i> Grote, ♂      | Missouri                 | 8356 | (McD 3767)   |
| 13 | <i>Chytolita petrealis</i> Grote, ♂      | Missouri                 | 8356 | (McD 3767)   |
| 14 | <i>Renia adspersgillus</i> (Bosc), ♀     | Okaloosa Co.: Shalimar   | 8386 | (McD 3794)   |
| 15 | <i>Bleptina sangamonica</i> B. & McD., ♀ | Volusia Co.: Cassadaga   | 8372 | (McD 3800)   |

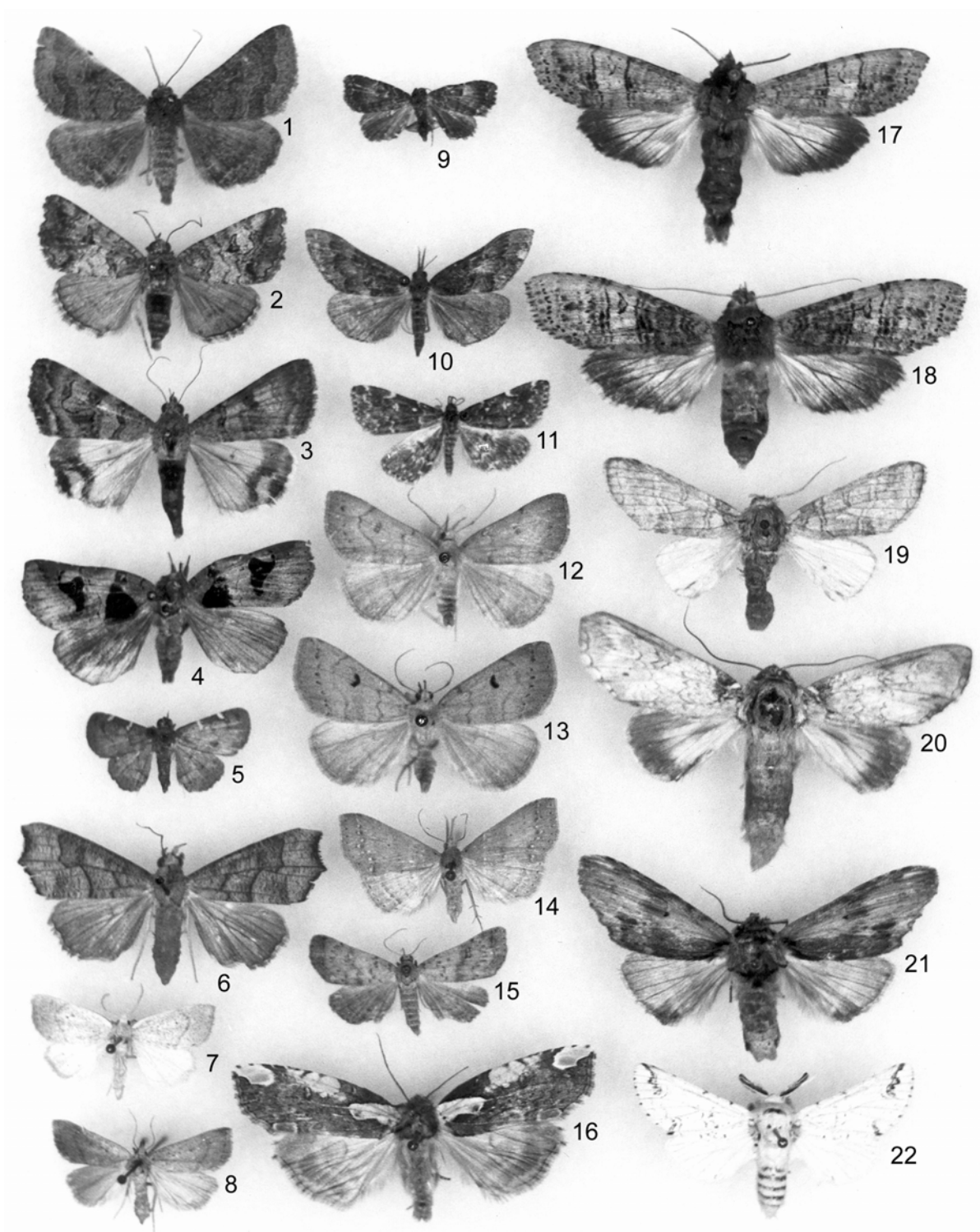
## THYATIRIDAE

|    |                                      |          |      |            |
|----|--------------------------------------|----------|------|------------|
| 16 | <i>Euthyatira pudens</i> (Guenée), ♂ | Missouri | 6240 | (McD 4011) |
|----|--------------------------------------|----------|------|------------|

## NOTODONTIDAE

|    |   |                        |      |              |
|----|---|------------------------|------|--------------|
| 17 | <i>Nystalea indiana</i> Grote, ♂              | Monroe Co.: Key Largo  | 7945 | (McD 3855)   |
| 18 | <i>Nystalea indiana</i> Grote, ♀              | Monroe Co.: Key Largo  | 7945 | (McD 3855)   |
| 19 | <i>Rifargia bichorda</i> (Hampson), ♀         | Monroe Co.: Key Largo  | 7965 | (McD 3873.1) |
| 20 | <i>Rifargia distinguenda</i> (Walker), ♂      | Costa Rica [not in FL] | 7966 | (McD 3887.1) |
| 21 | <i>Oligocentria semirufescens</i> (Walker), ♂ | North Carolina         | 8012 | (McD 3919)   |
| 22 | <i>Cerura candida</i> Lintner, ♂              | Texas                  | 7943 | (McD 3931)   |

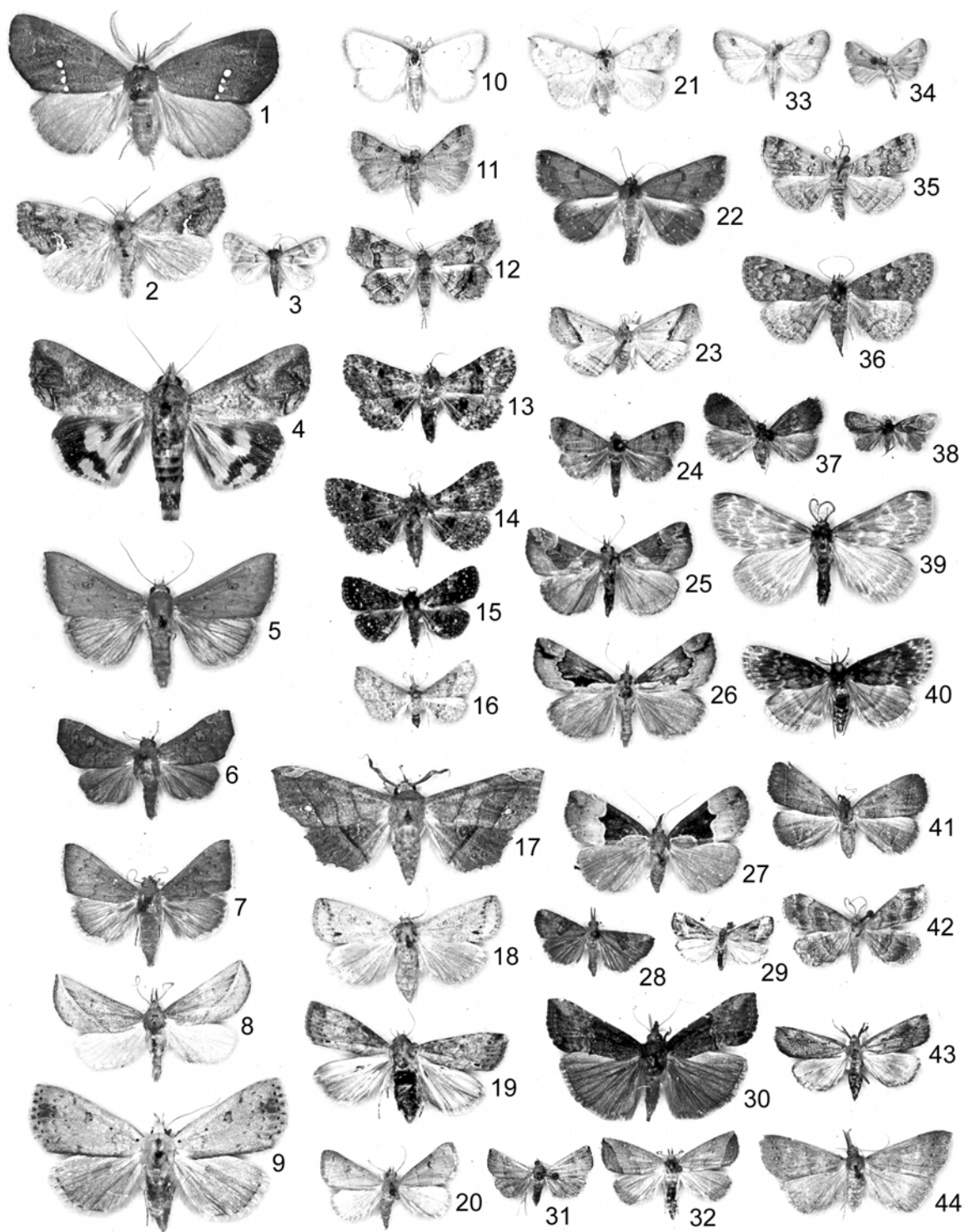
(all figures at 110%)



## PLATE 45. NOCTUIDAE

|    |   |                                 |        |              |
|----|---|---------------------------------|--------|--------------|
| 1  | <i>Hypsoropha monilis</i> (Fabricius), ♂                    | Alachua Co.: Micanopy           | 8527   | (McD 3610)   |
| 2  | <i>Hypsoropha hormos</i> Hübner, ♂                          | Escambia Co.                    | 8528   | (McD 3611)   |
| 3  | <i>Cecharismena abarusalis</i> (Walker), ♀                  | Dade Co.: Homestead             | 8531   | (McD 3613.1) |
| 4  | <i>Hypocala andremona</i> (Cramer), ♂                       | Volusia Co.: Cassadaga          | 8642   | (McD 3614)   |
| 5  | <i>Alabama argillacea</i> (Hübner), ♂                       | New Jersey                      | 8554   | (McD 3616)   |
| 6  | <i>Anomis impasta</i> Guenée, ♂                             | Volusia Co.: Cassadaga          | 8548   | (McD 3618.1) |
| 7  | <i>Anomis illita</i> Guenée, ♀                              | Sarasota Co.: Siesta Key        | 8551   | (McD 3618.2) |
| 8  | <i>Phyprosopus callitrichoides</i> Grote, ♂                 | Volusia Co.: Cassadaga          | 8525   | (McD 3639)   |
| 9  | <i>Scolecocampa liburna</i> (Geyer), ♀                      | Volusia Co.: Cassadaga          | 8514   | (McD 3623)   |
| 10 | <i>Gabara subnivosella bipuncta</i> (Morrison), ♀           | Escambia Co.                    | 8522   | (McD 3632)   |
| 11 | <i>Glympis concors</i> (Hübner), ♀                          | Manatee Co.: Oneco              | 8478   | (McD 3648.1) |
| 12 | <i>Pangrapta decoralis</i> Hübner, ♀                        | Alachua Co.: Gainesville        | 8490   | (McD 3650)   |
| 13 | <i>Metalectra discalis</i> (Grote), ♀                       | Dade Co.: Homestead             | 8499   | (McD 3651)   |
| 14 | <i>Metalectra quadrisignata</i> (Walker), ♂                 | Escambia Co.                    | 8500   | (McD 3652)   |
| 15 | <i>Metalectra tantillus</i> (Grote), ♂                      | Volusia Co.: Cassadaga          | 8502   | (McD 3654)   |
| 16 | <i>Mursa phthisialis</i> (Guenée), ♀                        | Sarasota Co.: Siesta Key        | 8477.1 | (McD 3658.1) |
| 17 | <i>Syllectra erycata</i> (Cramer), ♂                        | Dade Co.: Miami                 | 8584   | (McD 3659)   |
| 18 | <i>Janseodes melanospila</i> (Guenée), ♂                    | Volusia Co.: Cassadaga          | 8561   | (McD 3662)   |
| 19 | <i>Janseodes melanospila</i> (Guenée), ♀                    | Palm Beach Co.: Belle Glade     | 8561   | (McD 3662)   |
| 20 | <i>Hemeroplanis habitalis</i> (Walker), ♂                   | Sarasota Co.: Siesta Key        | 8471   | (McD 3668)   |
| 21 | <i>Hemeroplanis scopulepes</i> (Haworth), ♂                 | Monroe Co.: Key Largo           | 8467   | (McD 3664)   |
| 22 | <i>H. scopulepes</i> (Haworth), (f. <i>geometralis</i> ), ♂ | Alachua Co.                     | 8467   | (McD 3664)   |
| 23 | <i>Ledaea perditalis</i> (Walker), ♀                        | Escambia Co.                    | 8491   | (McD 3685)   |
| 24 | <i>Hormoschista latipalpis</i> (Walker), ♂                  | Alachua Co.: Gainesville        | 8488   | (McD 3686)   |
| 25 | <i>Bomolocha manalis</i> (Walker), ♀                        | Volusia Co.: Cassadaga          | 8441   | (McD 3687)   |
| 26 | <i>Bomolocha baltimoralis</i> (Guenée), ♂                   | Volusia Co.: Cassadaga          | 8442   | (McD 3688)   |
| 27 | <i>Bomolocha bijugalis</i> (Walker), ♀                      | Volusia Co.: Cassadaga          | 8443   | (McD 3689)   |
| 28 | <i>Ophiuche minualis</i> (Guenée), ♀                        | Manatee Co.: Oneco              | 8457   | (McD 3701)   |
| 29 | <i>Schrankia macula</i> (Druce), ♂                          | Volusia Co.: De Bary            | 8431   | (McD 3727)   |
| 30 | <i>Plathypena scabra</i> (Fabricius), ♂                     | Volusia Co.: Cassadaga          | 8465   | (McD 3705)   |
| 31 | <i>Ommatochila mundula</i> (Zeller), ♀                      | Monroe Co.: Tavernier           | 8489   | (McD 3683)   |
| 32 | <i>Colobochyla interpuncta</i> (Grote), ♂                   | Volusia Co.: Cassadaga          | 8411   | (McD 3731)   |
| 33 | <i>Rivula propinqualis</i> Guenée, ♂                        | Escambia Co.                    | 8404   | (McD 3732)   |
| 34 | <i>Rivula pusilla</i> Möschler, ♂                           | Manatee Co.: Oneco              | 8404.1 | (McD 3732.1) |
| 35 | <i>Idia americalis</i> (Guenée), ♂                          | Volusia Co.: Cassadaga          | 8322   | (McD 3734)   |
| 36 | <i>Idia aemula</i> Hübner, ♀                                | Volusia Co.: Cassadaga          | 8323   | (McD 3735)   |
| 37 | <i>Idia rotundalis</i> (Walker), ♀                          | Sarasota Co.: Siesta Key        | 8326   | (McD 3737)   |
| 38 | <i>Idia diminuendis</i> (Barnes & McDunnough), ♂            | Hernando Co.: Weekiwachee Spgs. | 8329   | (McD 3740)   |
| 39 | <i>Idia gopheri</i> (Smith), ♂                              | Volusia Co.: Cassadaga          | 8336   | (McD 3745)   |
| 40 | <i>Idia lubricalis</i> (Geyer), ♂                           | Volusia Co.: Cassadaga          | 8334   | (McD 3746)   |
| 41 | <i>Zanclognatha obscuripennis</i> (Grote), ♀                | Volusia Co.: Cassadaga          | 8347   | (McD 3758)   |
| 42 | <i>Phalaenostola larentioides</i> Grote, ♂                  | New York                        | 8364   | (McD 3769)   |
| 43 | <i>Macrochilo orciferalis</i> Walker, ♂                     | Volusia Co.: Cassadaga          | 8360   | (McD 3776)   |
| 44 | <i>Renia salusalis</i> (Walker), ♀                          | Manatee Co.: Oneco              | 8378   | (McD 3782)   |

(Originally, Kimball (1965) Plate 18)

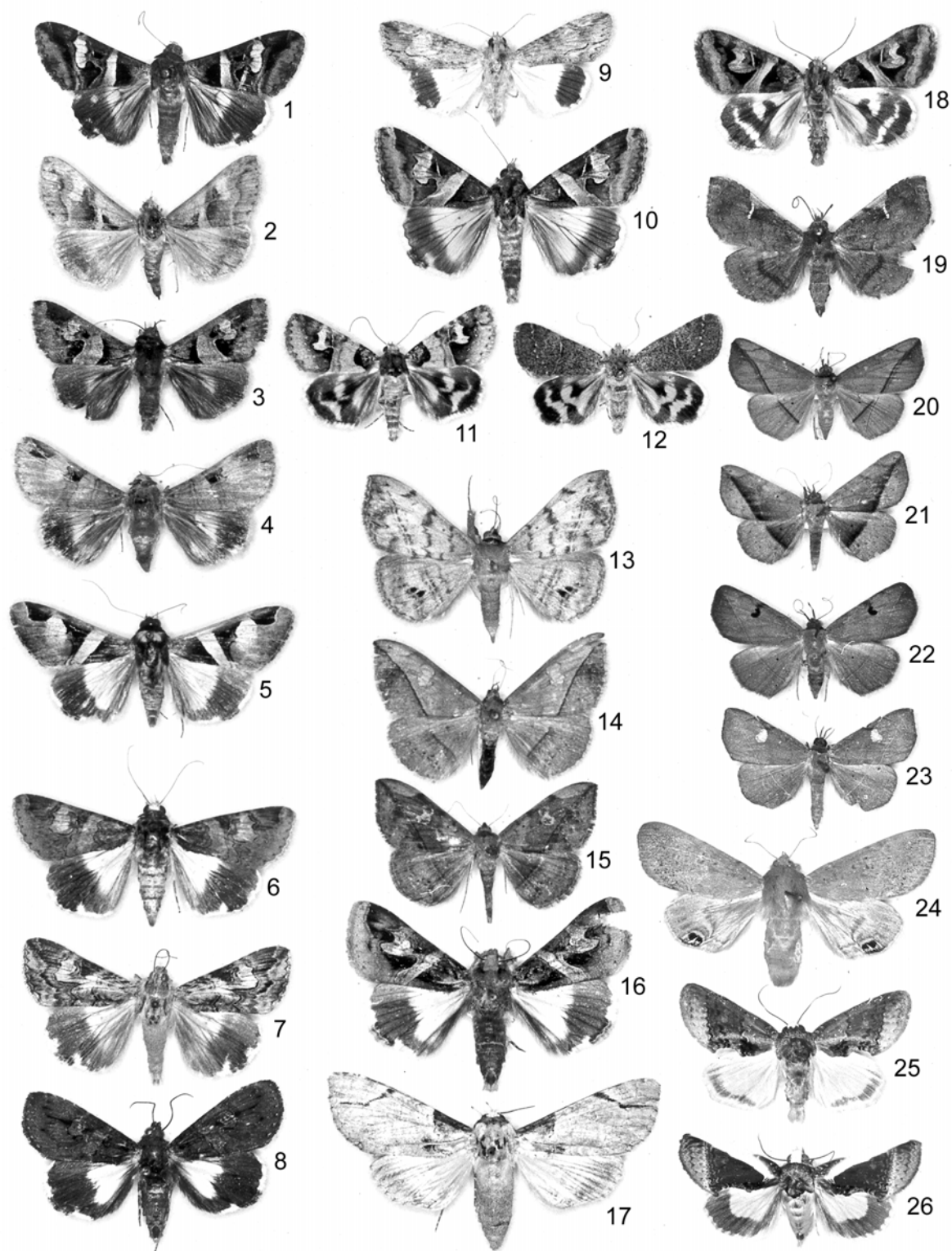




## PLATE 46. NOCTUIDAE

|    |   |                             |      |              |
|----|---|-----------------------------|------|--------------|
| 1  | <i>Melipotis perpendicularis</i> (Guenée), ♂      | Escambia Co.: W. Pensacola  | 8598 | (McD 3546.1) |
| 2  | <i>Melipotis cellaris</i> (Guenée), ♂             | Texas                       | 8601 | (McD 3549.1) |
| 3  | <i>Melipotis januaris</i> (Guenée), ♂             | Dade Co.: Homestead         | 8603 | (McD 3549.2) |
| 4  | <i>Melipotis januaris</i> (Guenée), ♀             | Sarasota Co.: Siesta Key    | 8603 | (McD 3549.2) |
| 5  | <i>Melipotis fasciolaris</i> (Hübner), ♂          | Monroe Co.: Key Largo       | 8599 | (McD 3547)   |
| 6  | <i>Melipotis fasciolaris</i> (Hübner), ♀          | Monroe Co.: Key Largo       | 8599 | (McD 3547)   |
| 7  | <i>Melipotis jucunda</i> Hübner, ♂                | Alachua Co.: Gainesville    | 8607 | (McD 3551)   |
| 8  | <i>Melipotis prolata</i> (Walker), ♀              | Sarasota Co.: Siesta Key    | 8606 | (McD 3551.1) |
| 9  | <i>Melipotis acontoides</i> (Guenée), ♂           | Monroe Co.: Key West        | 8610 | (McD 3553)   |
| 10 | <i>Melipotis indomita</i> (Walker), ♂             | Texas                       | 8600 | (McD 3549)   |
| 11 | <i>Drasteria graphica</i> Hübner, ♂               | Volusia Co.: Cassadaga      | 8618 | (McD 3563)   |
| 12 | <i>Drasteria graphica</i> Hübner, ♀               | Volusia Co.: Cassadaga      | 8618 | (McD 3563)   |
| 13 | <i>Anticarsia gemmatalis</i> Hübner, ♂            | Escambia Co.                | 8574 | (McD 3590)   |
| 14 | <i>Anticarsia gemmatalis</i> Hübner, ♀            | Gadsden Co.: Quincy         | 8574 | (McD 3590)   |
| 15 | <i>Anticarsia gemmatalis</i> Hübner, ♀            | Gadsden Co.: Quincy         | 8574 | (McD 3590)   |
| 16 | <i>Melipotis contorta</i> (Guenée), ♂             | Sarasota Co.: Siesta Key    | 8605 | (McD 3550.1) |
| 17 | <i>Boryzops purissima</i> (Dyar), ♀               | Monroe Co.: Tavernier       | 8643 | (McD 3584)   |
| 18 | <i>Drasteria grandirena</i> (Haworth), ♂          | Maine                       | 8641 | (McD 3565)   |
| 19 | <i>Azeta repugnalis</i> (Hübner), ♀               | Sarasota Co.: Siesta Key    | 8575 | (McD 3591)   |
| 20 | <i>Metallata absumens</i> (Walker), ♂             | Alachua Co.: Gainesville    | 8573 | (McD 3593)   |
| 21 | <i>Metallata absumens</i> (Walker), ♂             | Volusia Co.: Cassadaga      | 8573 | (McD 3593)   |
| 22 | <i>Metallata absumens</i> (Walker), ♀             | Volusia Co.: Cassadaga      | 8573 | (McD 3593)   |
| 23 | <i>Metallata absumens</i> (Walker), ♀             | Volusia Co.: Cassadaga      | 8573 | (McD 3593)   |
| 24 | <i>Litoprosopus futilis</i> (Grote & Robinson), ♀ | Volusia Co.: Cassadaga      | 8556 | (McD 3598)   |
| 25 | <i>Gonodonta unica</i> Neumoegen, ♂               | Indian River Co.: Sebastian | 8541 | (McD 3602)   |
| 26 | <i>Gonodonta nutrix</i> (Cramer), ♀               | Dade Co.: Homestead         | 8540 | (McD 3604)   |

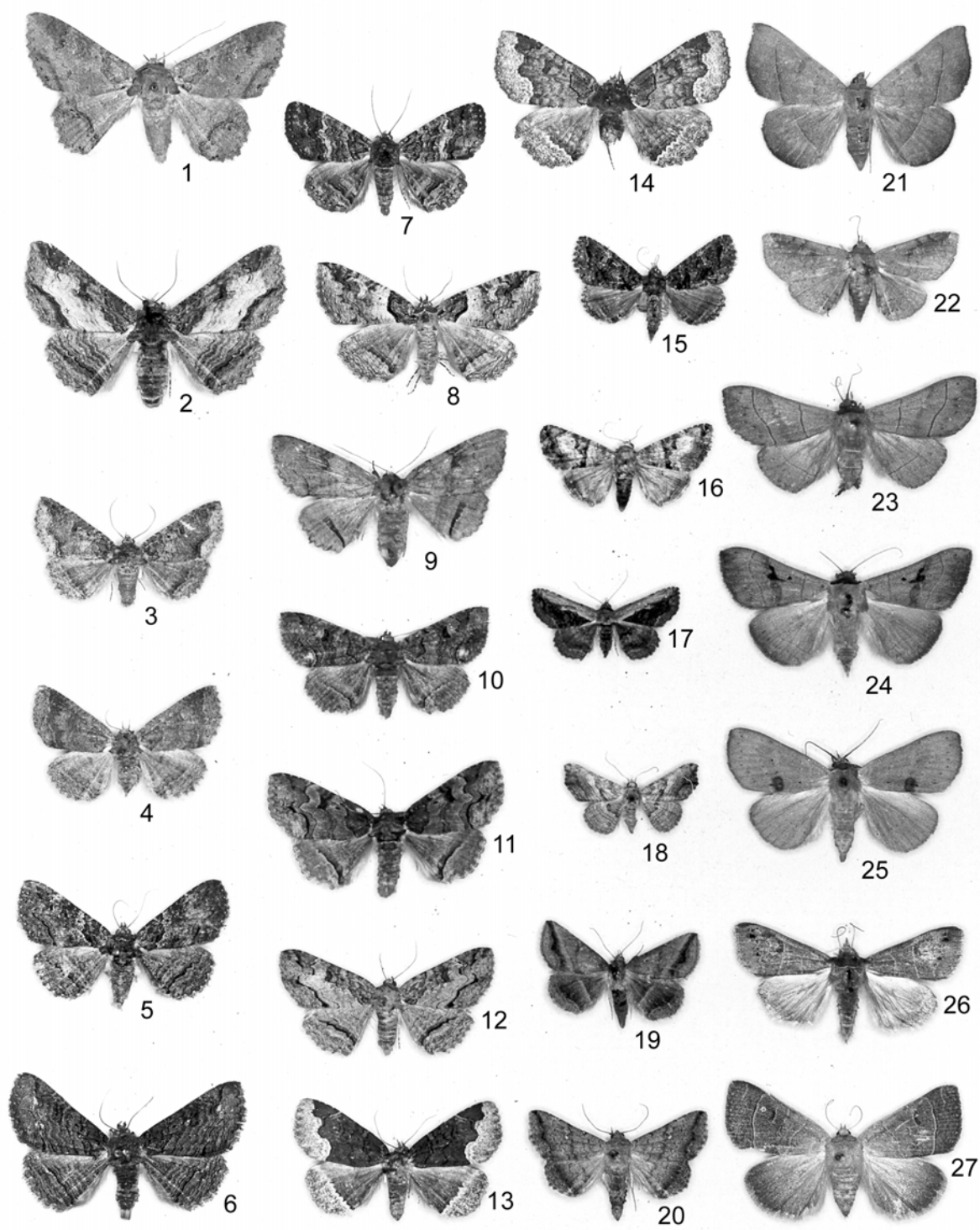
(all figures at 95%; originally, Kimball (1965) Plate 17)



**PLATE 47. NOCTUIDAE**

|    |   |                          |      |            |
|----|---|--------------------------|------|------------|
| 1  | <i>Zale fictilis</i> (Guenée), ♂            | Manatee Co.: Oneco       | 8687 | (McD 3470) |
| 2  | <i>Zale lunata</i> (Drury), ♀               | Volusia Co.: Cassadaga   | 8689 | (McD 3474) |
| 3  | <i>Zale declarens</i> (Walker), ♂           | Sarasota Co.: Siesta Key | 8691 | (McD 3477) |
| 4  | <i>Zale declarens</i> (Walker), ♀           | Highlands Co.: Childs    | 8691 | (McD 3477) |
| 5  | <i>Zale aeruginosa</i> (Guenée), ♂          | Escambia Co.             | 8694 | (McD 3480) |
| 6  | <i>Zale undularis</i> (Drury), ♂            | Massachusetts            | 8695 | (McD 3481) |
| 7  | <i>Pseudanthracia coracias</i> (Guenée), ♂  | Volusia Co.: Cassadaga   | 8683 | (McD 3482) |
| 8  | <i>Zale lunifera</i> Hübner, ♀              | Escambia Co.             | 8713 | (McD 3485) |
| 9  | <i>Zale obliqua</i> Guenée, ♀               | Jackson Co.: Marianna    | 8699 | (McD 3487) |
| 10 | <i>Zale helata</i> (J. B. Smith), ♀         | Escambia Co.             | 8704 | (McD 3491) |
| 11 | <i>Zale metata</i> (J. B. Smith), ♀         | Escambia Co.             | 8708 | (McD 3493) |
| 12 | <i>Zale galbanata</i> (Morrison), ♀         | Escambia Co.             | 8692 | (McD 3478) |
| 13 | <i>Zale horrida</i> Hübner, ♀               | New York                 | 8717 | (McD 3501) |
| 14 | <i>Zale horrida</i> Hübner, ♀               | Alachua Co.: Gainesville | 8717 | (McD 3501) |
| 15 | <i>Coxina cinctipalpis</i> (J. B. Smith), ♂ | Sarasota Co.: Siesta Key | 8662 | (McD 3502) |
| 16 | <i>Coenipeta bibitrix</i> (Hübner), ♀       | Alachua Co.              | 8665 | (McD 3513) |
| 17 | <i>Selenisa sueroides</i> (Guenée), ♀       | Dade Co.: Homestead      | 8658 | (McD 3514) |
| 18 | <i>Tyrisa multilinea</i> B. & McD., ♀       | Alachua Co.: Gainesville | 8650 | (McD 3522) |
| 19 | <i>Lesmone detrahens</i> (Walker), ♀        | Gadsden Co.: Quincy      | 8651 | (McD 3527) |
| 20 | <i>Lesmone hinna</i> (Geyer), ♂             | Alachua Co.: Gainesville | 8653 | (McD 3529) |
| 21 | <i>Epidromia fergusonii</i> (Solis), ♀      | Orange Co.: Orlando      | 8585 | (McD 3532) |
| 22 | <i>Massala obvertens</i> (Walker), ♀        | Sarasota Co.: Siesta Key | 8586 | (McD 3533) |
| 23 | <i>Panopoda rufimargo</i> (Hübner), ♂       | Escambia Co.             | 8587 | (McD 3534) |
| 24 | <i>Panopoda carneicosta</i> Guenée, ♂       | Illinois                 | 8588 | (McD 3535) |
| 25 | <i>Panopoda repanda</i> (Walker), ♀         | Alachua Co.              | 8589 | (McD 3536) |
| 26 | <i>Cissusa spadix</i> (Cramer), ♂           | Escambia Co.             | 8592 | (McD 3539) |
| 27 | <i>Phoberia atomaris</i> Hübner, ♀          | Volusia Co.: Cassadaga   | 8591 | (McD 3545) |

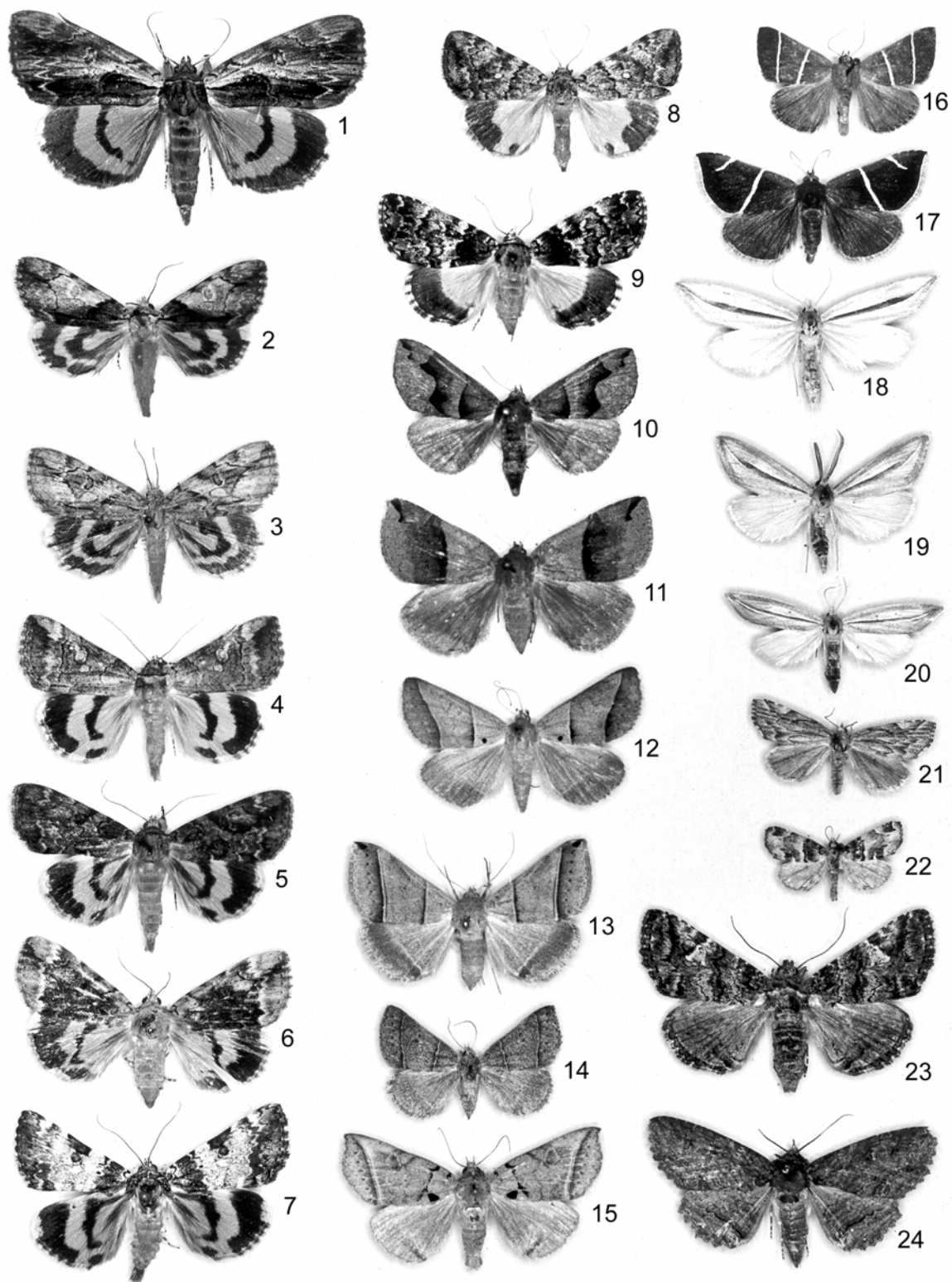
(all figures at 95%; originally, Kimball (1965) Plate 16)



## PLATE 48. NOCTUIDAE

|    |   |                          |      |            |
|----|---|--------------------------|------|------------|
| 1  | <i>Catocala ultronia</i> (Hübner), ♀                      | Volusia Co.: Cassadaga   | 8857 | (McD 3395) |
| 2  | <i>Catocala crataegi</i> Saunders, ♂                      | New York                 | 8858 | (McD 3396) |
| 3  | <i>Catocala mira</i> Grote, ♂                             | New York?                | 8863 | (McD 3397) |
| 4  | <i>Catocala similis</i> W. H. Edwards, ♂                  | Volusia Co.: Cassadaga   | 8873 | (McD 3407) |
| 5  | <i>Catocala micronympha</i> Guenée, ♂                     | Volusia Co.: Cassadaga   | 8876 | (McD 3410) |
| 6  | <i>Catocala micronympha</i> Guenée, ♀ (f. <i>gisela</i> ) | Sarasota Co.: Siesta Key | 8876 | (McD 3410) |
| 7  | <i>Catocala connubialis</i> Guenée, ♂                     | Escambia Co.             | 8877 | (McD 3411) |
| 8  | <i>Catocala ?amica</i> (Hübner), ♂                        | Volusia Co.: Cassadaga   | 8878 | (McD 3412) |
| 9  | <i>Allotria elonympha</i> (Hübner), ♀                     | Volusia Co.: Cassadaga   | 8721 | (McD 3415) |
| 10 | <i>Dysgonia smithii</i> (Guenée), ♀                       | Escambia Co.             | 8726 | (McD 3421) |
| 11 | <i>Dysgonia similis</i> (Guenée), ♀                       | Volusia Co.: Cassadaga   | 8725 | (McD 3420) |
| 12 | <i>Ptichodis herbarum</i> (Guenée), ♂                     | Escambia Co.             | 8750 | (McD 3441) |
| 13 | <i>Ptichodis vinculum</i> (Guenée), ♀                     | Escambia Co.             | 8749 | (McD 3439) |
| 14 | <i>Ptichodis pacalis</i> (Walker), ♀                      | Volusia Co.: De Bary     | 8752 | (McD 3449) |
| 15 | <i>Celiptera frustulum</i> Guenée, ♂                      | New York                 | 8747 | (McD 3447) |
| 16 | <i>Argyrostromis quadrifilaris</i> (Hübner), ♂            | Volusia Co.: Cassadaga   | 8762 | (McD 3457) |
| 17 | <i>Argyrostromis anilis</i> (Drury), ♂                    | Escambia Co.             | 8764 | (McD 3458) |
| 18 | <i>Doryodes spadaria</i> Guenée, ♀                        | Volusia Co.: Cassadaga   | 8767 | (McD 3461) |
| 19 | <i>Doryodes bistrialis</i> (Geyer), ♂                     | Sarasota Co.: Siesta Key | 8765 | (McD 3460) |
| 20 | <i>Doryodes bistrialis</i> (Geyer), ♂                     | Volusia Co.: Cassadaga   | 8765 | (McD 3460) |
| 21 | <i>Cutina albopunctella</i> Walker, ♂                     | Volusia Co.: Cassadaga   | 8728 | (McD 3463) |
| 22 | <i>Cutina distincta</i> (Grote), ♂                        | Volusia Co.: Cassadaga   | 8729 | (McD 3464) |
| 23 | <i>Metria amella</i> (Guenée), ♀                          | "Florida"                | 8666 | (McD 3466) |
| 24 | <i>Zale exhausta</i> (Guenée), ♂                          | Gadsden Co.: Quincy      | 8684 | (McD 3468) |

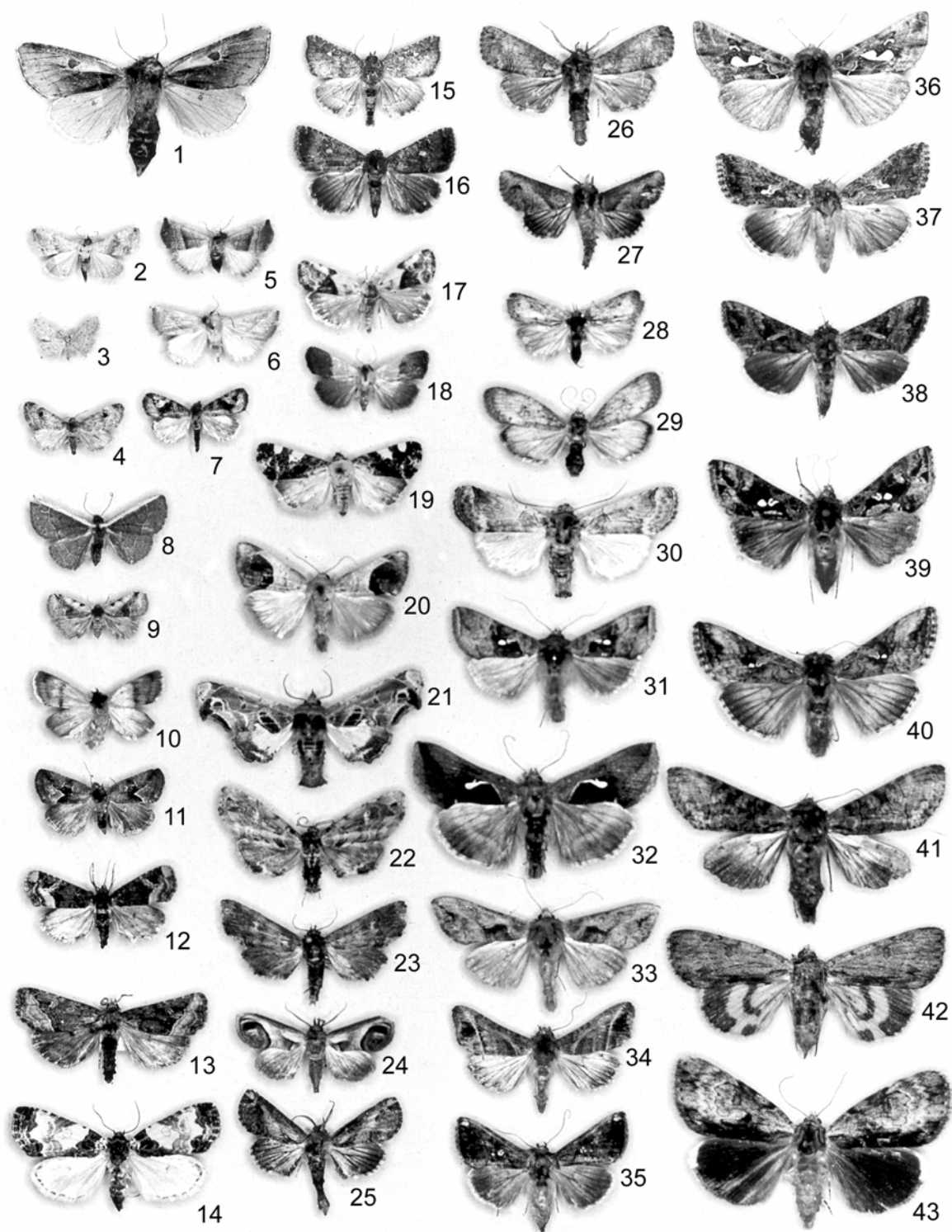
(all figures at 95%; originally, Kimball (1965) Plate 15)



## PLATE 49. NOCTUIDAE

|    |  |                              |      |              |
|----|--|------------------------------|------|--------------|
| 1  | <i>Meropleon cosmion</i> Dyar, ♀                 | Volusia Co.: Cassadaga       | 9425 | (McD 2867)   |
| 2  | <i>Eublemma minima</i> (Guenée), ♀               | Volusia Co.: Cassadaga       | 9076 | (McD 3061)   |
| 3  | <i>Sigela eoides</i> (Barnes & McDunnough), ♀    | Sarasota Co.: Siesta Key     | 8435 | (McD 3065)   |
| 4  | <i>Abablemma brimleyana</i> (Dyar), ♂            | Sarasota Co.: Siesta Key     | 8437 | (McD 3071)   |
| 5  | <i>Eublemma cinnamomea</i> (Herrich-Schäffer), ♀ | Volusia Co.: Cassadaga       | 9077 | (McD 3062)   |
| 6  | <i>Eublemma recta</i> (Guenée), ♀                | Manatee Co.: Bradenton       | 9078 | (McD 3063)   |
| 7  | <i>Ozarka nebula</i> Barnes & McDunnough, ♀      | Volusia Co.: Cassadaga       | 9033 | (McD 3087)   |
| 8  | <i>Oruza albocostaliata</i> (Packard), ♀         | Volusia Co.: Cassadaga       | 9025 | (McD 3074)   |
| 9  | <i>Hyperstrotia nana</i> Hübner, ♀               | Volusia Co.: Cassadaga       | 9035 | (McD 3098)   |
| 10 | <i>Exyra semicrocea</i> (Guenée), ♀              | Gilchrist Co.: Trenton       | 9024 | (McD 3109)   |
| 11 | <i>Lithacodia bellicula</i> Hübner, ♀            | Highlands Co.: Childs        | 9046 | (McD 3117)   |
| 12 | <i>Homophoberia apicosa</i> (Haworth), ♂         | Alachua Co.: Gainesville     | 9057 | (McD 3126)   |
| 13 | <i>Homophoberia cristata</i> Morrison, ♂         | Massachusetts                | 9056 | (McD 3127)   |
| 14 | <i>Cerma cerintha</i> (Treitschke), ♂            | New York                     | 9062 | (McD 3131)   |
| 15 | <i>Amyna bullula</i> (Grote), ♂                  | Pinellas Co.: St. Petersburg | 9069 | (McD 3135)   |
| 16 | <i>Amyna octo</i> (Guenée), ♀                    | Alachua Co.                  | 9070 | (McD 3136)   |
| 17 | <i>Tarachidia candefacta</i> (Hübner), ♀         | Volusia Co.: Cassadaga       | 9090 | (McD 3176)   |
| 18 | <i>Tarachidia semiflava</i> (Guenée), ♀          | Volusia Co.: Cassadaga       | 9085 | (McD 3185)   |
| 19 | <i>Acontia aprica</i> (Hübner), ♂                | Alachua Co.: Gainesville     | 9136 | (McD 3203)   |
| 20 | <i>Acontia terminimacula</i> (Grote), ♂          | Volusia Co.: Cassadaga       | 9145 | (McD 3210)   |
| 21 | <i>Eutelia pulcherrima</i> (Grote), ♂            | New York                     | 8968 | (McD 3220)   |
| 22 | <i>Marathyssa basalis</i> Walker, ♂              | Sarasota Co.: Siesta Key     | 8956 | (McD 3222)   |
| 23 | <i>Marathyssa inficita</i> (Walker), ♂           | Escambia Co.                 | 8955 | (McD 3223)   |
| 24 | <i>Paectes oculatrix</i> (Guenée), ♂             | Alachua Co.: Gainesville     | 8957 | (McD 3225)   |
| 25 | <i>Paectes burserae</i> (Dyar), ♂                | Sarasota Co.: Siesta Key     | 8960 | (McD 3227)   |
| 26 | <i>Paectes abrostoloides</i> (Guenée), ♂         | Volusia Co.: Cassadaga       | 8962 | (McD 3230)   |
| 27 | <i>Paectes nubifera</i> Hampson, ♂               | Volusia Co.: Cassadaga       | 8965 | (McD 3233)   |
| 28 | <i>Nycteola frigidana</i> (Walker), ♀            | Escambia Co.                 | 8975 | (McD 3235)   |
| 29 | <i>Motya abseuzalis</i> Walker, ♀                | Sarasota Co.: Siesta Key     | 8981 | (McD 3236)   |
| 30 | <i>Collomena filifera</i> (Walker), ♂            | Monroe Co.: Key Largo        | 8982 | (McD 3237)   |
| 31 | <i>Enigmogramma basigera</i> (Walker), ♂         | Pennsylvania                 | 8886 | (McD 3270)   |
| 32 | <i>Anagrapha falcifera</i> (Kirby), ♂            | Georgia                      | 8924 | (McD 3252)   |
| 33 | <i>Autoplusia egena</i> (Guenée), ♂              | Palm Beach Co.: Belle Glade  | 8891 | (McD 3267)   |
| 34 | <i>Notioplusia illustrata</i> (Guenée), ♂        | Manatee Co.: Bradenton       | 8894 | (McD 3267.1) |
| 35 | <i>Argyrogramma verruca</i> (Fabricius), ♀       | Dade Co.: Homestead          | 8885 | (McD 3268)   |
| 36 | <i>Megalographa biloba</i> (Stephens), ♀         | New York                     | 8907 | (McD 3279)   |
| 37 | <i>Trichoplusia ni</i> (Hübner), ♂               | Georgia                      | 8887 | (McD 3269)   |
| 38 | <i>Ctenoplusia oxygramma</i> (Geyer), ♂          | Dade Co.: Homestead          | 8889 | (McD 3277)   |
| 39 | <i>Pseudoplusia includens</i> (Walker), ♀        | Escambia Co.                 | 8890 | (McD 3280)   |
| 40 | <i>Rachiplusia ou</i> (Guenée), ♂                | Escambia Co.                 | 8895 | (McD 3289)   |
| 41 | <i>Mouralia tinctoides</i> (Guenée), ♀           | Volusia Co.: Cassadaga       | 8884 | (McD 3310)   |
| 42 | <i>Catocala gracilis</i> W. H. Edwards, ♀        | New York                     | 8847 | (McD 3386)   |
| 43 | <i>Catocala andromedae</i> (Guenée), ♀           | New Jersey                   | 8849 | (McD 3387)   |

(all figures at 95%; originally, Kimball (1965) Plate 14)

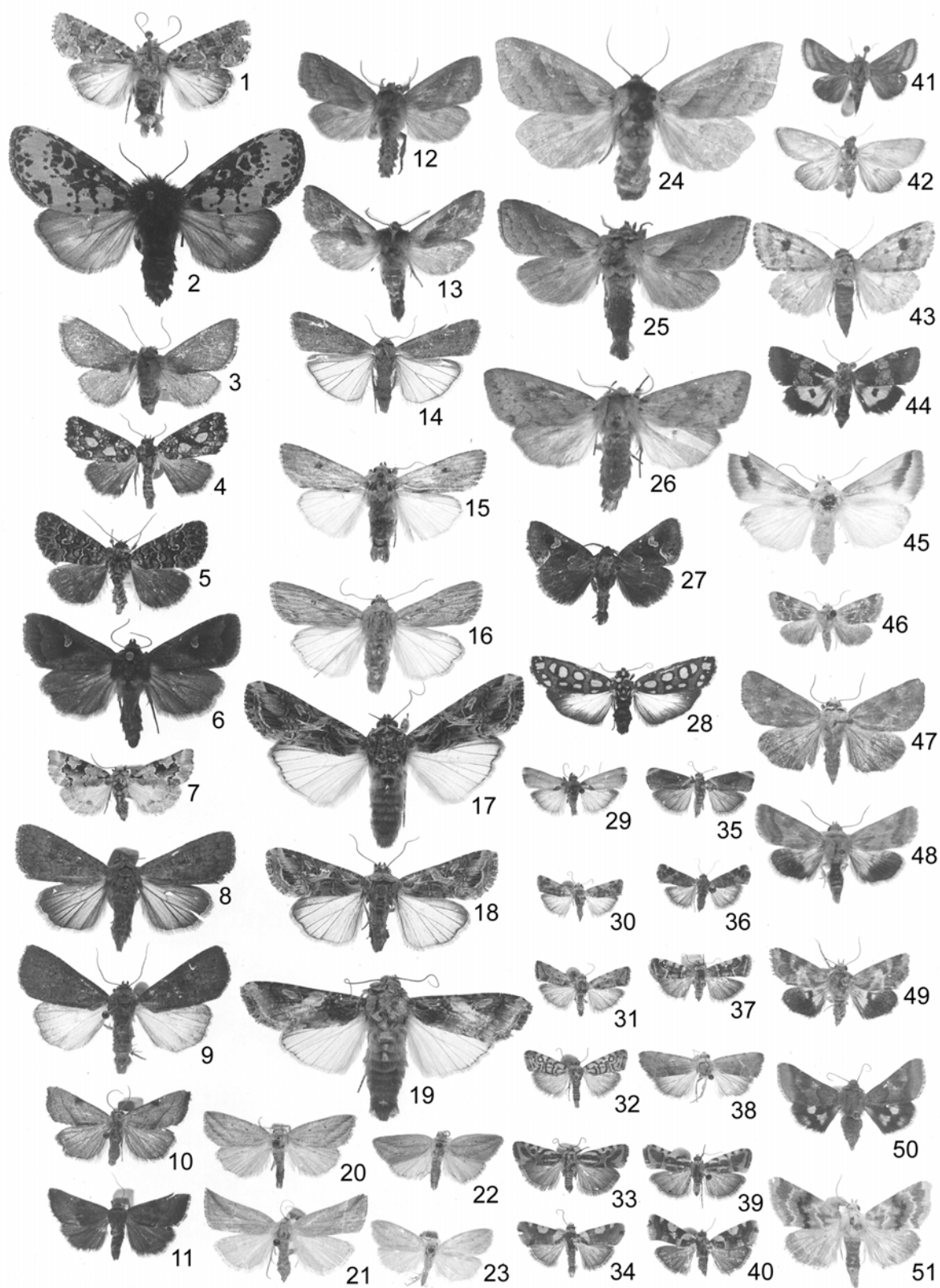




## PLATE 50. NOCTUIDAE

|    |  |                              |       |              |
|----|--|------------------------------|-------|--------------|
| 1  | <i>Lacinipolia laudabilis</i> (Guenée), ♂                | Sarasota Co.: Siesta Key     | 10411 | (McD 1748)   |
| 2  | <i>Xanthopastis timais</i> (Cramer), ♂                   | Collier Co.: Cape Romano     | 10640 | (McD 1954.1) |
| 3  | <i>Psaphida styracis</i> (Guenée) (f. <i>stigma</i> ), ♀ | Volusia Co.: Cassadaga       | 10016 | (McD 2198)   |
| 4  | <i>Callopietria cordata</i> (Ljungh), ♀                  | Volusia Co.: Cassadaga       | 9633  | (McD 2540)   |
| 5  | <i>Callopietria granitosa</i> (Guenée), ♀                | Volusia Co.: Cassadaga       | 9632  | (McD 2542)   |
| 6  | <i>Iodopepla u-album</i> (Guenée), ♀                     | Escambia Co.                 | 9522  | (McD 2544)   |
| 7  | <i>Emarginea percara</i> (Morrison), ♂                   | Escambia Co.                 | 9718  | (McD 2571)   |
| 8  | <i>Condica sutor</i> (Guenée), ♀                         | Alachua Co.: Gainesville     | 9699  | (McD 2623)   |
| 9  | <i>Condica cervina</i> (Smith), ♂                        | Sarasota Co.: Siesta Key     | 9700  | (McD 2623.1) |
| 10 | <i>Galgula partita</i> Guenée, ♂                         | Volusia Co.: Cassadaga       | 9688  | (McD 2666)   |
| 11 | <i>Galgula partita</i> Guenée, ♀                         | Volusia Co.: Cassadaga       | 9688  | (McD 2666)   |
| 12 | <i>Bellura densa</i> (Walker), ♂                         | D.C.                         | 9526  | (McD 2705)   |
| 13 | <i>Bellura obliqua</i> (Walker), ♂                       | New York                     | 9525  | (McD 2703)   |
| 14 | <i>Spodoptera exigua</i> (Hübner), ♀                     | Alachua Co.: Gainesville     | 9665  | (McD 2683)   |
| 15 | <i>Spodoptera eridania</i> (Cramer), ♂                   | Alachua Co.                  | 9672  | (McD 2681)   |
| 16 | <i>Spodoptera albula</i> (Walker), ♂                     | Monroe Co.: Key Largo        | 9673  | (McD 2681.1) |
| 17 | <i>Spodoptera latifascia</i> (Walker), ♀                 | Manatee Co.: Oneco           | 9670  | (McD 2680)   |
| 18 | <i>Spodoptera ornithogalli</i> (Guenée), ♀               | Georgia                      | 9669  | (McD 2678)   |
| 19 | <i>Spodoptera latifascia</i> Walker, ♂                   | Alachua Co.: Gainesville     | 9670  | (McD 2680)   |
| 20 | <i>Amolita obliqua</i> J. B. Smith, ♂                    | Escambia Co.                 | 9819  | (McD 2695)   |
| 21 | <i>Amolita obliqua</i> J. B. Smith, ♀                    | Volusia Co.: Cassadaga       | 9819  | (McD 2695)   |
| 22 | <i>Amolita roseola</i> J. B. Smith, ♂                    | Manatee Co.: Oneco           | 9821  | (McD 2696)   |
| 23 | <i>Amolita roseola</i> J. B. Smith, ♀                    | Escambia Co.                 | 9821  | (McD 2696)   |
| 24 | <i>Bellura brehmei</i> (Barnes & McDunnough), ♀          | Volusia Co.: Cassadaga       | 9524  | (McD 2704)   |
| 25 | <i>Bellura brehmei</i> (Barnes & McDunnough), ♂          | ?                            | 9524  | (McD 2704)   |
| 26 | <i>Bellura gortynoides</i> Walker, ♂                     | Alachua Co.: Gainesville     | 9523  | (McD 2708)   |
| 27 | <i>Acherdoa ferraria</i> Walker, ♂                       | Escambia Co.                 | 9636  | (McD 2866)   |
| 28 | <i>Cydosia nobilitella</i> (Cramer), ♂                   | Monroe Co.                   | 9000  | (McD 3114)   |
| 29 | <i>Spragueia apicalis apicella</i> (Grote), ♂            | ?                            | 9131  | (McD 3141)   |
| 30 | <i>Spragueia margana</i> (Fabricius), ♂                  | Cuba                         | 9132  | (McD 3142)   |
| 31 | <i>Spragueia perstructana</i> (Walker), ♂                | Cuba                         | 9124  | (McD 3142.1) |
| 32 | <i>Spragueia guttata</i> Grote, ♂                        | ?                            | 9125  | (McD 3144)   |
| 33 | <i>Spragueia onagrus</i> (Guenée), ♀                     | Pinellas Co.: St. Petersburg | 9126  | (McD 3147)   |
| 34 | <i>Spragueia dama</i> (Guenée), ♂                        | Cuba                         | 9122  | (McD 3149)   |
| 35 | <i>Spragueia apicalis apicella</i> (Grote), ♀            | Costa Rica                   | 9131  | (McD 3141)   |
| 36 | <i>Spragueia margana</i> (Fabricius), ♀                  | Puerto Rico                  | 9132  | (McD 3142)   |
| 37 | <i>Spragueia perstructana</i> (Walker), ♀                | Jamaica                      | 9124  | (McD 3142.1) |
| 38 | <i>Fruva fasciatella</i> (Grote), ♂                      | "Everglades"                 | 9102  | (McD 3161)   |
| 39 | <i>Spragueia leo</i> (Guenée), ♀                         | Illinois                     | 9127  | (McD 3148)   |
| 40 | <i>Spragueia dama</i> (Guenée), ♀                        | Cuba                         | 9122  | (McD 3149)   |
| 41 | <i>Schinia mitis</i> (Grote), ♀                          | Volusia Co.: Cassadaga       | 11169 | (McD 2897)   |
| 42 | <i>Schinia carolinensis</i> (Barnes & McDunnough), ♀     | Alachua Co.: Gainesville     | 11202 | (McD 2954)   |
| 43 | <i>Heliocheilus turbatus</i> (Walker), ♀                 | Volusia Co.: Cassadaga       | 11073 | (McD 2927)   |
| 44 | <i>Schinia scissoides</i> (Benjamin), ♀                  | Volusia Co.: Cassadaga       | 11099 | (McD 2926)   |
| 45 | <i>Schinia gaurae</i> (J. E. Smith), ♀                   | Volusia Co.: Cassadaga       | 11168 | (McD 2940)   |
| 46 | <i>Schinia fulleri</i> (McElvare), ♂                     | Volusia Co.: Cassadaga       | 11107 | (McD 2948.1) |
| 47 | <i>Schinia sanguinea</i> (Geyer), ♂                      | Volusia Co.: Cassadaga       | 11173 | (McD 3003)   |
| 48 | <i>Schinia siren</i> (Strecker), ♂                       | Volusia Co.: Cassadaga       | 11115 | (McD 3037)   |
| 49 | <i>Schinia tuberculum</i> (Hübner), ♂                    | Volusia Co.: Cassadaga       | 11116 | (McD 3038)   |
| 50 | <i>Schinia bina</i> (Grote), ♀                           | Mississippi                  | 11105 | (McD 3035)   |
| 51 | <i>Schinia arefacta</i> (H. Edwards), ♂                  | Volusia Co.: Cassadaga       | 11178 | (McD 2991)   |

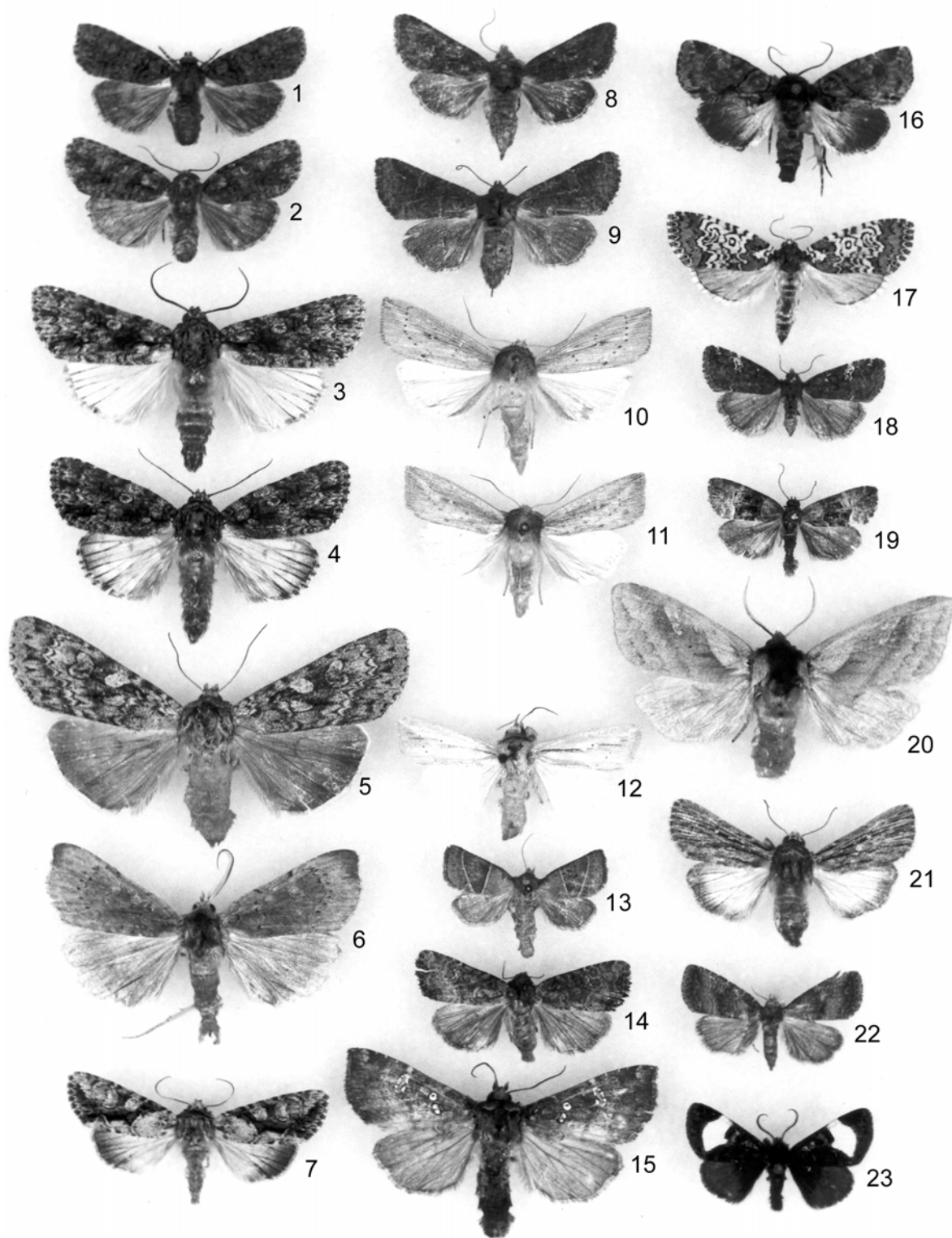
(Originally, Kimball (1965) color Plate 4)



## PLATE 51. NOCTUIDAE

|    |  |                           |        |              |
|----|--|---------------------------|--------|--------------|
| 1  | <i>Acronicta increta</i> (Morrison), ♂               | Missouri                  | 9249   | (McD 1194)   |
| 2  | <i>Acronicta increta</i> (Morrison), ♀               | Missouri                  | 9249   | (McD 1194)   |
| 3  | <i>Acronicta brumosa</i> Guenée, ♂                   | Okaloosa Co.: Ocean City  | 9255   | (McD 1199)   |
| 4  | <i>Acronicta brumosa</i> Guenée, ♀                   | Volusia Co.: Cassadaga    | 9255   | (McD 1199)   |
| 5  | <i>Eurois occulta</i> (Linnaeus), ♀ [not in FL]      | "Volusia Co.: Cassadaga"  | 10929  | (McD 1475)   |
| 6  | <i>Xestia dilucida</i> (Morrison), ♂                 | Alachua Co.: Gainesville  | 10969  | (McD 1562)   |
| 7  | <i>Achatia distincta</i> Hübner, ♀                   | Okaloosa Co.: Shalimar    | 10518  | (McD 1671)   |
| 8  | <i>Lacinipolia meditata</i> (Grote), ♀               | Missouri                  | 10368  | (McD 1712)   |
| 9  | <i>Lacinipolia meditata</i> (Grote), ♀               | New York                  | 10368  | (McD 1712)   |
| 10 | <i>Leucania linita</i> Guenée, ♂                     | Louisiana                 | 10440  | (McD 1970)   |
| 11 | <i>Leucania linita</i> Guenée, ♂                     | Louisiana                 | 10440  | (McD 1970)   |
| 12 | <i>Leucania infatuans</i> Franclemont, ♂             | Monroe Co.: Flamingo, ENP | 10446  | (McD 1982)   |
| 13 | <i>Lemmeria digitalis</i> (Grote), ♀                 | Volusia Co.: Cassadaga    | 9429   | (McD 2214)   |
| 14 | <i>Oligia fractilinea</i> (Grote), ♀                 | Massachusetts             | 9406   | (McD 2426)   |
| 15 | <i>Papaipema polymniae</i> Bird, ♂                   | Manatee Co.: Bradenton    | 9469   | (McD 2499)   |
| 16 | <i>Speocropia trichoma</i> (Herrich-Schäffer), ♀     | Dade Co.: Miami           | 9625   | (McD 2550.1) |
| 17 | <i>Cerma cora</i> Hübner, ♂                          | Okaloosa Co.: Shalimar    | 9061   | (McD 2559)   |
| 18 | <i>Anterastria teratophora</i> (Herrich-Schäffer), ♀ | Missouri                  | 9055.3 | (McD 2582)   |
| 19 | <i>Elaphria georgei</i> (Moore & Rawson), ♂          | Missouri                  | 9680   | (McD 2647.1) |
| 20 | <i>Bellura obliqua anoa</i> (Dyar), ♀                | Volusia Co.: Cassadaga    | 9525a  | (McD 2707)   |
| 21 | <i>Neogalea sunia</i> (Guenée), ♀                    | Sarasota Co.: Siesta Key  | 10032  | (McD 2741)   |
| 22 | <i>Ogdoconta tacna</i> (Barnes), ♀                   | Volusia Co.: Cassadaga    | 9724   | (McD 2777)   |
| 23 | <i>Psychomorpha euryrhoda</i> Hampson, ♂             | Duval Co.: New Berlin     | 9310   | (McD 2865)   |

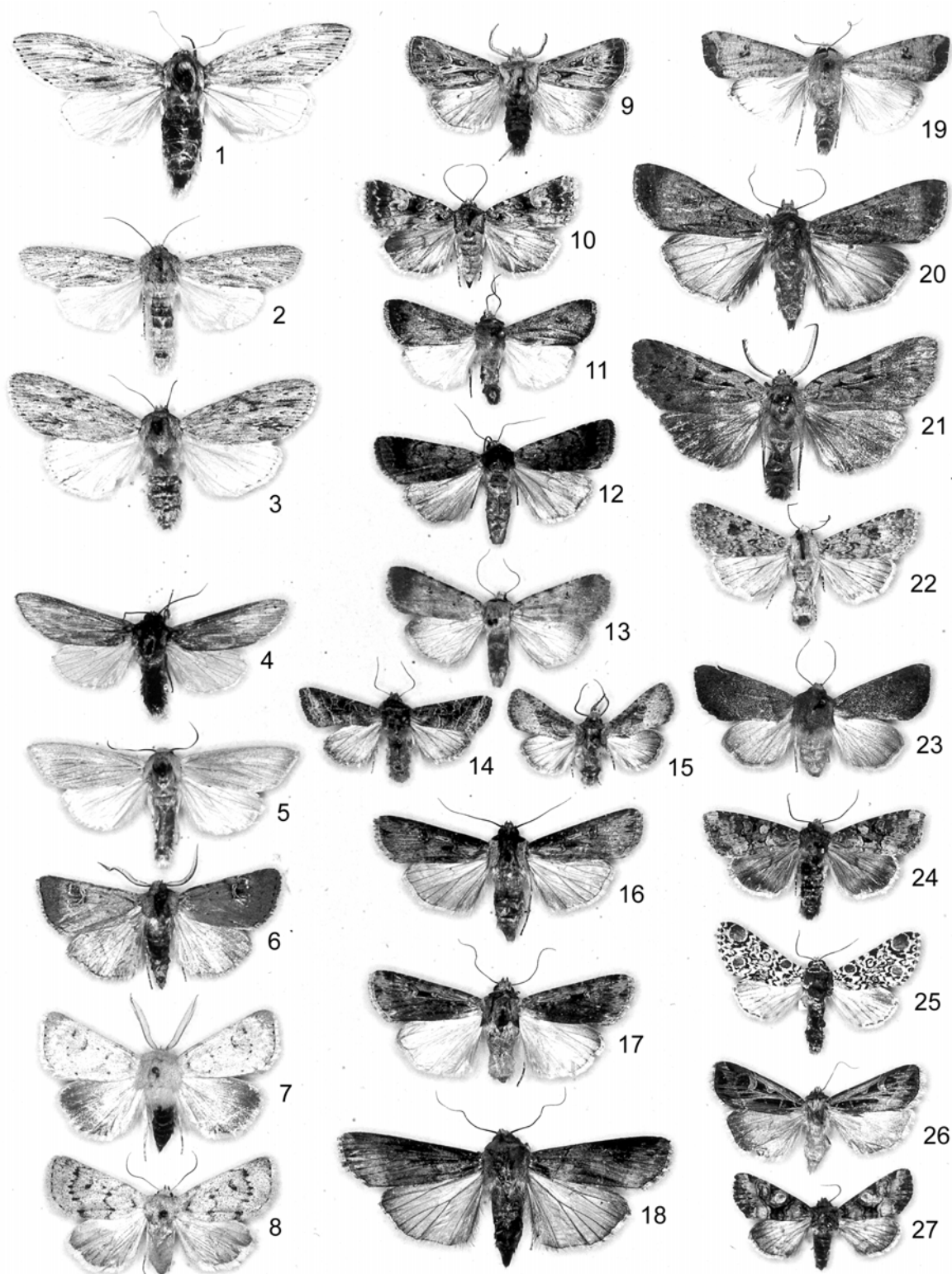
(all figures at 110%)



## PLATE 52. NOCTUIDAE

|    |   |                          |       |            |
|----|---|--------------------------|-------|------------|
| 1  | <i>Acronicta arioch</i> Strecker, ♀                 | Escambia Co.: Pensacola  | 9271  | (McD 1214) |
| 2  | <i>Acronicta oblinita</i> (J. E. Smith), ♂          | Gadsden Co.: Quincy      | 9272  | (McD 1215) |
| 3  | <i>Acronicta oblinita</i> (J. E. Smith), ♀          | New York                 | 9272  | (McD 1215) |
| 4  | <i>Acronicta lanceolaria</i> (Grote), ♂             | Maine                    | 9274  | (McD 1216) |
| 5  | <i>Simyra henrici</i> (Grote), ♂                    | Alachua Co.              | 9280  | (McD 1222) |
| 6  | <i>Eucloptocnemis fimbriaris</i> (Guenée), ♂        | Alachua Co.: Gainesville | 10694 | (McD 1410) |
| 7  | <i>Eucloptocnemis dapsilis</i> (Grote), ♂           | Volusia Co.: Cassadaga   | 10696 | (McD 1412) |
| 8  | <i>Eucloptocnemis dapsilis</i> (Grote), ♀           | Volusia Co.: Cassadaga   | 10696 | (McD 1412) |
| 9  | <i>Agrotis gladiaria</i> Morrison, ♂                | Massachusetts            | 10648 | (McD 1422) |
| 10 | <i>Trichosilia geniculata</i> (Grote & Robinson), ♀ | Volusia Co.: Cassadaga   | 10680 | (McD 1451) |
| 11 | <i>Euagrotis illapsa</i> (Walker), ♂                | Highlands Co.: Childs    | 10903 | (McD 1483) |
| 12 | <i>Euagrotis lubricans</i> (Guenée), ♀              | Escambia Co.: Warrington | 10901 | (McD 1482) |
| 13 | <i>Euagrotis illapsa</i> (Walker), ♀                | New York                 | 10903 | (McD 1483) |
| 14 | <i>Lacinipolia erecta</i> (Walker), ♂               | Gadsden Co.: Quincy      | 10403 | (McD 1743) |
| 15 | <i>Lacinipolia parvula</i> (Herrich-Schäffer), ♂    | Sarasota Co.: Siesta Key | 10424 | (McD 1747) |
| 16 | <i>Agrotis malefida</i> Guenée, ♀                   | Alachua Co.: Gainesville | 10661 | (McD 1434) |
| 17 | <i>Agrotis subterranea</i> (Fabricius), ♂           | Alachua Co.              | 10664 | (McD 1450) |
| 18 | <i>Agrotis ipsilon</i> (Hufnagel), ♀                | Gadsden Co.: Quincy      | 10663 | (McD 1435) |
| 19 | <i>Anicla infecta</i> (Ochsenheimer), ♀             | Volusia Co.: Cassadaga   | 10911 | (McD 1481) |
| 20 | <i>Peridroma saucia</i> (Hübner), ♀                 | Escambia Co.             | 10915 | (McD 1496) |
| 21 | <i>Xestia elimata</i> (Guenée), ♂                   | Escambia Co.             | 10967 | (McD 1561) |
| 22 | <i>Trichoclea florida</i> (J. B. Smith), ♀          | Monroe Co.: Key Largo    | 10257 | (McD 1647) |
| 23 | <i>Trichoclea vindemialis</i> (Guenée), ♀           | Volusia Co.: Cassadaga   | 10264 | (McD 1657) |
| 24 | <i>Trichodestra legitima</i> (Grote), ♂             | Alachua Co.              | 10304 | (McD 1683) |
| 25 | <i>Harrisimemna trisignata</i> (Walker), ♂          | Volusia Co.: Cassadaga   | 9286  | (McD 1223) |
| 26 | <i>Feltia jaculifera</i> (Guenée), ♀                | Colorado                 | 10670 | (McD 1442) |
| 27 | <i>Anepia capsularis</i> (Guenée), ♀                | Gadsden Co.: Quincy      | 10317 | (McD 1804) |

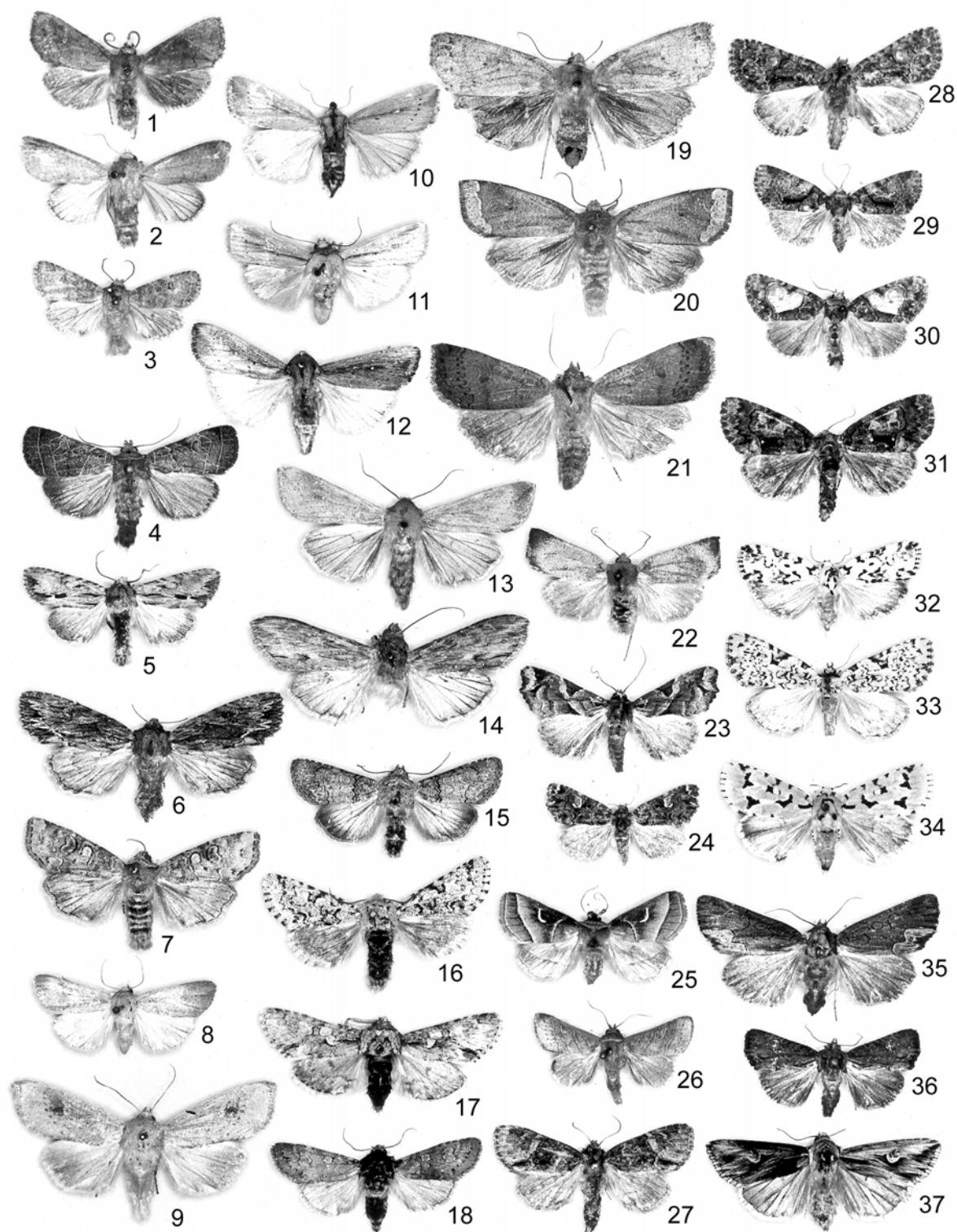
(Originally, Kimball (1965) Plate 11)



## PLATE 53. NOCTUIDAE

|    |   |                              |       |            |
|----|---|------------------------------|-------|------------|
| 1  | <i>Tricholita signata semitropicae</i> (B. & B.), ♀           | Sarasota Co.: Siesta Key     | 10627 | (McD 1821) |
| 2  | <i>Marilopteryx lutina</i> (J. B. Smith), ♂                   | Dade Co.: Homestead          | 10633 | (McD 1827) |
| 3  | <i>Protorthodes oviduca</i> (Guenée), ♂                       | Volusia Co.: Cassadaga       | 10563 | (McD 1855) |
| 4  | <i>Orthodes crenulata</i> (Butler), ♂                         | Escambia Co.                 | 10585 | (McD 1871) |
| 5  | <i>Morrisonia mucens</i> (Hübner), ♀                          | Alachua Co.: Gainesville     | 10519 | (McD 1901) |
| 6  | <i>Morrisonia confusa</i> (Hübner), ♀                         | Alachua Co.: Gainesville     | 10521 | (McD 1904) |
| 7  | <i>Egira alternans</i> (Walker), ♂                            | Escambia Co.                 | 10517 | (McD 1917) |
| 8  | <i>Leucania extincta</i> Guenée, ♂                            | Volusia Co.: Cassadaga       | 10439 | (McD 1966) |
| 9  | <i>Leucania pilipalpis</i> (Grote), ♂                         | Pinellas Co.: St. Petersburg | 10463 | (McD 1972) |
| 10 | <i>Leucania scirpicola</i> Guenée, ♀                          | Sarasota Co.: Siesta Key     | 10455 | (McD 1979) |
| 11 | <i>Leucania scirpicola</i> Guenée, ♂                          | Manatee Co.: Oneco           | 10455 | (McD 1989) |
| 12 | <i>Leucania latiuscula</i> Herrich-Schäffer, ♀                | Seminole Co.: Sanford        | 10454 | (McD 1991) |
| 13 | <i>Pseudaletia unipuncta</i> (Haworth), ♂                     | Alachua Co.: Gainesville     | 10438 | (McD 1994) |
| 14 | <i>Cucullia alfarata</i> Strecker, ♂                          | North Carolina               | 10192 | (McD 2036) |
| 15 | <i>Lepipolys perscripta</i> Guenée, ♂                         | Escambia Co.                 | 10154 | (McD 2063) |
| 16 | <i>Feralia major</i> J. B. Smith, ♂                           | Escambia Co.                 | 10007 | (McD 2185) |
| 17 | <i>Psaphida resumens</i> Walker, ♂                            | Escambia Co.                 | 10019 | (McD 2190) |
| 18 | <i>Psaphida rolandi</i> Grote, ♂                              | Alachua Co.                  | 10014 | (McD 2196) |
| 19 | <i>Chaetaglaea tremula</i> (Harvey), ♀                        | Alachua Co.                  | 9949  | (McD 2290) |
| 20 | <i>Chaetaglaea tremula</i> (Harvey), ♂(ab.)                   | Escambia Co.                 | 9949  | (McD 2290) |
| 21 | <i>Metaxaglaea viatica</i> (Grote), ♀                         | Gadsden Co.: Quincy          | 9944  | (McD 2297) |
| 22 | <i>Xystocheilus rufago</i> (Hübner), ♂                        | Volusia Co.: Cassadaga       | 9942  | (McD 2308) |
| 23 | <i>Callopietria floridensis</i> (Guenée), ♀                   | Volusia Co.: Cassadaga       | 9630  | (McD 2538) |
| 24 | <i>Callopietria mollissima</i> (Guenée), ♀                    | New York                     | 9631  | (McD 2539) |
| 25 | <i>Fagitana littera</i> (Guenée), ♂                           | New York                     | 9629  | (McD 2543) |
| 26 | <i>Phuphena obliqua</i> (J. B. Smith), ♂                      | Volusia Co.: Cassadaga       | 9635  | (McD 2545) |
| 27 | <i>Phosphila turbulenta</i> Hübner, ♂                         | Volusia Co.: Cassadaga       | 9618  | (McD 2548) |
| 28 | <i>Phosphila miselioides</i> (Guenée), ♀                      | Escambia Co.                 | 9619  | (McD 2549) |
| 29 | <i>Chytonix palliatricula</i> (Guenée), ♀                     | Escambia Co.                 | 9556  | (McD 2554) |
| 30 | <i>Chytonix palliatricula</i> (Guenée) (f. <i>iaspis</i> ), ♂ | New York                     | 9556  | (McD 2554) |
| 31 | <i>Chytonix sensilis</i> Grote, ♀                             | Escambia Co.: W. Pensacola   | 9557  | (McD 2555) |
| 32 | <i>Polygrammate hebraicum</i> Hübner, ♀                       | Alachua Co.: Gainesville     | 9285  | (McD 2574) |
| 33 | <i>Leuconycta diphteroides</i> (Guenée), ♂                    | New York                     | 9065  | (McD 2576) |
| 34 | <i>Agriopodes fallax</i> (Herrich-Schäffer), ♀                | Alachua Co.                  | 9281  | (McD 2578) |
| 35 | <i>Dypterygia rozmani</i> Berio, ♀                            | New York                     | 9560  | (McD 2587) |
| 36 | <i>Dypterygia patina</i> (Harvey), ♂                          | Escambia Co.                 | 9561  | (McD 2588) |
| 37 | <i>Nedra ramosula</i> (Guenée), ♀                             | Gadsden Co.: Quincy          | 9582  | (McD 2589) |

(Originally, Kimball (1965) Plate 12)

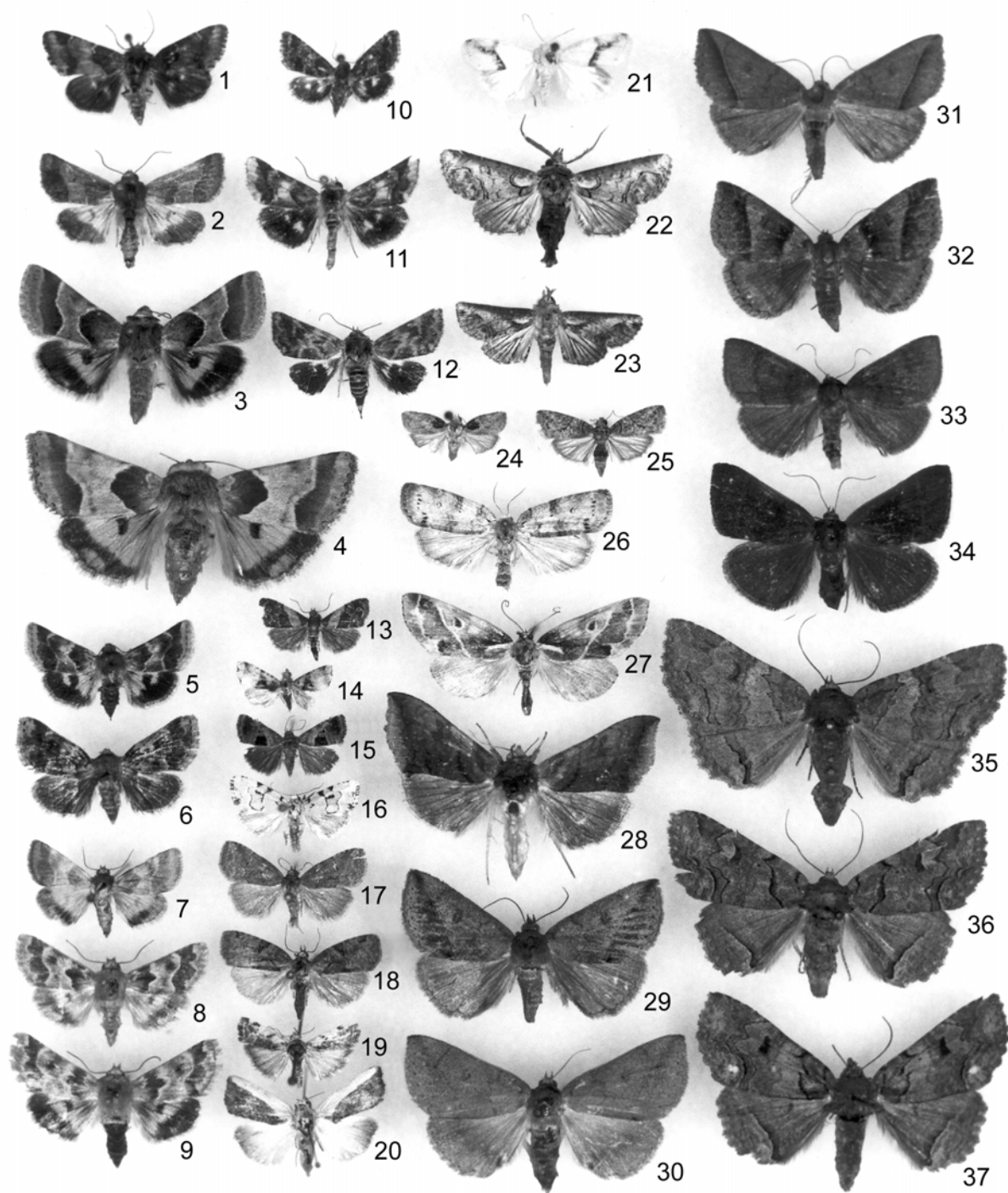




**PLATE 54. NOCTUIDAE, ARCTIIDAE****NOCTUIDAE**

|    |   |                          |        |              |
|----|---|--------------------------|--------|--------------|
| 1  | <i>Schinia bina</i> (Guenée), ♀                               | Alachua Co.: Gainesville | 11105  | (McD 2895)   |
| 2  | <i>Schinia nubila</i> (Strecker), ♂                           | Volusia Co.: Cassadaga   | 11137  | (McD 3009)   |
| 3  | <i>Schinia jaguarina</i> (Guenée), ♂                          | Kansas                   | 11132  | (McD 3014)   |
| 4  | <i>Schinia jaguarina</i> (Guenée), ♀                          | Alachua Co.: Gainesville | 11132  | (McD 3014)   |
| 5  | <i>Schinia obscurata</i> Strecker, ♀                          | Okaloosa Co.: Ocean City | 11118  | (McD 3017)   |
| 6  | <i>Schinia parmeliana</i> (H. Edw.), ♀                        | Okaloosa Co.: Ocean City | 11120  | (McD 3020)   |
| 7  | <i>Schinia sordida</i> J. B. Smith ( <i>labe</i> Strecker), ♀ | Volusia Co.: Cassadaga   | 11112  | (McD 3024)   |
| 8  | <i>Schinia petulans</i> (H. Edwards), ♂                       | Hillsborough Co.: Tampa  | 11113  | (McD 3032)   |
| 9  | <i>Schinia petulans</i> (H. Edwards), ♀                       | Hillsborough Co.: Tampa  | 11113  | (McD 3032)   |
| 10 | <i>Schinia sordida</i> J. B. Smith ( <i>ar</i> Strecker), ♀   | Alachua Co.: Gainesville | 11112  | (McD 3033)   |
| 11 | <i>Schinia bina</i> (Guenée), ♂                               | Volusia Co.: Cassadaga   | 11105  | (McD 2895)   |
| 12 | ? <i>Schinia tuberculum</i> (Hübner), ♀                       | Volusia Co.: Cassadaga   | 11092  | (McD 3039)   |
| 13 | <i>Tripudia flavofasciata</i> Grote, ♂                        | Louisiana                | 9009   | (McD 3079)   |
| 14 | <i>Cobubatha numa</i> (Druce), ♂                              | Monroe Co.: Tavernier    | 9013   | (McD 3079.1) |
| 15 | <i>Tripudia quadrifera</i> (Zeller), ♂                        | Volusia Co.: Cassadaga   | 9003   | (McD 3084)   |
| 16 | <i>Cryphia cyanympha</i> Ferguson, ♂                          | Putnam Co.: Welaka       | 9286.1 | (McD --)     |
| 17 | <i>Hyperstrotia flaviguttata</i> (Grote), ♂                   | Missouri                 | 9039   | (McD 3101)   |
| 18 | <i>Lithacodia indeterminata</i> Barnes & McD., ♀              | Louisiana                | 9054   | (McD 3125)   |
| 19 | <i>Spragueia jaguaralis</i> Hampson, ♂                        | Louisiana                | 9128   | (McD 3150)   |
| 20 | <i>Ponometia exigua</i> (Fabricius), ♀                        | Louisiana                | 9115   | (McD 3158)   |
| 21 | <i>Tarachidia virginalis</i> (Grote), ♀                       | St. Johns Co.            | 9088   | (McD 3178)   |
| 22 | <i>Paectes acutangula</i> Hampson, ♀                          | Monroe Co.: Key Largo    | 8964   | (McD 3232)   |
| 23 | <i>Paectes obrotunda</i> (Guenée), ♀                          | Monroe Co.: Key Largo    | 8966   | (McD 3232.2) |
| 24 | <i>Characoma nilotica</i> (Rogenhofer), ♀                     | Monroe Co.: Craig        | 8974   | (McD 3234)   |
| 25 | <i>Characoma nilotica</i> (Rogenhofer), ♀                     | Missouri                 | 8974   | (McD 3234)   |
| 26 | <i>Comachara cadburyi</i> Franclemont, ♀                      | Volusia Co.: Cassadaga   | 8973.3 | (McD 3234.1) |
| 27 | <i>Baileya doubledayi</i> (Guenée), ♀                         | West Virginia            | 8969   | (McD 3238)   |
| 28 | <i>Allagrapha aerea</i> (Hübner), ♂                           | Louisiana                | 8898   | (McD 3296)   |
| 29 | <i>Argyrostromis herbicola</i> (Guenée), ♂                    | Okaloosa Co.: Shalimar   | 8755   | (McD 3451)   |
| 30 | <i>Argyrostromis herbicola</i> (Guenée), ♀                    | Escambia Co.: Pensacola  | 8755   | (McD 3451)   |
| 31 | <i>Argyrostromis flavistriaria</i> (Hübner), ♂                | Okaloosa Co.: Ocean City | 8759   | (McD 3444)   |
| 32 | <i>Argyrostromis sylvarum</i> (Guenée), ♀                     | Okaloosa Co.: Shalimar   | 8760   | (McD 3452)   |
| 33 | <i>Argyrostromis erasa</i> (Guenée), ♂                        | Okaloosa Co.: Ocean City | 8761   | (McD 3453)   |
| 34 | <i>Argyrostromis quadrifilaris</i> (Hübner), ♀                | Volusia Co.: Cassadaga   | 8762   | (McD 3457)   |
| 35 | <i>Zale confusa</i> McDunnough, ♀                             | Okaloosa Co.: Shalimar   | 8701   | (McD 3487.1) |
| 36 | <i>Zale buchholzi</i> McDunnough, ♂                           | New York                 | 8706   | (McD 3491.1) |
| 37 | <i>Zale curema</i> (J. B. Smith), ♂                           | Massachusetts            | 8709   | (McD 3494)   |

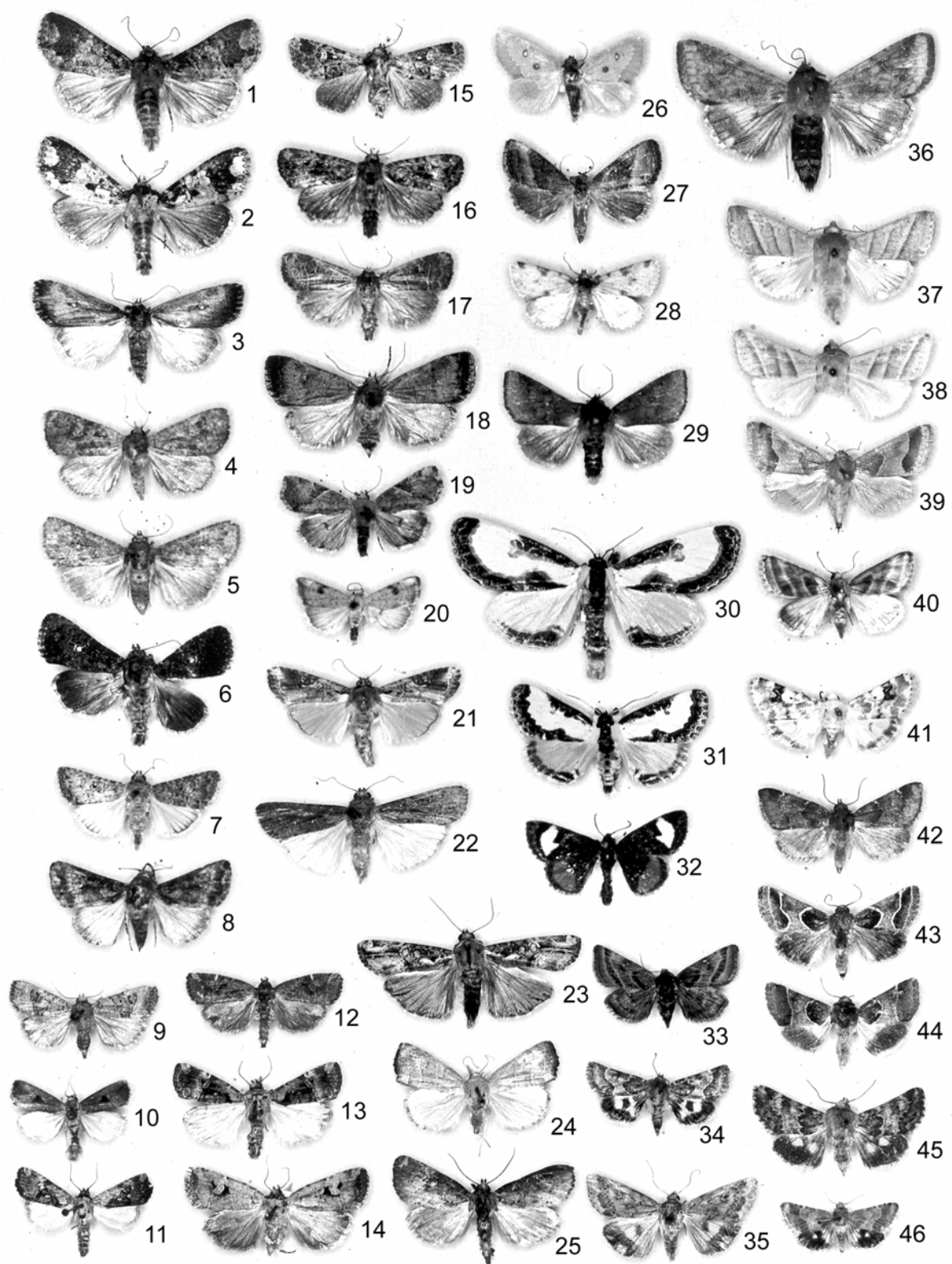
(all figures at 105%)



## PLATE 55. NOCTUIDAE

|    |  |                               |       |              |
|----|--|-------------------------------|-------|--------------|
| 1  | <i>Condica cupentia</i> (Cramer), ♂                            | Sarasota Co.: Siesta Key      | 9713  | (McD 2611)   |
| 2  | <i>Condica confederata</i> (Grote), ♂                          | Sarasota Co.: Siesta Key      | 9714  | (McD 2611.1) |
| 3  | <i>Condica videns</i> (Guenée), ♀                              | Gadsden Co.: Quincy           | 9690  | (McD 2613)   |
| 4  | <i>Perigea xanthioides</i> Guenée, ♀                           | Virginia                      | 9689  | (McD 2610)   |
| 5  | <i>Condica mobilis</i> (Walker), ♂                             | Escambia Co.                  | 9693  | (McD 2617)   |
| 6  | <i>Condica vecors</i> (Guenée), ♂                              | Escambia Co.                  | 9696  | (McD 2620)   |
| 7  | <i>Condica concisa</i> (Walker), ♂                             | Collier Co.: Chokoloskee      | 9698  | (McD 2622)   |
| 8  | <i>Condica albiger</i> a (Guenée), ♀                           | Monroe Co.: Key Largo         | 9702  | (McD 2625)   |
| 9  | <i>Elaphria fuscimacula</i> (Grote), ♂                         | Escambia Co.                  | 9675  | (McD 2642)   |
| 10 | <i>Elaphria nusicolora</i> (Guenée), ♂                         | Dade Co.: Homestead           | 9676  | (McD 2643)   |
| 11 | <i>Elaphria agrotina</i> (Guenée), ♂                           | Dade Co.: Homestead           | 9677  | (McD 2644)   |
| 12 | <i>Elaphria versicolor</i> (Grote), ♂                          | Escambia Co.                  | 9678  | (McD 2645)   |
| 13 | <i>Elaphria chalcedonia</i> (Hübner), ♂                        | Sarasota Co.: Siesta Key      | 9679  | (McD 2646)   |
| 14 | <i>Elaphria festivoides</i> (Guenée), ♀                        | Escambia Co.                  | 9681  | (McD 2647)   |
| 15 | <i>Properigea tapeta</i> (Smith), ♂                            | Hernando Co.: Weekiwachee Co. | 9592  | (McD 2635)   |
| 16 | <i>Elaphria exesa</i> (Guenée), ♂                              | Alachua Co.                   | 9682  | (McD 2648)   |
| 17 | <i>Elaphria grata</i> Hübner, ♂                                | Escambia Co.                  | 9684  | (McD 2650)   |
| 18 | <i>Anorthodes tarda</i> (Guenée), ♂                            | Escambia Co.                  | 9650  | (McD 2651)   |
| 19 | <i>Gonodes liquida</i> (Möschler), ♂                           | Sarasota Co.: Siesta Key      | 9687  | (McD 2665)   |
| 20 | <i>Micrathetis triplex</i> (Walker), ♂                         | Monroe Co.: Windley Key       | 9644  | (McD 2667)   |
| 21 | <i>Spodoptera frugiperda</i> (J. E. Smith), ♂                  | Escambia Co.                  | 9666  | (McD 2682)   |
| 22 | <i>Spodoptera frugiperda</i> (J. E. Smith), ♀                  | Manatee Co.: Bradenton        | 9666  | (McD 2682)   |
| 23 | <i>Magusa orbifera</i> (Walker), ♂                             | Monroe Co.: Key Largo         | 9637  | (McD 2684)   |
| 24 | <i>Bagisara repanda</i> Hübner, ♀                              | Escambia Co.                  | 9168  | (McD 2688)   |
| 25 | <i>Achatodes zeae</i> (Harris), ♂                              | New York                      | 9520  | (McD 2711)   |
| 26 | <i>Derrima stellata</i> Walker, ♂                              | Volusia Co.: Cassadaga        | 11055 | (McD 2719)   |
| 27 | <i>Ogdoconta cinereola</i> (Guenée), ♀                         | Dade Co.: Homestead           | 9720  | (McD 2773)   |
| 28 | <i>Stiriodes obtusa</i> (Herrich-Schäffer), ♂                  | Escambia Co.                  | 9725  | (McD 2832)   |
| 29 | <i>Rhodoecia aurantiago</i> (Guenée), ♂                        | Escambia Co.                  | 11065 | (McD 2716)   |
| 30 | <i>Eudryas grata</i> (Fabricius), ♂                            | Alachua Co.: Gainesville      | 9301  | (McD 2858)   |
| 31 | <i>Eudryas unio</i> Hübner, ♂                                  | North Carolina                | 9299  | (McD 2860)   |
| 32 | <i>Psychomorpha epimenis</i> (Drury), ♂                        | Virginia                      | 9309  | (McD 2864)   |
| 33 | <i>Melaporphyria immortua</i> Grote, ♀                         | Connecticut                   | 11212 | (McD 2916)   |
| 34 | <i>Schinia spinosae</i> (Guenée), ♀                            | Massachusetts                 | 11104 | (McD 2925)   |
| 35 | <i>Heliocheilus paradoxus</i> Grote, ♀                         | Volusia Co.: Cassadaga        | 11074 | (McD 2929)   |
| 36 | <i>Helicoverpa zea</i> (Boddie), ♀                             | Escambia Co.                  | 11068 | (McD 2932)   |
| 37 | <i>Heliothis virescens</i> (Fabricius), ♂                      | Texas                         | 11071 | (McD 2933)   |
| 38 | <i>Heliothis subflexa</i> (Guenée), ♂                          | Illinois                      | 11070 | (McD 2933.1) |
| 39 | <i>Schinia gracilent</i> a Hübner ( <i>bifascia</i> Hübner), ♀ | Escambia Co.                  | 11147 | (McD 2965)   |
| 40 | <i>Schinia trifascia</i> Hübner, ♀                             | Volusia Co.: Cassadaga        | 11149 | (McD 2966)   |
| 41 | <i>Schinia nundina</i> (Drury), ♀                              | Escambia Co.                  | 11177 | (McD 2990)   |
| 42 | <i>Schinia saturata</i> (Grote), ♀                             | Volusia Co.: Cassadaga        | 11140 | (McD 3005)   |
| 43 | <i>Schinia rivulosa</i> (Guenée), ♀                            | Volusia Co.: Cassadaga        | 11135 | (McD 3007)   |
| 44 | <i>Schinia arcigera</i> (Guenée), ♂                            | New York                      | 11128 | (McD 3018)   |
| 45 | <i>Schinia septentrionalis</i> (Walker), ♂                     | New York                      | 11110 | (McD 3030)   |
| 46 | <i>Schinia sordida</i> J. B. Smith, ♂                          | Gadsden Co.: Quincy           | 11112 | (McD 3031)   |

(Originally, Kimball (1965) Plate 13)





**CATALOG OF**  
**FLORIDA LEPIDOPTERA**

## NOTES ON THE CATALOG FORMAT

### CLASSIFICATION

The MONA catalog (Hodges *et al.*, 1983) is followed for the most part but a few groups are rearranged according to more recent information (see Heppner, 1998; also updated generic reviews by various authors) wherever the species number sequence is not altered too greatly. In those cases where numbers cannot be easily found, one can consult the Table of Contents where the MONA numbers are noted for each family. Alternatively, one can also find the genus by page number in the generic index. Several families have new arrangements for species, some of which can be noted in the classification of subfamilies as listed in the family listing (see pp. 71-74), but the 1983 arrangement is followed herein for the most part. McDunnough (1938, 1939) catalog numbers (McD) are also noted where available for reference purposes. A few species have been moved due to new information and have been assigned new MONA numbers using a point system (e.g., 220.1); likewise for species newly described since 1983.

### NAMES

Valid names are in boldface; known synonyms are in italics. All species known to be resident or regularly present in Florida are included in the catalog. Rare strays are listed in the section on strays (see p. 60-61). Erroneous records are noted on p. 62. In some cases where species are known to be undescribed, numbers are assigned and the listing is indicated as [n. sp.]. Following the synonymy listing for each species, the common name is noted if any has been assigned (a few new common names are assigned herein, and also noted in the list of pest species; see p. 46).

### RANGES

The ranges given are for the regions of Florida (see Fig. 43, p. 28 and 228) where each species is known to occur, followed by the total general distribution. Although species are found in the regions indicated, many are localized to particular habitats within their ranges. Localities in brackets ([ ]) indicate presumed valid range limits but have as yet no verified specimens from those areas: these usually are border areas like Georgia when a species is already confirmed for north Florida but no actual records exist for adjacent areas of Georgia.

### DATES

The dates given are the recorded months of flight periods of adults in Florida, but which can represent several generations. Dates in regions further north may vary considerably. For most species, larval activity will usually be during months other than when adults are active. Dates can vary from year to year due to climatic factors. Flight periods will also vary somewhat within Florida for species ranging from temperate northwestern Florida to subtropical Miami and the tropical Keys.

### HOSTS

The hostplants listed include all those recorded for each species, including plants not naturally occurring in Florida. Although many species have numerous hostplants listed, many will prefer only a few of these. Flower records have been excluded from the hostplant list. The scientific name of each hostplant is listed alphabetically by genus, followed by the plant family for each generic entry. Hosts are indexed at the end of the book, along with common names of the plants. Hostplant records are derived from published records (e.g., Kimball, 1965; Tietz, 1972), the DPI identification records, and some personal records of the author and collaborators. In a few cases only the plant family is noted when species are in genera known to feed on particular plants (e.g., grasses) even if the exact hosts for a species may be unknown. In a few cases of unknown hosts, the preferred habitat is noted.

### NOTATIONS

\* species endemic to Florida

T tropical elements in Florida (noted at end of species line)

1.24 Figure (= Pl. 1, Fig. 24, in this example). Plates 21-24 and 26-33 were set up by Kimball for his 1965 book but were excluded in the final printed version; locality data for the specimens on these 12 plates is not available.

[ ] notations in brackets in the "Range" category for each species refer to states not having verified specimens (e.g., some species are known from the Florida-Georgia border and are certainly to be found in Georgia also, but no specimens have been collected yet to verify this; likewise, a couple of species have been added to the Florida list when it is clear, from habitat preferences of known border localities in Alabama or Georgia, that the species will also be found just a few miles away in Florida).

**LEPIDOPTERA**  
 Suborder **GLOSSATA**  
 Cohort **DACNONYPHA**  
 Infraorder **DACNONYPHA**

**ERIOCRANIOIDEA**

**ERIOCRANIIDAE**

- DYSERIOCRANIA** Spuler, 1910 **1.22-23**  
*Mnemonic* Meyrick, 1912  
 3 **griseocapitella** (Walsingham, 1898) (McD 9854)  
*auricayana*.– auct. (not Walsingham, 1882)  
*auricrinella* Fracker, 1930  
 Range.– I-IIA (e. N.Am.: N.S.-FL/MI-TX)  
 Dates.– Feb-Mar  
 Hosts.– *Castanea dentata*, *C. molissima*, *C. pumila* (Fagaceae)  
*Quercus alba*, *Q. borealis*, *Q. falcata*, *Q. velutina* (Fagaceae)

- ERIOCRANIELLA** Viette, 1949  
 Subgenus **DISFURCULA** Davis, 1978  
 13.1 **mediabulla** Davis, 1986 **1.24**  
 Range.– I-III (Gulf Coast: FL-TX)  
 Dates.– Feb-Apr  
 Hosts.– *Quercus falcata*, *Q. nigra*? (Fagaceae)

Cohort **MYOGLOSSATA**  
 Subcohort **NEOLEPIDOPTERA**  
 Infraorder **HETERONEURA**  
 Division **MONOTRYZIA**  
 Section **NEPTICULINA**

**NEPTICULOIDEA**

**NEPTICULIDAE**

- ECTOEDEmia** Busck, 1907  
*Dechiria* Beirne, 1945  
 43 **platanella** (Clemens, 1861) (McD 9760)  
*maximella* (Chambers, 1873)  
 Range.– I-IV (e. N.Am.: Ont.-FL/OH-TX)  
 Dates.– Apr-Jun, Sep, Nov  
 Hosts.– *Platanus occidentalis* (Platanaceae)  
*Quercus rubra* (Fagaceae)  
 44 **clemensella** (Chambers, 1873) (McD 9761)  
 Range.– I-IV (e. N.Am.: Ont.-FL/OH-TX?)  
 Dates.– May, Aug  
 Hosts.– *Platanus occidentalis* (Platanaceae)  
 45 **anguinella** (Clemens, 1861) (McD 9762/9780/9781)  
*platea* (Clemens, 1861)  
*similella* (Braun, 1917)  
 Range.– I-IV (e. U.S.: VA-FL/OH-TX?)  
 Dates.– Mar, May, Sep, Nov  
 Hosts.– *Quercus palustris*, *Q. rubra* (Fagaceae)  
 46 **virgulae** (Braun, 1927) (McD 9751)  
 Range.– I-IV (e. U.S.: VA-FL/OH-TX?)

- Dates.– May  
 Hosts.– *Corylus americana* (Betulaceae)  
 50 **nyssaefoliella** (Chambers, 1880) (McD 9752)  
 Range.– I (se. U.S.: NC-FL/OH-TX)  
 Dates.– Oct  
 Hosts.– *Nyssa sylvatica* (Nyssaceae)  
 53 **obrutella** (Zeller, 1873) (McD 9782) **1.17**  
*bosquella* (Chambers, 1878)  
 Range.– I-IV (e. U.S.: NC-FL/IL-TX)  
 Dates.– Mar-May  
 Hosts.– *Quercus* sp. (Fagaceae)  
 \*58 **mesoloba** Davis, 1979  
 Range.– IA (Florida)  
 Dates.– Nov  
 Hosts.– Unknown  
 \*58.1 **reneella** Wilkinson, 1981  
 Range.– IV (Florida)  
 Dates.– Apr-May  
 Hosts.– Unknown  
 \*58.2 **helenella** Wilkinson, 1981  
 Range.– IV (Florida)  
 Dates.– Feb, Apr  
 Hosts.– Unknown

- STIGMELLA** Schrank, 1802  
*Nepticula* Heyden, 1843  
*Stigmalla* Herrich-Schäffer, 1853, missp.  
*Dysnepticula* Börner, 1925  
*Astigmella* Puplesis, 1984  
 76 **gossypii** (Forbes & Leonard, 1930) (McD--) T  
 Cotton leafminer  
 Range.– IV-VIII (FL; West Indies)  
 Dates.– Apr  
 Hosts.– *Gossypium* sp., *G. barbadense*, *G. hirsutum* (Malvaceae)  
 \*76.1 **inconspicua** Newton & Wilkinson, 1982  
 Range.– VI (Florida)  
 Dates.– Apr  
 Hosts.– *Gossypium* sp. (Malvaceae)  
 79 **slingerlandella** (Kearfott, 1908) (McD 9753)  
 Range.– I-VIII (e. N.Am.: Ont.-FL/MI-MS)  
 Dates.– Oct  
 Hosts.– *Prunus nigra*, *P. pensylvanica*, *P. serotina* (Rosaceae)  
 88 **latifasciella** (Chambers, 1878) (McD 9772)  
*macrocarpa* (T. N. Freeman, 1967)  
 Range.– IA (N.Am.: Ont.-FL/B.C.-TX)  
 Dates.– Jan  
 Hosts.– *Quercus macrocarpa*, *Q. palustris*, *Q. rubra* (Fagaceae)  
 90 **castaneaefoliella** (Chambers, 1875) (McD 9767)  
 Range.– IA (e. N.Am.: Ont.-FL/OH-MS)  
 Dates.– Mar  
 Hosts.– *Castanea dentata* (Fagaceae)  
 93 **ostreaefoliella** (Clemens, 1861) (McD 9738)  
*caryaefoliella* (Clemens, 1861)  
*obscura* (Braun, 1912)  
 Range.– I-IV (e. N.Am.: Ont.-FL/OH-TX; B.C.)  
 Dates.– May  
 Hosts.– *Carpinus* sp. (Betulaceae)  
*Carya ovata* (Juglandaceae)  
*Myrica* sp. (Myricaceae)  
*Ostrya* sp. (Betulaceae)  
 94 **myricafoliella** (Busck, 1900) (McD 9741)  
 Range.– I-IV (e. N.Am.: N.S.-FL/MI-TX)



- Dates.- Mar  
 Hosts.- *Myrica cerifera* (Myricaceae)  
 95 **juglandifoliella** (Clemens, 1861) (McD 9747)  
 Pecan serpentine leafminer  
 Range.- IA (e. U.S.: VA-FL/OH-TX)  
 Dates.- Sep  
 Hosts.- *Carya illinoensis* (Juglandaceae)  
*Juglans* sp. (Juglandaceae)  
 97 **condaliafoliella** (Busck, 1900) (McD 9746) T  
 Range.- IV-VIII (FL; West Indies)  
 Dates.- Feb, May-Jun  
 Hosts.- *Krugiodendron ferreum* (Rhamnaceae)

- ACALYPTRIS** Meyrick, 1921  
*Microcalyptris* Braun, 1925  
*Weberia* Müller-Rutz, 1934, preocc. (Robin-  
 eau-Desvoidy, 1830)  
*Niepelitia* Strand, 1934, repl. name  
*Weberina* Müller-Rutz, 1934, repl. name  
 \*112.1 **bipinnatellus** Wilkinson, 1979  
 Range.- IV-VI (Florida)  
 Dates.- Jan, May-Jun  
 Hosts.- Unknown  
 \*113 **bicornutus** (Davis, 1979), **n. comb. T**  
*bicornutus* Davis, 1981, missp.  
 Range.- VIIIA (Florida)  
 Dates.- Sep-Nov  
 Hosts.- Unknown  
 \*115 **tenuijuxtus** (Davis, 1979), **n. comb. T**  
 Range.- VIIIA (Florida)  
 Dates.- Oct-Nov  
 Hosts.- Unknown

- ENTEUCHA** Meyrick 1915  
*Johanssonia* Borkowski, 1972, preocc. (Sel-  
 ensky, 1914)  
*Artaversala* Davis, 1979  
*Oligoneura* Davis, 1979, preocc. (Bigot,  
 1878)  
*Manoneura* Davis, 1979, repl. name  
*Johanssoniella* Kocak, 1981, repl. name  
 \*117 **basidactyla** (Davis, 1979) T  
 Range.- IV-VIII (Florida)  
 Dates.- Jan  
 Hosts.- *Coccoloba uvifera* (Polygonaceae)  
 \*118 **gilvafascia** (Davis, 1979), **n. comb. T**  
 Seagrape leafminer  
 Range.- V-VIII (Florida)  
 Dates.- Apr, Jun, Oct-Dec  
 Hosts.- *Coccoloba uvifera* (Polygonaceae)

## OPOSTEGIDAE

- PSEUDOPOSTEGA** Koslov, 1985  
 121 **albagaleriella** (Clemens, 1862) (McD 9402)  
*napaeella* (Clemens, 1872)  
*albogalleriella* (Forbes, 1923), missp.  
 Range.- I-IV (e. U.S.: MA-FL/AR-TX)  
 Dates.- Feb, Sep, Dec  
 Hosts.- Unknown  
 122 **quadristrigella** (Chambers, 1876) (McD 9404)  
*accessoriella* (Frey & Boll, 1876)  
 Range.- I-IV (e. U.S.: PA-FL/IL-TX)  
 Dates.- May-Jul  
 Hosts.- *Ribes* sp. (Saxifragaceae)

- \*124 **kempella** (Eyer, 1967)  
 Range.- VIIIB (Florida)  
 Dates.- May  
 Hosts.- Unknown

- OPOSTEGOIDES** Koslov, 1985  
 125 **scioterma** (Meyrick, 1920) (McD 9405)  
*nonstriga*.- (Grossenbacher, 1910), misid.  
 (not Chambers, 1881)  
 Range.- I-IV (N.Am.: Ont.-FL/B.C.-OR)  
 Dates.- Mar, Jun  
 Hosts.- *Ribes* sp. (Saxifragaceae)

## TISCHERIOIDEA

## TISCHERIIDAE

- TISCHERIA** Zeller, 1839  
*Evexia* Gistl, 1847  
*Philodoxa* Gistl, 1848  
*Coptotriche* Walsingham, 1890  
*Tisheria* Busck, 1903, missp.  
 \*130 **lucida** Braun, 1972  
 Range.- IV (Florida)  
 Dates.- Apr-May  
 Hosts.- Unknown  
 140 **castaneaeella** Chambers, 1875 (McD 9485)  
*castanella* Walsingham, 1891, emend.  
*cinerotunicella* Braun, 1927  
 Range.- I-III (e. U.S.: VA-FL/IL-TX?)  
 Dates.- Feb  
 Hosts.- *Castanea dentata* (Fagaceae)  
*Quercus alba*, *Q. bicolor*, *Q. coccinea*, *Q. marilan-*  
*dica*, *Q. phellos*, *Q. prinus*, *Q. rubra*, *Q. velu-*  
*tina* (Fagaceae)  
 142 **sulphurea** Frey & Boll, 1878 (McD 9482)  
 Range.- I-IV (se. U.S.: GA-FL/LA-TX)  
 Dates.- Feb-Mar  
 Hosts.- *Quercus* sp. (Fagaceae)  
 143 **zelleriella** Clemens, 1859 (McD 9512)  
*complanoides* Frey & Boll, 1873  
*latipennella* Chambers, 1878  
 Range.- I (e. N.Am.: Que.-FL/IL-TX)  
 Dates.- Mar-Jun  
 Hosts.- *Quercus alba*, *Q. bicolor*, *Q. prinus*, *Q. rubra*, *Q.*  
*stellata* (Fagaceae)  
 144 **quercitella** Clemens, 1863 (McD 9489)  
*tinctoriella* Chambers, 1875  
 Range.- I-III (e. N.Am.: Ont.-FL/IL-TX)  
 Dates.- [Apr], [Jun], Aug  
 Hosts.- *Quercus alba*, *Q. ilicifolia*, *Q. nigra*, *Q. prinus*, *Q.*  
*stellata*, *Q. velutina* (Fagaceae)  
 149 **aenea** Frey & Boll, 1873 (McD 9509) **2.14**  
 Blackberry leafminer  
 Range.- I-IV (e. U.S.: MA-FL/IL-TX)  
 Dates.- Jan-Feb, Apr-Sep, Nov-Dec  
 Hosts.- *Rubus* sp., *R. allegheniensis*, *R. flagellaris*, *R. fron-*  
*dosus*, *R. occidentalis*, *R. villosus* (Rosaceae)  
 160 **ambrosiaeella** Chambers, 1875 (McD 9503)  
*ambrosiella* Walsingham, 1890, missp.  
 Range.- I-VI (se. U.S.: VA-FL/MO-TX)  
 Dates.- Aug  
 Hosts.- *Ambrosia artemisiifolia*, *A. trifida* (Compositae)

Section **INCURVARIINA****INCURVARIOIDEA****PRODOXIDAE****TEGETICULA** Zeller, 1873*Pronuba* Riley, 1872, preocc. (Thomson, 1869)*Promiba* Kirby, 1874, missp.*Thia* H. Edwards, 1888, preocc. (Leach, 1815)*Thelethia* Dyar, 1893, repl. name*Valentinia* Coolidge, 1909, preocc. (Walsingham, 1907)198 **yuccasella** (Riley, 1872) (McD 9834)*alba* Zeller, 1873*yuccaella* (Boll, 1876), missp*mexicana* Bastida, 1962*Yucca* moth

Range.- I-VI (e. N.Am.: Ont.-FL/Alb.-NM; Mex.)

Dates.- Mar-Jul

Hosts.- *Yucca aloifolia*, *Y. constricta*, *Y. filamentosa*, *Y. glauca*, *Y. pallida*, *Y. reverchoni*, *Y. rupicola* (Agavaceae)\*198.1 **cassandra** Pellmyr, 1999*yuccasella*.- auct., misid. (not Riley, 1872)

Range.- I-IV (Florida)

Dates.- May-Jun

Hosts.- *Yucca aloifolia*, *Y. filamentosa* (Agavaceae)198.2 **intermedia** (Riley, 1881) (McD 9824)*yuccasella*.- auct., misid. (not Riley, 1872)

Range.- I-IV (e. N.Am.: CT-FL/CO-NM)

Dates.- May-Jul

Hosts.- *Yucca aloifolia*, *Y. baileyi*, *Y. constricta*, *Y. filamentosa*, *Y. glauca* (Agavaceae)**PRODOXUS** Riley, 1880200 **quinquepunctella** (Chambers, 1875) (McD 9823) 1.18*paradoxa* Chambers, 1878*decipiens* Riley, 1880

Range.- I-VI (U.S.: MA-FL/MT-CA; Mex.)

Dates.- Mar-Jun

Hosts.- *Yucca aloifolia*, *Y. filamentosa* (Agavaceae)**ADELIDAE****ADELA** Latreille, 1796*Capillaria* Haworth, 1828*Metallitis* Sodoffsky, 1837*Aedilis* Gistl, 1848*Dicta* Chambers, 1873*Odela* Christoph, 1882, missp.227 **caeruleella** Walker, 1863 (McD 9847) 1.20-21*bella* Chambers, 1873*chalybeis* Zeller, 1873*iochora* Zeller, 1877*iochroa* Walsingham, 1880, missp.*aeruginosella* Walsingham, 1890

Southern longhorn moth

Range.- I-III (e. N.Am.: Que.-FL/OH-TX)

Dates.- Feb-Apr

Hosts.- Unknown

**HELIOZELIDAE****ANTISPILA** Hübner, [1825]234 **nysaefoliella** Clemens, 1860 (McD 8985)*nysaefoliella* Chambers, 1878, missp.

Tupelo leafminer

Range.- I (e. U.S.: NY-FL/[AR]-TX)

Dates.- May

Hosts.- *Nyssa caroliniana* (Nyssaceae)\*235 **eugeniella** Busck, 1900 (McD 8981)

Range.- IV (Florida)

Dates.- Feb

Hosts.- *Eugenia rhombea* (Myrtaceae)**COPTODISCA** Walsingham, 1895*Aspidisca* Clemens, 1874, preocc. (Ehrensberg, 1830)244 **diospyriella** (Chambers, 1874) (McD 8989)

Range.- I-IV (e. U.S.: VA-FL/OH-TX)

Dates.- Sep

Hosts.- *Diospyros virginiana* (Ebenaceae)\*245 **condaliae** Busck, 1900 (McD 8990) T

Range.- IV-VIII (Florida)

Dates.- Feb

Hosts.- *Krugiodendron ferreum* (Rhamnaceae)Division **DITRYSIA**Section **TINEINA**Subsection **TINEINA****TINEOIDEA**Series **TINEIFORMES****ACROLOPHIDAE****AMYDRIINAE****AMYDRIA** Clemens, 1859*Casape* Walker, 1864*Amadria* Chambers, 1875, missp.*Amadrya* Chambers, 1875, missp.*Amydrya* Kearfott, 1903, missp.329 **brevipennella** Dietz, 1905 (McD 9586)

Range.- IA (e. U.S.: MD-FL/IL-TX?)

Dates.- May, Oct

Hosts.- detritus

333 **dyarella** Dietz, 1905 (McD 9597)

Range.- I-II (e. U.S.: MD-FL)

Dates.- Mar, Aug

Hosts.- detritus

335 **margoriella** Dietz, 1905 (McD 9599)*marjorieella* Dietz, 1905, missp.*margorieella* Dietz, 1905, missp.*majoriella* Busck, 1906, missp.

Range.- I-VI (se. U.S.: SC-FL/KS-TX)

Dates.- Feb-Sep, Nov

Hosts.- detritus

**ACROLOPHINAE****ACROLOPHUS** Poey, 1832*Anaphora* Clemens, 1859*Derchis* Walker, 1863*Hibita* Walker, 1863

- Tirasia* Walker, 1863  
*Daulia* Walker, 1863, preocc. (Walker, 1859)  
*Eddara* Walker, 1863, preocc. (Walker, 1858)  
*Bazira* Walker, 1864  
*Phlongia* Walker, 1864  
*Urbara* Walker, 1864  
*Tachasara* Walker, 1865  
*Eutheca* Grote, 1881, preocc. (Kiesenwetter, 1877)  
*Eulepiste* Walsingham, 1882  
*Pseudoconchylis* Walsingham, 1884  
*Neolophus* Walsingham, 1887  
*Homonymus* Walsingham, 1887  
*Hypoclopus* Walsingham, 1887  
*Thysanocelis* Walsingham, 1887  
*Thysanoskelis* Walsingham, 1887, missp.  
*Ankistrophorus* Walsingham, 1887  
*Caenogenes* Walsingham, 1887  
*Felderia* Walsingham, 1887  
*Ortholophus* Walsingham, 1887  
*Pseudanaphora* Walsingham, 1887  
*Sapinella* Kirby, 1892  
*Atopocera* Walsingham, 1897  
*Pilanophora* Walsingham, 1897  
*Thysanosedes* Druce, 1901, missp.  
*Hypocolpus* Dyar, [1903], missp.  
*Anophora* Kearfott, 1903, missp.  
*Brachysymbola* Meyrick, 1912  
*Orothyntis* Meyrick, 1913  
*Apoclis* Walsingham, 1914  
*Psephocrita* Meyrick, 1919  
*Xerochausta* Meyrick, 1928  
*Anaphorina* Strand, 1932  
*Acrolephus* Portier, 1949, missp.
- 340 **arcanella** (Clemens, 1859) (McD 9582) **2.27**  
 Grass tubeworm  
 Range.- I-VI (e. U.S.: NH-FL/NE-TX)  
 Dates.- Mar-Dec  
 Hosts.- grass (Gramineae)
- 343 **bicornutus** Hasbrouck, 1964  
 Range.- I-IV (se. U.S.: SC-FL/IL-TX)  
 Dates.- Apr-Sep  
 Hosts.- grass (Gramineae)
- 347 **cressoni** (Walsingham, 1882) (McD 9546) **2.25**  
 Range.- I-IV (so. U.S.: FL-AZ)  
 Dates.- May-Oct  
 Hosts.- grass (Gramineae)
- \*350 **exaphristus** Meyrick, 1919 (McD 9572)  
 Range.- "Florida"  
 Dates.- ?  
 Hosts.- grass (Gramineae)
- 353 **forbesi** Hasbrouck, 1964  
 Range.- I-IV (se. U.S.: NC-FL/LA-TX?)  
 Dates.- Apr-Sep  
 Hosts.- grass (Gramineae)
- 355.1 **heppneri** Davis, 1990 T  
 Range.- I-VI (Gulf Coast: FL-TX; Bahamas)  
 Dates.- Feb-Dec  
 Hosts.- *Lygodium microphyllum* (Schizaeaceae)  
           ?*Saccharum officinarum* (Gramineae)
- 366 **mortipennella** (Grote, 1872) (McD 9555)  
 Range.- I-VI (e. U.S.: PA-FL/IA-TX)  
 Dates.- Apr-May  
 Hosts.- grass (Gramineae)
- 367 **morus** (Grote, 1881) (McD 9585)  
 Range.- I (e. U.S.: NH-FL/MN-KY)
- Dates.- Jun  
 Hosts.- grass (Gramineae)
- 367.1 **mycetophagus** Davis, 1990 **2.29**  
 Range.- I-VI (se. U.S.: VA-FL/LA-TX)  
 Dates.- Feb-Sep  
 Hosts.- bracket fungus
- 368 **panamae** Busck, 1914 (McD --) T  
 Range.- I-VI (e. U.S.: NJ-FL/LA-TX; Mex.-Panama)  
 Dates.- May-Aug  
 Hosts.- grass (Gramineae)
- \*370.1 **pholeter** Davis, 1988  
 Range.- II (Florida)  
 Dates.- May-Jul, Sep-Dec  
 Hosts.- detritus (in gopher tortoise burrows)
- 371 **piger** (Dyar, 1900) (McD 9579) **2.26**  
 Range.- I-IV (Gulf Coast: FL-TX)  
 Dates.- May-Oct  
 Hosts.- grass (Gramineae)
- 372 **plumifrontella** (Clemens, 1859) (McD 9556/9557) **9.51**  
           *bombycinus* (Zeller, 1873)  
           *cervinus* Walsingham, 1887  
           *angustipennellus* Beutenmüller, 1887  
           Eastern grass tubeworm
- Range.- I-VI (e. U.S.: NH-FL/NE-TX)  
 Dates.- Mar-Oct  
 Hosts.- grass (Gramineae)
- 373 **popeanella** (Clemens, 1859) (McD 9566/9568/9570/9575) T  
           *agrotipennellus* (Grote, 1872)  
           *scardinus* (Zeller, 1873)  
           *morrisoni* (Walsingham, 1887)  
           *confusellus* (Dyar, 1900)  
           Clemens' grass tubeworm
- Range.- I-VIII (U.S.: NJ-FL/NE-AZ; West Indies; Mex.-S.Am.)  
 Dates.- Feb, Apr-Sep, Nov  
 Hosts.- grass (Gramineae)
- 374 **propinquus** (Walsingham, 1887) (McD 9567/9569/9576) **2.24**  
           *tenuis* (Walsingham, 1887)  
           *violaceellus* Beutenmüller, 1887  
           *busckellus* (Haimbach, 1915)  
           Walsingham's grass tubeworm
- Range.- I-VI (e. U.S.: MA-FL/IL-TX?)  
 Dates.- Apr-Sep  
 Hosts.- grass (Gramineae)
- 381 **simulatus** Walsingham, 1882 (McD 9561) **2.23**  
 Range.- I-III (se. U.S.: NC-FL/AR-TX)  
 Dates.- Jun-Aug  
 Hosts.- grass (Gramineae)
- 382.1 **spilotus** Davis, 1990 **2.30**  
 Range.- I-VI (se. U.S.: FL-MS)  
 Dates.- Mar-Jun, Aug-Oct  
 Hosts.- grass (Gramineae)
- 383 **texanella** (Chambers, 1878) (McD 9558/9559/9565) **9.52**  
           *hulstellus* Beutenmüller, 1887  
           *barnesi* (Dyar, 1900)  
           Texas grass tubeworm
- Range.- I-VI (e. U.S.: MD-FL/IL-TX)  
 Dates.- Apr-Dec  
 Hosts.- grass (Gramineae)

## TINEIDAE

## NEMAPOGONINAE

NEMAPOGON Schrank, 1802

*Diaphthirus* Hübner, [1825]261 **acapnopennella** (Clemens, 1863) (McD 9678)*minutipulvella* (Chambers, 1875)*minutipulnella* (Dietz, 1905), missp.

Range.- IA (e. N.Am.: Que.-FL/WI-TX)

Dates.- Feb, Nov

Hosts.- *Polyporus tulipiferus* (Polyporaceae)  
detritus?  
fungus263 **auropulvella** (Chambers, 1873) (McD 9677)*auripulvella* (Dietz, 1905), missp.

Range.- IA (N.Am.: NH-FL/B.C.-TX?)

Dates.- Feb

Hosts.- detritus?

fungus

266 **granella** (Linnaeus, 1758) (McD 9684/9685/9686/  
9693)*costotristrigella* (Chambers, 1873)*fuscumaculella* (Chambers, 1873)*marmorella* (Chambers, 1875)*costitrigella* (Dietz, 1905), missp.*fascomaculella* (Dietz, 1905), missp.*nigroatomella* (Dietz, 1905)

European grain moth

Range.- I-VI (N.Am. [introd.]: Que.-FL/B.C.-CA; West  
Indies; Mex.-S. Am; Europe)

Dates.- Jul

Hosts.- dried fruits

fungus

grain

*Polyporus* sp. (Polyporaceae)272 **rileyi** (Dietz, 1905) (McD 9672/9680)*atriflua* (Meyrick, 1919)

Range.- I-VI (e. U.S.: PA-FL/IL-TX)

Dates.- Jan-Feb, Apr-Jun, Sep-Dec

Hosts.- detritus?

fungus

275 **variatella** (Clemens, 1859) (McD 9682/9686, part/  
9689)*apicisignatella* (Dietz, 1905)*fulvisuffusella* (Dietz, 1905)*personella* (Pierce & Metcalfe, 1934)

Range.- I-VIII (e. U.S.: NY-FL/IL-TX?)

Dates.- Jan-Feb, Dec

Hosts.- detritus

fungus

## MEESSIINAE

DIACHORISIA Clemens, 1860

279 **velatella** (Clemens, 1860) (McD 9690/9692/9702)*fuscopulvella* (Chambers, 1873)*maculabella* (Chambers, 1873)

Range.- I-III (e. U.S.: PA-FL/IL-TX)

Dates.- Jan-May, Aug-Sep, Nov-Dec

Hosts.- fungus

HOMOSETIA Clemens, 1863

*Pitys* Chambers, 1873*Pityo* Chambers, 1876, missp.*Semele* Chambers, 1875*Calostinea* Dietz, 1905284 **argentinotella** (Chambers, 1876) (McD 9704)

Range.- I-II (e. U.S.: PA-FL/IL-TX)

Dates.- Jun, Sep

Hosts.- detritus?

287 **bifasciella** (Chambers, 1876) (McD 9706)*obscuraella* Dietz, 1905

Range.- I-III (e. U.S.: PA-FL/KS-TX)

Dates.- May, Sep

Hosts.- detritus?

288 **chrysoadspersella** Dietz, 1905 (McD 9707)

Range.- I-IV (e. U.S.: MD-FL/OH-LA)

Dates.- Jan

Hosts.- detritus?

ISOCORYPHA Dietz, 1905

299 **mediositriatella** (Clemens, 1865) (McD 9819)*auristrigella* (Chambers, 1873)

Range.- I-IV (e. U.S.: PA-FL/IL-TX)

Dates.- Apr, Oct

Hosts.- detritus?

HYBROMA Clemens, 1862

300 **servulella** Clemens, 1862 (McD 9697)*aurosuffusella* (Chambers, 1873)

Range.- IA (e. U.S.: MA-FL/IL-TX)

Dates.- Jun, Sep

Hosts.- detritus?

HOMOSTINEA Dietz, 1905

*Homotinea* Meyrick, 1932, emend.301 **curviliiniella** Dietz, 1905 (McD 9694)

Range.- I-VI (e. U.S.: MD-FL/IL-TX)

Dates.- Jan-Dec

Hosts.- detritus?

1.5 POMPOSTOLELLA Fletcher, 1940

*Pompostola* Meyrick, 1927, preocc. (Hübner,  
1819)302 **charipepla** (Meyrick, 1927) (McD --) T

Range.- III-VIII (FL; Bermuda; West Indies)

Dates.- Aug

Hosts.- detritus?

## ERECHTHIINAE

ERECHTHIAS Meyrick, 1880

*Ereunetis* Meyrick, 1880*Decadarchis* Meyrick, 1886*Nesoxena* Meyrick, 1929*Amphisyncentris* Meyrick, 1933*Caryolestis* Meyrick, 1937*Triadogona* Meyrick, 1937*Anemerarcha* Meyrick, 1937*Erechthias* Ghesquière, 1940, missp.*Tinexotaxa* Gozmány, 1968*Neodecadarchis* Zimmerman, 1978*Lepidobregma* Zimmerman, 1978*Pantheus* Zimmerman, 1978303 **zebrina** (Butler, 1881) (McD --) T*lanceolata* (Walsingham, 1897)*xenica* (Meyrick, 1911)*travestita* Gozmány, 1968

Range.- IV (FL; West Indies-S.Am.; Hawaii; Old World)

- tropics)  
 Dates.- Nov-Dec  
 Hosts.- detritus  
 304 **minuscula** (Walsingham, 1897) (McD 9424.1) T **2.19**  
 Caribbean scavenger moth  
 Range.- II-VI (FL; West Indies-S.Am.; Hawaii; Old World tropics)  
 Dates.- Feb-Jul, Oct-Dec  
 Hosts.- *Acacia koa*, *A. koaia* (Leguminosae)  
*Ananas comosus* (Bromeliaceae)  
*Calotropis* sp. (Asclepiadaceae)  
*Carica papaya* (Caricaceae)  
*Cassia* sp. (Leguminosae)  
*Ficus* sp. (Moraceae)  
*Lantana* sp. (Verbenaceae)  
*Litchi chinensis* (Sapindaceae)  
*Musa* sp. (Musaceae)  
*Pandanus* sp. (Pandanaceae)  
*Pipturus* sp. (Urticaceae)  
*Sabal parviflora* (Palmae)  
*Sapindus oahuensis* (Sapindaceae)  
*Sicana odorifera* (Cucurbitaceae)  
*Solanum melongena* var. *esculentum* (Solanaceae)  
*Tamarindus* sp. (Leguminosae)  
 palm (Palmae)

### SCARDIINAE

- MEA** Busck, 1906  
*Progonia* Dietz, 1904, preocc. (Berg, 1882)  
 305 **bipunctella** (Dietz, 1905) (McD 9700) **1.9**  
 Range.- I-IV (e. U.S.: PA-FL/IL-TX)  
 Dates.- Mar-Jul, Sep-Nov  
 Hosts.- detritus?  
 306 **skinnerella** (Dietz, 1905) (McD 9699/9701)  
*floridella* (Dietz, 1905)  
 Range.- I-II (e. U.S.: NJ-FL/IL-TX)  
 Dates.- Jun-Jul, Oct  
 Hosts.- detritus?  
**CHOROPLECA** Durrant, 1914  
*Cyane* Chambers, 1873, preocc. (C. Felder, 1861)  
*Diachalastis* Meyrick, 1920  
 307 **visaliella** (Chambers, 1873) (McD 9640)  
*vesaliella* Forbes, 1923, missp.  
 Range.- I-IV (e. N.Am.: Ont.-FL/IL-TX)  
 Dates.- Jan-Feb, Apr  
 Hosts.- detritus?

- SCARDIELLA** Robinson, 1986  
 308 **approximatella** (Dietz, 1905) (McD 9623) **1.13**  
 Range.- I-IV (e. U.S.: MA-FL/IL-TX) **9.54**  
 Dates.- Jan-Mar, May, Sep, Nov  
 Hosts.- detritus?

- SCARDIA** Treitschke, 1830  
*Agarica* Sodoffsky, 1837  
*Morphophaga* Herrich-Schäffer, 1854  
*Fernaldia* Grote, 1881  
*Atabyria* Snellen, 1884  
*Osphretica* Meyrick, 1910  
*Microscardia* Amsel, 1952  
 311 **anatomella** (Grote, 1881), (McD 9615/9617) **9.53**  
*fiskeella* (Busck, 1908)

- Range.- IA (e. N.Am.: Ont.-FL/IL-TX)  
 Dates.- Feb-Apr, Aug  
 Hosts.- detritus?  
**DIATAGA** Walsingham, 1914  
 315 **leptosceles** Walsingham, 1914 (McD --) T  
 Range.- II-IV (FL; TX; West Indies; Mex.-Ecuador)  
 Dates.- Apr, Jul-Aug  
 Hosts.- detritus?  
 bracken fungus

- XYLESTHIA** Clemens, 1859  
*Xylestia* Dyar, [1903], missp.  
 317 **pruniramiella** Clemens, 1859 (McD 9626) **2.21**  
*clemensella* Chambers, 1873  
*congeminatella* Zeller, 1873  
*kearfottella* Dietz, 1905  
 Clemens' bark moth  
 Range.- I-VIII (e. U.S.: NH-FL/IL-TX)  
 Dates.- Feb-Dec  
 Hosts.- *Dracaena* sp. (Agavaceae)  
*Prunus* sp. (Rosaceae)  
*Yucca* sp. (Agavaceae)

[KEARFOTTIA, 319: see 434.1 in Psychidae, p. 238]

- CEPHITINEA** Zagulajev, 1964  
 324 **obscuristrigella** (Chambers, 1874) (McD 9642) **9.55**  
*longinella* Zagulajev, 1964  
 Range.- I-IV (e. U.S.: PA-FL/IL-TX)  
 Dates.- Jan-Feb, Oct-Dec  
 Hosts.- detritus  
**EPISCARDIA** Ragonot, 1895  
*Haplotinea* Diakonoff & Hinton, 1956  
 325 **insectella** (Fabricius, 1794) (McD 9606, part/9641)  
*misella* (Zeller, 1839)  
 Fungus grain moth  
 Range.- I-VIII (se. U.S. [introd.]: SC-FL/LA-TX; West Indies; Mex.-S. Am.; Europe)  
 Dates.- Jan-Dec  
 Hosts.- detritus

[AMYDRIA, 329-335 in Acrolophidae, p. 233]

[ACROLOPHUS, 340-383 in Acrolophidae, p. 233]

### TINEINAE

- PHEREOECA** Hinton & Bradley, 1956  
 390 **uterella** (Walsingham, 1897) (McD 9695.1) T **1.6**  
*pachyspila* (Meyrick, 1905)  
*oblitescens* (Meyrick, 1924)  
*barysticta* (Meyrick, 1927)  
*dubitatrix* (Meyrick, 1932)  
*walsinghami* (Busck, [1934])  
 Plaster bagworm  
 Range.- II-VIII (FL; West Indies; Mex.-S.Am.)  
 Dates.- Jan-Dec?  
 Hosts.- detritus  
**TINEA** Linnaeus, 1758  
*Autoses* Hübner, [1825]  
*Acedes* Hübner, [1825]  
*Edosa* Walker, 1866

- Chrysoryctis* Meyrick, 1886  
*Dystinea* Börner, 1925  
 392 **apicimaculella** Chambers, 1875 (McD 9645) **1.1**  
 Range.- I-VIII (e. U.S.: NJ-FL/IL-TX)  
 Dates.- Jan-May, Sep-Dec  
 Hosts.- detritus  
 394 **carnariella** Clemens, 1859 (McD 9650)  
 Range.- I-VI (e. U.S.: PA-FL/IL-MS?)  
 Dates.- Mar  
 Hosts.- detritus?  
 400 **mandarinella** Dietz, 1905 (McD 9648/9669) **1.2**  
*bimaculella* Chambers, 1873, preocc. (Thunberg, 1794)  
 Range.- I-VIII (e. U.S.: NJ-FL/IL-MS)  
 Dates.- Feb-Sep, Nov-Dec  
 Hosts.- detritus?  
 405 **pellionella** Linnaeus, 1758 (McD 9653) **1.3**  
*flavifrontella*.- auct., misid. (not [Denis & Schiffermüller], 1775)  
*pellionella* Dietz, 1905, missp.  
 Casemaking clothes moth  
 Range.- I-VIII (N.Am. [introd.]: N.S.-FL/B.C.-CA; West Indies; Mex.-Argentina; Old World)  
 Dates.- Jan-Feb, Apr, Aug-Oct, Dec  
 Hosts.- cloth, rugs  
 409 **unomaculella** Chambers, 1875 (McD 9662) **1.4**  
 Range.- I-IV (e. U.S.: KY-FL/AR-TX?)  
 Dates.- Feb, May  
 Hosts.- detritus
- NIDITINEA** Petersen, 1957  
*Tineidia* Zagulajev, 1960  
 411 **fuscella** (Linnaeus, 1758) (McD 9643) **1.8**  
*spretella* ([Denis & Schiffermüller], 1775)  
*fuscipunctella* (Haworth, 1828)  
*nubilipennella* (Clemens, 1859)  
*abligatella* (Walker, 1863)  
*ignotella* (Walker, 1864)  
*frigidella* (Packard, 1867)  
*griseella* (Chambers, 1873)  
*eurinella* (Zagulajev, 1952)  
*distans* (Gozmány, 1959)  
 European house moth  
 Range.- I-III (e. N.Am. [introd.]: Labr.-FL/MI-TX; Europe)  
 Dates.- May  
 Hosts.- detritus
- CERATOPHAGA** Petersen, 1957  
 414 **vicinella** (Dietz, 1905) (McD 9661)  
 Range.- I-III (se. U.S.: [GA]-FL/[AL]-MS)  
 Dates.- Mar, May, Jun, Oct  
 Hosts.- detritus?
- MONOPIS** Hübner, [1825]  
*Blabophanes* Zeller, 1852  
*Hyalospila* Herrich-Schäffer, 1853  
 415 **crocicapitella** (Clemens, 1859) (McD 9635)  
*hyalinella* (Staudinger, 1870)  
*lombardica* (Hering, 1889)  
*heringi* (Richardson, 1893)  
 Bird nest moth  
 Range.- I-IV (U.S.: NY-FL/OR-CA; Hawaii [introd.]; Europe; Australia)  
 Dates.- Jul, Sep  
 Hosts.- detritus?
- ECCRITOTHRIX** Bradley & Hinton, 1956  
 422 **trimaculella** (Chambers, 1873) (McD 9649)  
 Range.- IA (e. U.S.: NY-FL/IL-TX?)  
 Dates.- Sep  
 Hosts.- detritus
- PRAEACEDES** Amsel, 1954  
*Titaenoses* Hinton & Bradley, 1956  
 423 **atomosella** (Walker, 1863) (McD 9665) T **1.7**  
*seminolella* (Beutenmüller, 1889)  
*thecophora* (Walsingham, 1908)  
*despecta* (Meyrick, 1919)  
*deluccae* Amsel, 1954  
 African scavenger moth  
 Range.- I-VIII (se. U.S. [introd.]: GA-FL/AR-TX; West Indies; Mex.-Brazil; Hawaii; Old World)  
 Dates.- Jan-Mar, May, Jul-Sep  
 Hosts.- detritus
- TINEOLA** Herrich-Schäffer, 1853  
*Tireola* Meyrick, 1935, missp.  
 426 **bisselliella** (Hummel, 1823) (McD 9695) **1.12**  
*flavifrontella*.- auct., misid. (not [Denis & Schiffermüller], 1775)  
*crinella* (Treitschke, 1832)  
*destructor* (Stephens, 1834)  
*biselliella* (Herrich-Schäffer, 1853), missp.  
*lanariella* (Clemens, 1859)  
 Webbing clothes moth  
 Range.- I-VIII (N.Am. [introd.]: N.S.-FL/AK?-CA; New World; Old World)  
 Dates.- Jan-Dec?  
 Hosts.- detritus
- XYSTROLOGA** Meyrick, 1919  
 426.1 **antipathetica** (Forbes, 1931) (McD 9718.1) T  
 Range.- VI (FL; Bermuda; West Indies)  
 Dates.- Jul  
 Hosts.- detritus?
- SETOMORPHINAE**
- SETOMORPHA** Zeller, 1852  
*Epilegis* Dietz, 1905  
*Apotomia* Dietz, 1905  
*Semiota* Dietz, 1905  
*Trisynotopa* Lower, 1918  
 428 **rutella** Zeller, 1852 (McD 9606/9607/9608) T **2.20**  
*insectella*.- auct., misid. (not Fabricius, 1794)  
*rupicella* Zeller, 1852  
*operosella* Zeller, 1873  
*inamoenella* Zeller, 1873  
*rudarella* Zeller, 1873  
*multimaculella* (Chambers, 1878)  
*dryas* (Butler, 1881)  
*corticinella* Snellen, 1885  
*bogatella*.- Alpheraky, 1889, misid. (not Walker, 1864)  
*discipunctella* Rebel, 1894  
*majorella* Dietz, 1905  
*sigmoidella* Dietz, 1905  
*cariosella* (Dietz, 1905)  
*fractiliniella* (Dietz, 1905)  
*transversestrigella* (Dietz, 1905)

- margalaestriata* Keuchenius, 1917  
*euryspoda* (Lower, 1918)  
*tineoides* Dammerman, 1919  
*nitella* Voute, 1935, missp.  
 Tropical tobacco moth  
 Range.- I-VIII (e. U.S. [introd.]: MD-FL/IL-TX; West Indies; Mex.-S.Am.; Hawaii; Old World)  
 Dates.- Jan, May-Aug, Sep-Dec  
 Hosts.- *Solanum tuberosum* (Solanaceae)  
*Zantedeschia* sp. (Araceae)  
 chicken feathers

## HIEROXESTINAE

### PHAEOSSES Forbes, 1922

430 *sabinella* Forbes, 1922 (McD 9513)

Range.- IA (Gulf Coast: FL-TX)

Dates.- Nov

Hosts.- detritus

### OPOGONA Zeller, 1853

- Lozostoma* Stainton, 1859  
*Conchyliospila* Wallengren, 1861  
*Cachura* Walker, 1864  
*Dendroneura* Walsingham, 1892  
*Hieroxestis* Meyrick, 1892  
*Exala* Meyrick, 1912

\*432 *floridensis* Davis, 1978 T

Range.- VIII (Florida)

Dates.- Dec

Hosts.- Unknown

432.1 *sacchari* (Bojer, 1856) (McD --) T **1.14**

- subcervinella* (Walker, 1863)  
*sanctae-helenae* (Walker, 1875)  
*ligniferella* (Walker, 1875)  
*plumipes* (Butler, 1876)  
 Banana moth; Opogona moth  
 Range.- III-VI (FL [introd.]; West Indies-S.Am.; Canary Is.; s. Europe; Mauritius; Madagascar; West Africa)

Dates.- Jan-Dec

Hosts.- *Aechmea fasciata*, *A. fasciata* 'Variegata' (Bromeliaceae)

- Albizia julibrissin* (Leguminosae)  
*Aloe barbadensis* (Liliaceae)  
*Aralia* sp. (Araliaceae)  
*Areca vestiaria* (Palmae)  
*Arecastrum* sp. (Palmae)  
*Bactris gasipaes* (Palmae)  
*Brassia* sp., *B. actinophylla* (Araliaceae)  
*Capsicum* sp. (Solanaceae)  
*Carica papaya* (Caricaceae)  
*Chamaedorea* sp., *C. elegans*, *C. erumpens*, *C. seifrizii* (Palmae)  
*Chrysaliocarpus lutescens* (Palmae)  
*Clerodendrum* sp. (Verbenaceae)  
*Colocasia esculenta* (Araceae)  
*Cordyline terminalis* (Agavaceae)  
*Crassula argentea* (Crassulaceae)  
*Cryptanthus* sp., *C. bromelioides* (Bromeliaceae)  
*Cycas circinalis*, *C. revoluta* (Cycadaceae)  
*Dahlia* sp. (Compositae)  
*Dioscorea* sp. (Dioscoreaceae)  
*Dracaena fragrans* 'Massangeana', *D. marginata*,

- D. reflexa*, *D. terminalis* (Agavaceae)  
*Enterolobium* sp. (Leguminosae)  
*Eriobotrya japonica* (Rosaceae)  
*Erythrina variegata* (Leguminosae)  
*Ficus* sp., *F. elastica*, *F. neriifolia* (Moraceae)  
*Gladiolus* sp. (Iridaceae)  
*Gloxinia* sp. (Gesneriadeae)  
*Guzmania lingulata* var. *X magnifica* (Bromeliaceae)  
*Hibiscus* sp. (Malvaceae)  
*Howea forsterana* (Palmae)  
*Ipomoea batatas* (Convolvulaceae)  
*Juniperus chinensis* (Cupressaceae)  
*Mammillaria plumosa* (Cactaceae)  
*Maranta leuconeura* (Marantaceae)  
*Musa carendishii*, *M. paradisiaca*, *M. sapientum* (Musaceae)  
*Neodypsis decaryi* (Palmae)  
*Neoregelia* sp. (Bromeliaceae)  
*Nidularium billbergioides* (Bromeliaceae)  
*Opuntia* sp. (Cactaceae)  
*Pandanus utilis* (Pandanaceae)  
*Philodendron scandens* (Araceae)  
*Phoenix canariensis* (Palmae)  
*Plumeria obtusa* (Apocynaceae)  
*Polyscias balfouriana*, *P. fruticosa*, *P. fruticosa* 'Elegans' (Araliaceae)  
*Saccharum officinarum* (Gramineae)  
*Saintpaulia* sp. (Gesneriaceae)  
*Sanseria trifasciata*, *S. trifasciata* 'laurantii' (Liliaceae)  
*Solanum melongena* var. *esculentum*, *S. tuberosum* (Solanaceae)  
*Spathyphyllum* sp. (Araceae)  
*Strelitzia* sp., *S. nicolai* (Musaceae)  
*Stromanthe sanguinea* (Marantaceae)  
*Tillandsia ionantha*, *T. utriculata* (Bromeliaceae)  
*Trachycarpus fortunei* (Palmae)  
*Veitchia merrillii* (Palmae)  
*Yucca* sp., *Y. elephantipes* (Agavaceae)  
*Zea mays* (Gramineae)  
 bamboo  
 detritus  
 orchids and packing material

433.1 *purpuriella* Swezey, 1913 (McD --) T **1.15**

Range.- VI (FL [introd.]; Hawaii)

Dates.- Apr, Oct, Dec

- Hosts.- *Artocarpus* sp. [dead bark] (Moraceae)  
*Plumeria* sp. (Apocynaceae)  
*Reynoldsia* sp. (Araliaceae)  
*Saccharum officinarum* [dead cane] (Gramineae)  
*Sicana odorifera* (Cucurbitaceae)  
*Trevesia* sp. (Araliaceae)  
 detritus & decaying vegetation

## PSYCHIDAE

### PENESTOGLOSSINAE

#### KEARFOTTIA Fernald, 1904

434.1 *albifasciella* Fernald, 1904 (McD 9629) **2.22**

Range.- I-VIII (e. U.S.: SC-FL/IL-TX)

Dates.- Jun, Aug-Nov

Hosts.- Unknown

**PSYCHINAE****PROCHALIA** Barnes & McDunnough, 1913439 **pygmaea** Barnes & McDunnough, 1913 (McD 9534)

Range.- I-VII (se. U.S.: SC-FL/MS-TX)

Dates.- Mar, May

Hosts.- lichens

**ZAMOPSYCHE** Dyar, 1923440 **commentella** Dyar, 1913 (McD 9535)

Range.- II-IV (se. U.S.: MD-FL/[AR]-TX)

Dates.- Jan

Hosts.- lichens

**CRYPTOTHELEA** Duncan, 1841*Platoeceticus* Packard, 1869441 **nigrita** (Barnes & McDunnough, 1913) (McD 9524)

Range.- I-VII (Gulf Coast: FL-MS)

Dates.- Jan-Jun, Aug-Sep, Nov-Dec

Hosts.- *Aleurites fordii* (Euphorbiaceae)442 **gloverii** (Packard, 1869) (McD 9523/9525) T*jonesi* (Barnes & Benjamin, 1922)*pizote* (Schaus, 1927)*tristis*.- Vázquez, 1941*gloveri* Kimball, 1965, missp.

Range.- I-VIII (Atlantic/Gulf Coasts: SC-FL-TX; Mex.- Honduras)

Dates.- Jan-Nov

Hosts.- *Acacia* sp. (Leguminosae)*Achillea millefolium* (Compositae)*Carya* sp. (Juglandaceae)*Celtis laevigata* (Ulmaceae)*Citrus aurantium*, *C. makima* v. *uvacarpa* *C. sinensis* (Rutaceae)*Crataegus* sp. (Rosaceae)*Diospyros virginiana* (Ebenaceae)*Erythrina* sp. (Leguminosae)*Feijoa* sp. (Myrtaceae)*Parkinsonia aculeata* (Leguminosae)*Persea americana* (Lauraceae)*Pseudobombax ellipticum* (Bombacaceae)*Psidium guajava* (Myrtaceae)*Pyracantha coccinea* (Rosaceae)*Quercus* sp. (Fagaceae)*Rosa* sp. (Rosaceae)*Sapindus drummondii* (Sapindaceae)*Spondias mombin* (Anacardiaceae)*Veitchia merrillii* (Palmae)*Yucca* sp. (Liliaceae)*Zanthoxylum fagara* (Rutaceae)**ASTALA** Davis, 1964443 **confederata** (Grote & Robinson, 1868) (McD 9526)*lepidopteris* (Dyar, 1926)

Range.- I (U.S.: MA-FL/SD-AZ; Mex.)

Dates.- Jun

Hosts.- *Sorghum halepense* (Gramineae)*Stipa* sp., *S. leucotricha* (Gramineae)**BASICLADUS** Davis, 1964450 **tracyi** (Jones, 1911) (McD 9527/9529)*cacocnemos* (Jones, 1922)*tracyi* (Dyar, 1923), missp.

Range.- I-VI (se. U.S.: NC-FL/AL-TX)

Dates.- Apr, Sep-Oct

Hosts.- *Sarracenia sledgei* (Sarraceniaceae)

grass (Gramineae)

451 **celibatus** (Jones, 1922) (McD 9528)

Range.- I-VI (se. U.S.: NC-FL)

Dates.- May-Jun

Hosts.- grass? (Gramineae)

*Vaccinium corymbosum* (Ericaceae)**OIKETICINAE****OIKETICUS** Guilding, 1827*Oeketicus* Lefebvre, 1842, missp.*Oeceticus* Packard, 1864, missp.454 **abbottii** Grote, 1880 (McD 9514)*abbotti* Holland, 1905, missp.

Abbot's bagworm

Range.- I-VIII (se. U.S.: DE-FL/LA-TX; Mex.)

Dates.- Feb-May, Aug-Sep

Hosts.- *Acacia greggi*, *A. farnesiana*, *A. contorta* (Leguminosae)*Acer* sp., *A. negundo* (Aceraceae)*Aesculus* sp. (Sapindaceae)*Althaea* sp. (Malvaceae)*Annona glabra* (Annonaceae)*Bernardia myricaefolia* (Euphorbiaceae)*Callistemon viminalis* (Myrtaceae)*Carissa* sp. (Apocynaceae)*Carya illinoensis* (Juglandaceae)*Celtis* sp., *C. laevigata* (Ulmaceae)*Chrysalidocarpus lutescens* (Palmae)*Cinnamomum camphora* (Lauraceae)*Cornus* sp. (Cornaceae)*Cupressus* sp. (Cupressaceae)*Diospyros texana* (Ebenaceae)*Eugenia* sp. (Myrtaceae)*Feijoa* sp. (Myrtaceae)*Gardenia* sp. (Rubiaceae)*Gronophyllum* sp. (Palmae)*Ilex* sp. (Aquifoliaceae)*Jasminum* sp. (Oleaceae)*Juniperus* sp. (Cupressaceae)*Koeleruteria* sp. (Sapindaceae)*Leucaena leucocephala*, *L. pulvereulenta* (Leguminosae)*Liquidambar styraciflua* (Hamamelidaceae)*Lonicera japonica* (Caprifoliaceae)*Mimosa* sp. (Leguminosae)

palm (Palmae)

*Persea americana* (Lauraceae)*Photinia serrulata* (Rosaceae)*Pinus* sp. (Pinaceae)*Platanus occidentalis* (Platanaceae)*Podocarpus* sp. (Podocarpaceae)*Porlieria angustifolia* (Zygophyllaceae)*Prosopis glandulosa* (Leguminosae)*Pyracantha* sp., *P. coccinea* (Rosaceae)*Quercus* sp. (Fagaceae)*Rhizophora mangle* (Rhizophoraceae)*Rhododendron indicum* (Ericaceae)*Robinia* sp. (Leguminosae)*Rosa* sp. (Rosaceae)*Salix* sp. (Salicaceae)*Sapindus* sp. (Sapindaceae)*Smilax* sp. (Smilacaceae)

2.17

2.15

9.49

2.18

9.48

2.16



*Solanum pseudo-capsicum* (Solanaceae)  
*Thuja orientalis* (Cupressaceae)  
*Veitchia merrillii* (Palmae)  
*Viburnum* sp. (Caprifoliaceae)

**THYRIDOPTERYX** Stephens, 1835

*Hymenopsyche* Grote, 1865

457 **ephemeraeformis** (Haworth, 1803) (McD 9519/9519.1/9520) **9.50**

*coniferarum* (Packard, 1864)  
*pallidovenata* Grossbeck, 1917  
*vernalis* Jones, 1923

Bagworm

Range.- I-VIII(e. U.S.: MA-FL/NE-TX; West Indies; Mex. ["England", in error])

Dates.- Mar-Apr, Jun-Jul, Sep, Nov

Hosts.- *Acer negundo*, *A. platanoides*, *A. pseudoplatanus*,  
*A. rubrum*, *A. saccharinum*, *A. saccharum*  
 (Aceraceae)

*Aesculus hippocastanum* (Sapindaceae)

*Alnus rugosa* (Betulaceae)

*Ambrosia trifida* (Compositae)

*Amelanchier arborea* (Rosaceae)

*Annona glabra*, *A. reticulata* (Annonaceae)

*Anthemis cotula* (Compositae)

*Baccharis salicina* (Compositae)

*Bambusa* sp. (Gramineae)

*Bauhinia* sp. (Leguminosae)

*Berberis trifoliata*, *B. vulgaris* (Berberidaceae)

*Betula papyrifera* (Betulaceae)

*Butia capitata* (Palmae)

*Callistemon* sp., *C. viminalis* (Myrtaceae)

*Carpinus caroliniana* (Betulaceae)

*Carya* sp. (Juglandaceae)

*Castanea dentata*, *C. vesca* (Fagaceae)

*Casuarina* sp. (Casuarinaceae)

*Catalpa bignonioides* (Bignoniaceae)

*Cedrus* sp. (Pinaceae)

*Celtis laevigata* (Ulmaceae)

*Cercis canadensis* (Leguminosae)

*Chamaecyparis thyoides* (Cupressaceae)

*Chrysalidocarpus lutescens* (Palmae)

*Chrysobalanus icaco* (Rosaceae)

*Citrofortunella mitis* (Rutaceae)

*Citrus paradisi*, *C. sinensis* (Rutaceae)

*Clematis* sp. (Ranunculaceae)

*Coccoloba uvifera* (Polygonaceae)

*Cocos australis* (Palmae)

*Codiaeum variegatum* (Euphorbiaceae)

*Conocarpus erectus* (Combretaceae)

*Cornus* sp. (Cornaceae)

*Crataegus* sp., *C. oxyacantha* (Rosaceae)

*Cydonia oblonga* (Rosaceae)

*Dietes vegeta* (Iridaceae)

*Diospyros kaki*, *D. texana*, *D. virginiana* (Ebenaceae)

*Erigeron canadensis* (Compositae)

*Eriobotrya japonica* (Rosaceae)

*Eupatorium ageratoides* (Compositae)

*Fagus grandifolia*, *F. laciniata*, *F. purpurea*, *F. sylvatica* (Fagaceae)

*Feijoa* sp. (Myrtaceae)

*Fraxinus americana* (Oleaceae)

*Gaylussacia baccata* (Ericaceae)

*Gleditsia triacanthos* (Leguminosae)

*Gossypium* sp. (Malvaceae)

*Hamamelis virginiana* (Hamamelidaceae)

*Helianthus decapetalus* (Compositae)

*Hibiscus syriacus* (Malvaceae)

*Humulus lupulus* (Malvaceae)

*Ilex* sp., *I. crenata* (Aquifoliaceae)

*Iris* sp. (Iridaceae)

*Ixora* sp., *I. acuminata*, *I. coccinea* (Rubiaceae)

*Juniperus ashei*, *J. communis*, *J. silicicola*, *J. virginiana* (Cupressaceae)

*Kochia scoparia* (Chenopodiaceae)

*Lagerstroemia* sp., *L. indica* (Lythraceae)

*Lantana camara* (Verbenaceae)

*Larix laricina* (Pinaceae)

*Lepidium virginicum* (Cruciferae)

*Ligustrum japonicum* (Oleaceae)

*Liquidambar styraciflua* (Hamamelidaceae)

*Liriodendron tulipifera* (Magnoliaceae)

*Litchi chinensis* (Sapindaceae)

*Maclura pomifera* (Moraceae)

*Malphigia glabra* (Malthigiaceae)

*Malus pumila* (Malvaceae)

*Malvaviscus arboreus* var. *drumondii* (Malvaceae)

*Mangifera indica* (Anarardiaceae)

*Melaleuca* sp. (Myrtaceae)

*Myrciaria cauliflora* (Myrtaceae)

*Myrica cerifera* (Myricaceae)

*Ostrya virginiana* (Betulaceae)

*Persea americana*, *P. borbonia* (Lauraceae)

*Physocarpus opulifolius* (Rosaceae)

*Phytolacca americana* (Phytolaccaceae)

*Picea* sp., *P. abies* (Pinaceae)

*Pinus* sp., *P. strobus* (Pinaceae)

*Platanus occidentalis*, *P. orientalis* (Platanaceae)

*Podocarpus macrophylla* (Podocarpaceae)

*Populus balsamifera*, *P. deltoides*, *P. nigra* var.

*italica* (Salicaceae) *Prunus americana*, *P.*

*amygdalus*, *P. armeniaca*, *P. cerasus*, *P.*

*domestica*, *P. maritima*, *P. virginiana* (Rosaceae)

*Prunus mexicana*, *P. persica* (Rosaceae)

*Psidium crenato-serrata*, *P. guajava* (Myrtaceae)

*Punica granatum* (Punicaceae)

*Pyracantha* sp., *P. coccinea* (Rosaceae)

*Pyrus communis* (Rosaceae)

*Quercus alba*, *Q. coccinea*, *Q. fusiformis*, *Q. macrocarpa*, *Q. myrsinifolia*, *Q. nigra*, *Q. palustris*, *Q. prinus*, *Q. subobtusifolia*, *Q. virginiana* (Fagaceae)

*Rhamnus cathartica* (Rhamnaceae)

*Raphioplepis umbellata* (Rosaceae)

*Rhizophora mangle* (Rhizophoraceae)

*Rhus* sp. (Anacardiaceae)

*Robinia pseudo-acacia* (Leguminosae)

*Rosa* sp. (Rosaceae)

*Roystonea* sp. (Palmae)

*Rubus* sp. (Rosaceae)

*Rumex obtusifolius* (Polygonaceae)

*Salix* sp., *Salix babylonica*, *S. fragilis*, *S. lucida*, *S. nigra* (Salicaceae)

*Sambucus caerulea*, *S. canadensis* (Caprifoliaceae)

*Sapindus saponaria* (Sapindaceae)

*Sassafras albidum* (Lauraceae)

*Schinus terebinthifolius* (Anacardiaceae)

*Smilax bona-nox*, *S. rotundifolia* (Smilacaceae)

*Tamarindus indica* (Leguminosae)

*Taxodium distichum* (Taxodiaceae)  
*Terminalia catappa* (Combretaceae)  
*Thespesia populnea* (Malvaceae)  
*Thuja occidentalis* v. *globosa*, *T. orientalis* v. *conspicua*, *T. orientalis* v. *pyramidalis* (Cupressaceae)  
*Tilia* sp., *T. americana*, *T. europaea*, *T. heterophylla* (Tiliaceae)  
*Trifolium* sp. (Leguminosae)  
*Tsuga canadensis* (Pinaceae)  
*Ulmus americana*, *U. campestris*, *U. crassifolius*, *U. rubra* (Ulmaceae)  
*Vaccinium* sp. (Ericaceae)  
*Vernonia noveboracensis* (Compositae)  
*Wisteria chinensis* (Leguminosae)  
*Zea mays* (Gramineae)

[LYONETIIDAE, 461-478: see by Argylethiidae, p. 264]

## Series GRACILLARIIFORMES

### BUCCULATRICIDAE

**BUCCULATRIX** Zeller, 1839  
*Ceroclastis* Zeller, 1848  
484 **fusicola** Braun, 1920 (McD 9430)  
Range.- IA (e. U.S.: OH-FL/AR-TX)  
Dates.- Apr  
Hosts.- *Helianthus trachelifolius* [stem galls] (Compositae)  
485 **solidaginiella** Braun, 1963  
Range.- IA (N.Am.: N.S.-FL/WA-MO)  
Dates.- Apr  
Hosts.- *Solidago* sp., *S. ulmifolia* (Compositae)  
487 **magnella** Chambers, 1875 (McD 9429)  
Range.- I-IV (e. U.S.: IL-FL/MO-TX)  
Dates.- Mar, May, Sep  
Hosts.- Unknown  
488 **needhami** Braun, 1956  
Range.- I-IV (e. U.S.: NY-FL/IL-TX)  
Dates.- Mar-May  
Hosts.- *Helianthus agrestis* [stem gall] (Compositae)  
498 **bicristata** Braun, 1963  
Range.- II-III (se. U.S.: GA-FL)  
Dates.- May  
Hosts.- Unknown  
513 **staintonella** Chambers, 1878 (McD 9447/9478)  
*pertenuis* Braun, 1918  
Range.- I-IV (c. U.S.: SD-FL/CO-NM)  
Dates.- Mar-Apr, Sep-Oct  
Hosts.- Unknown  
516 **kimballi** Braun, 1963  
Range.- I-IV (Gulf Coast: FL-TX)  
Dates.- Apr-May, Sep  
Hosts.- Unknown  
517 **ivella** Busck, 1900 (McD 9444)  
Range.- I-IV (Atlantic/Gulf Coasts: NJ-FL-TX)  
Dates.- Feb-Apr  
Hosts.- *Baccharis halimifolia*, *B. neglecta* (Compositae)  
*Iva frutescens* (Compositae)  
\*524 **plucheae** Braun, 1963  
Range.- IV-VIII (Florida)  
Dates.- Apr-May, Nov  
Hosts.- *Pluchea odorata* (Compositae)  
\*569 **cerina** Braun, 1963  
Range.- IV-VIII (Florida)

Dates.- Jan, Nov  
Hosts.- Unknown  
582 **thurberiella** Busck, 1914 (McD 9472)  
Range.- I (s. U.S.: FL-CA)  
Dates.- Mar-Apr  
Hosts.- *Gossypium thurberi* (Malvaceae)

## GRACILLARIIDAE

### GRACILLARIINAE

**CALOPTILIA** Hübner, [1825]  
*Poeciloptilia* Hübner, [1825]  
*Gracillaria* Haworth, 1828  
*Ornix* Treitschke, 1833  
*Coriscium* Zeller, 1839  
*Gracilaria* Zeller, 1839, missp.  
*Antiolopha* Meyrick, 1894  
592 **azaleella** (Brants, 1913) (McD 9368) 2.12  
*azaleae* (Busck, 1914)  
Azalea leafminer  
Range.- I-IV (e. U.S.: MA-FL/IL-TX)  
Dates.- Mar-Jul, Sep-Oct  
Hosts.- *Rhododendron* sp., *R. indicum* (Ericaceae)  
594 **belfrageella** (Chambers, 1875) (McD 9362)  
*auriferella* (Frey & Boll, 1876)  
Range.- I (e. U.S.: VA-FL/OH-TX)  
Dates.- Jul  
Hosts.- *Cornus asperifolia* (Cornaceae)  
595 **bimaculatella** (Ely, 1915) (McD 9360)  
Range.- I-III (e. N.Am.: Ont.-FL/IL?-MO)  
Dates.- Apr-May  
Hosts.- Unknown  
\*598 **burserella** (Busck, 1900) (McD 9353) T  
Range.- IV-VIII (Florida)  
Dates.- Feb  
Hosts.- *Bursera simaruba* (Burseraceae)  
622 **paradoxa** (Frey & Boll, 1873) (McD 9397)  
Range.- I-III (e. U.S.: MA-FL/IL?-TX)  
Dates.- Mar-May  
Hosts.- Unknown  
\*623 **perseae** (Busck, 1920) (McD 9354)  
Avocado leafminer  
Range.- III-VI (Florida) [Mex.?]  
Dates.- Jan, Apr-May, Jul  
Hosts.- *Persea americana* (Lauraceae)  
627 **quercinigrella** (Ely, 1915) (McD 9384)  
Range.- IA (e. U.S.: CT-FL/IL-TX?)  
Dates.- Apr  
Hosts.- *Quercus* sp. (Fagaceae)  
630 **rhoifoliella** (Chambers, 1876) (McD 9379) 2.13  
Range.- I-VI (e. U.S.: NJ-FL/MN-TX)  
Dates.- Mar-Apr, Sep, Nov  
Hosts.- *Rhus* sp., *R. copallina* (Anacardiaceae)  
633 **sassafrasella** (Chambers, 1876) (McD 9380)  
Range.- I-IV (e. U.S.: CT-FL/IL-TX?)  
Dates.- Feb  
Hosts.- *Sassafras* sp. (Lauraceae)  
\*636 **sebastianiella** (Busck, 1900) (McD 9352)  
*sebastianella* Kimball, 1965, missp.  
Range.- IV (Florida)  
Dates.- ?  
Hosts.- *Sebastiania fruticosa* (Euphorbiaceae)  
639 **stigmatella** (Fabricius, 1781) (McD 9375)  
Range.- I-VI (e. U.S. [introd.?]: ME-FL/OH-TX; Europe)

Dates.- Mar-Apr, Oct  
 Hosts.- *Salix* sp. (Salicaceae)  
 641 **superbifrontella** (Clemens, 1861) (McD 9372)  
 Range.- I-II (e. U.S.: NY-FL/IL?-TX?)  
 Dates.- Mar, May  
 Hosts.- *Hamamelis* sp. (Hamamelidaceae)  
 644 **violacella** (Clemens, 1860) (McD 9367)  
     *desmodifoliella* (Clemens, 1865)  
     *niolacella* Mozzette, 1919, missp.  
 Range.- I-VI (e. U.S.: NY-FL/IL-TX)  
 Dates.- Jun, Sep-Oct  
 Hosts.- *Cajanus cajan* (Leguminosae)  
     *Desmodium* sp. (Leguminosae)

**PARECTOPA** Clemens, 1860

*Euspilopteryx* Zeller, 1847, preocc.  
     *Euspilapteryx* Spuler, 1910, emend.  
 657 **robiniella** Clemens, 1863 (McD 9319)  
 Range.- I-III (e. U.S.: NY-FL/IL-TX)  
 Dates.- Apr-Jun  
 Hosts.- *Robinia pseudoacacia* (Leguminosae)

**NEUROLIPA** Ely, 1918

\*659 **randiella** (Busck, 1900) (McD 9291)  
 Range.- IV-VI (Florida)  
 Dates.- Feb-Mar  
 Hosts.- *Randia aculeata* (Rubiaceae)

**NEUROBATHRA** Ely, 1918

663 **strigifinitella** (Clemens, 1860) (McD 9306)  
     *duodecemlineella* (Chambers, 1872)  
     *quercifoliella* (Chambers, 1875)  
 Range.- I-IV (e. U.S.: NY-FL/IL-TX)  
 Dates.- May, Oct  
 Hosts.- *Castanea* sp. (Fagaceae)  
     *Fagus* sp. (Fagaceae)  
     *Quercus* sp. (Fagaceae)  
 663.1 **curcassi** Busck, [1934] (McD --) T  
     *Jatropha* leafminer  
 Range.- VI-VIII (FL; Cuba)  
 Dates.- Jan-Dec  
 Hosts.- *Jatropha* sp., *J. curcas*, *J. gossypifolia*, *J. integrifolia*, *J. multifida* (Sapindaceae)

**PARORNIX** Spuler, 1910

673 **geminatella** (Packard, 1869) (McD 9344)  
     *prunivorella* (Chambers, 1873)  
     *pruinrosella* (Chambers, 1875), missp.  
     *prunionella* (Chambers, 1876), missp.  
 Range.- I-II (e. U.S.: NY-FL/IL-TX)  
 Dates.- Feb-Mar  
 Hosts.- *Prunus serotina* (Rosaceae)

**CHILOCAMPYLA** Busck, 1900

\*687 **dyariella** Busck, 1900 (McD 9295) T  
 Range.- IV-VIII (Florida)  
 Dates.- Feb-Mar, Sep  
 Hosts.- *Eugenia myrtoides*, *E. rhombea* (Myrtaceae)

**ACROCERCOPS** Wallengren, 1881

689 **albinatella** (Chambers, 1872) (McD 9297)  
     *albanotella* (Chambers, 1877), missp.  
     *albinotella* Meyrick, 1912, emend.  
 Range.- I-IV (e. U.S.: NY-FL/IL-TX)  
 Dates.- Apr-Jun  
 Hosts.- *Quercus* sp. (Fagaceae)  
 694 **quinquistrigella** (Chambers, 1875) (McD 9298)

*quinquestrigella* (Chambers, 1877), missp.

Range.- I-VI (e. U.S.: KY-FL/AR-TX)  
 Dates.- Mar  
 Hosts.- *Sida rhombifolia* (Malvaceae)  
 \*696 **sideroxylonella** (Busck, 1900) (McD 9305) T  
     *sideroxyllella* Meyrick, 1912, emend.  
     *sideroxyloniella* Kimball, 1965, missp.  
 2.11 Range.- IV-VIII (Florida)  
 Dates.- Feb-Apr, Dec  
 Hosts.- *Mastichodendron foetidissimum* (Sapotaceae)  
 \*696.1 [n. sp.]  
 Range.- V (Florida)  
 Dates.- Mar  
 Hosts.- Unknown

**METRIOCHROA** Busck, 1900

*Oecophyllembius* Silvestri, 1908  
 \*699 **psychotriella** Busck, 1900 (McD 9422)  
 Range.- IV-VIII (Florida)  
 Dates.- ?  
 Hosts.- *Psychotria nervosa* (Rubiaceae)

**LEUCANTHIZA** Clemens, 1859

\*700.1 [n. sp.]  
 Range.- V (Florida)  
 Dates.- Mar  
 Hosts.- Unknown  
 \*701.1 [n. sp.] T  
 Range.- VI (Florida)  
 Dates.- Aug  
 Hosts.- *Piscidia piscipula* (Leguminosae)

**MARMARA** Clemens, 1863

*Aesyle* Chambers, 1875  
 \*711 **guilandinella** Busck, 1900 (McD 9277)  
     *guilanindella* Kimball, 1965, missp.  
 Range.- IV (Florida)  
 Dates.- Mar  
 Hosts.- *Caesalpinia crista* (Leguminosae)  
 \*716.1 [n. sp.] T  
     Florida citrus peel miner  
 Range.- IV-VI (Florida; Bahamas?)  
 Dates.- ?  
 Hosts.- *Citrus* sp., *Citrus sinensis* [peel miner] (Rutaceae)  
 718 **smilacisella** (Chambers, 1875) (McD 9288)  
 Range.- IA-IV (e. U.S.: OH-FL/AR-TX)  
 Dates.- May, Oct  
 Hosts.- *Smilax* sp. (Smilacaceae)

**LITHOCOLLETINAE****CREMASTOBOMBYCIA** Braun, 1908

723 **solidaginis** (Frey & Boll, 1876) (McD 9271)  
 Range.- I-II (e. U.S.: MA-FL/MI-TX)  
 Dates.- Oct  
 Hosts.- *Solidago* sp. (Compositae)  
 \*724 **verbesinella** (Busck, 1900) (McD 9274)  
 Range.- IV (Florida)  
 Dates.- ?  
 Hosts.- *Verbesina virginica* (Compositae)

**PHYLLONORYCTER** Hübner, 1822

*Lithocolletis* Hübner, [1825]  
     *Eucestis* Hübner, [1825]

- Phyllorycter* Walsingham, 1914, missp.  
 725 **aberrans** (Braun, 1930) (McD 9230)  
 Range.- II (e. U.S.: OH-FL/IL?-TX?)  
 Dates.- Jun, Sep  
 Hosts.- *Desmodium canescens*, *D. paniculatum* (Leguminosae)  
*Vigna lutea* (Leguminosae)  
 741 **caryaealbella** (Chambers, 1871) (McD 9182)  
*caryaealba* (Walsingham, 1891), missp.  
 Pecan blotchminer  
 Range.- ID (e. U.S.: WV?-FL/WI-TX?)  
 Dates.- Apr  
 Hosts.- *Carya illinoensis* (Juglandaceae)  
 742 **celtifoliella** (Chambers, 1871) (McD 9227)  
 Range.- I-IV (e. U.S.: WV-FL/IL-TX)  
 Dates.- May  
 Hosts.- *Celtis* sp., *C. occidentalis* (Ulmaceae)  
 752 **fitchella** (Clemens, 1860) (McD 9164)  
*quercifoliella* (Fitch, 1859), preocc.  
*quercetorum* (Frey & Boll, 1873)  
*quercitorum* (Chambers, 1875), missp.  
 Range.- I-III (e. U.S.: NY-FL/IL-TX)  
 Dates.- Oct  
 Hosts.- *Quercus* sp., *Q. alba*, *Q. bicolor*, *Q. macrocarpa* (Fagaceae)  
 764 **lucetiella** (Clemens, 1859) (McD 9216)  
*aenigmatella* (Frey & Boll, 1873)  
 Range.- I-II (e. U.S.: NY-FL/IL-TX)  
 Dates.- May  
 Hosts.- *Tilia* sp., *T. americana* (Tiliaceae)  
 789 **rileyella** (Chambers, 1875) (McD 9180)  
*tenuistrigata* (Frey & Boll, 1876)  
 Range.- IA (e. U.S.: NY-FL/IL-TX)  
 Dates.- Mar  
 Hosts.- *Quercus imbricaria*, *Q. rubra* (Fagaceae)  
 790 **robiniella** (Clemens, 1859) (McD 9191)  
*pseudocaciella* (Fitch, 1859)  
 Range.- I (e. U.S.: PA-FL/IL-TX; Europe [introd.])  
 Dates.- May?, Aug  
 Hosts.- *Robinia pseudoacacia* (Leguminosae)

**CAMERARIA** Chapman, 1902

- 811 **caryaeoliella** (Clemens, 1859) (McD 9233)  
*juglandiella* (Clemens, 1861)  
 Pecan leafminer  
 Range.- I-III (e. U.S.: KY-FL/WI-TX)  
 Dates.- May-Jun  
 Hosts.- *Carya* sp., *Carya illinoensis* (Juglandaceae)  
 815 **cinnantiella** (Chambers, 1871) (McD 9239)  
 Gregarious oak leafminer  
 Range.- I-VI (e. U.S.: PA-FL/IL-TX)  
 Dates.- Dec  
 Hosts.- *Quercus* sp., *Q. alba* (Fagaceae)  
 816 **conglomeratella** (Zeller, 1875) (McD 9243)  
*bicolorella* (Chambers, 1878)  
*obtusilobae* (Frey & Boll, 1878)  
 Range.- I-IV (U.S.: NJ-FL/IL-TX/CA)  
 Dates.- Mar-May, Sep-Oct, Dec  
 Hosts.- *Lyonia lucida* (Ericaceae)  
*Quercus* sp., *Q. virginiana* (Fagaceae)  
 \*816.1 [n. sp.]  
 Range.- IIIA (Florida)  
 Dates.- Mar-May  
 Hosts.- *Lyonia fruticosa* (Ericaceae)  
 823 **hamadryadella** (Clemens, 1859) (McD 9240)  
*alternatella* (Zeller, 1875)  
*hamadryella* (Frey & Boll, 1878), missp.

- alternata* (Chambers, 1878), missp.  
 Solitary oak leafminer  
 Range.- I-II (e. U.S.: NY-FL/IL-TX)  
 Dates.- Mar, May, Sep, Nov  
 Hosts.- *Quercus* sp., *Q. alba*, *Q. macrocarpa* (Fagaceae)  
 835 **quercivorella** (Chambers, 1879) (McD 9246)  
 Range.- I-IV (e. U.S.: NY-FL/IL-TX)  
 Dates.- May  
 Hosts.- *Quercus* sp., *Q. rubra* (Fagaceae)

**PORPHYROSELA** Braun, 1908

- 843 **desmodiella** (Clemens, 1859) (McD 9268)  
*gregariella* (Murtfeldt, 1881)  
 Range.- I-VI (e. U.S.: NY-FL/IL-TX?)  
 Dates.- Apr, Aug  
 Hosts.- *Centrosema* sp. (Leguminosae)  
*Desmodium tortuosum* (Leguminosae)  
*Lespedeza bicolor*, *L. thunbergii* (Leguminosae)

**PHYLLOCNISTINAE****PHYLLOCNISTIS** Zeller, 1848

- Phylloenistis* Chambers, 1875, missp.  
*Phylloetis* Chambers, 1876, missp.  
*Phyllocnitis* Busck, 1900, missp.  
 846 **insignis** Frey & Boll, 1876 (McD 9315)  
*erechitisella* Chambers, 1878, nom. nud.  
*erechtiisella* McDunnough, 1939, missp.  
 Range.- I-IV (e. U.S.: OH-FL/IL-TX)  
 Dates.- Feb-Apr  
 Hosts.- *Erechtites hieracifolia* (Compositae)  
*Prenanthes* sp., *P. alba* (Compositae)  
 847 **intermediella** Busck, 1900 (McD 9314) T  
 Range.- IV (FL; TX; Mex.?)  
 Dates.- Feb  
 Hosts.- *Mastichodendron foetidissimum* (Sapotaceae)  
 848 **liquidambarisella** Chambers, 1875 (McD 9313)  
 Range.- I-IV (e. U.S.: MD-FL/IL-TX)  
 Dates.- Apr, Nov  
 Hosts.- *Liquidambar styraciflua* (Hamamelidaceae)  
 851 **magnoliella** Forbes, 1923 (McD 9312)  
*magnoliaeella* Chambers, 1880, nom. nud.  
*magnoliaella* Busck, 1900, missp.  
*magnoliella* (Dyar, [1903]), missp.  
 Magnolia serpentine leafminer  
 Range.- I-II (e. U.S.: VA-FL/KY-TX)  
 Dates.- Jul-Aug, Nov  
 Hosts.- *Magnolia virginiana*, *M. grandiflora* (Magnoliaceae)  
 851.1 **meliacella** Becker, 1974 T  
 Mahogany leafminer  
 Range.- VIII (FL; West Indies-C. Am.)  
 Dates.- Jun, Nov-Dec  
 Hosts.- *Swietenia mahoganyi* (Meliaceae)  
 \*851.2 [n. sp.]  
 Avocado serpentine leafminer  
 Range.- VI-VIII (Florida; [Mex. ?])  
 Dates.- ?  
 Hosts.- *Persea americana* (Lauraceae)  
 854 **vitifoliella** Chambers, 1871 (McD 9309)  
 Range.- I-IV (e. U.S.: NY-FL/IL-TX)  
 Dates.- May, Jul, Oct  
 Hosts.- *Castanea* sp. (Fagaceae)  
*Fagus* sp. (Fagaceae)  
*Quercus* sp. (Fagaceae)

- Vitis* sp., *V. rotundifolia* (Vitaceae)  
 854.1 **citrella** Stainton, 1856 (McD --) T  
*citricola* (Shiraki, 1913)  
*saligna*.—Kurisaki, 1928, misid. (not Zeller, 1839)  
 Citrus leafminer  
 Range.— I-VIII (Gulf Coast [introd.]: FL-TX; West Indies; Mex.-C. Amer.; Europe [introd.]; Old World tropics)  
 Dates.— Feb-Dec  
 Hosts.— *Aegle marmelos* (Rutaceae)  
*Alseodaphne semecarpifolia* (Lauraceae)  
*Atalantia* sp. (Rutaceae)  
*Cinnamomum zeylanicum* (Lauraceae)  
*Citrofortunella* sp., *C. microcarpa* (Rutaceae)  
*Citrus* sp., *C. aurantiifolia*, *C. aurantiifolia* 'Swingle', *C. aurantiifolia* 'Tahiti', *C. aurantium*, *C. jambhiri*, *C. latifolia*, *C. limetta*, *C. limettoides*, *C. limon*, *C. x limonia*, *C. maxima*, *C. maxima* 'Kao pan', *C. medica*, *C. meyeri*, *C. myrtifolia*, *C. nakoora*, *C. x nobilis*, *C. x nobilis* 'Temple', *C. x paradisi*, *C. reticulata*, *C. rugulosa*, *C. sinensis*, *C. sinensis* 'Sunburst', *C. sinensis* 'Valencia', *C. x tangelo*, *C. x tangelo* 'Minneola', *C. unshiu* (Rutaceae)  
*Dalbergia sissoo* (Leguminosae)  
*Fortunella crassifolia*, *F. margarita* (Rutaceae)  
*Grewia asiatica* (Tiliaceae)  
*Jasminum* sp., *J. cinnamomifolium*?, *J. humile*, *J. sambac* (Oleaceae)  
*Limonia* sp. (Rutaceae)  
*Loranthus* sp. (Loranthaceae)  
*Murraya koenigii*, *M. paniculata* (Rutaceae)  
*Poncirus trifoliata* (Rutaceae)  
*Pongamia pinnata* (Leguminosae)  
*Severinia buxifolia* (Rutaceae)

## GELECHIOIDEA

[See Family Classification (p. 71) for more modern arrangement of gelechioid families, subfamilies and tribes.]

## OECOPHORIDAE

### DEPRESSARIINAE

#### DEPRESSARIINI

- AGONOPTERIX** Hübner, [1825]  
*Epeleustria* Hübner, [1825]  
*Pinaris* Hübner, [1825]  
*Tichonia* Hübner, [1825]  
*Haemylis* Treitschke, 1832  
*Haemilis* Duponchel, 1838, missp.  
*Agonopteryx* auct., emend.  
*Syllocheilus* Meyrick, 1910  
*Ctenioxena* Meyrick, 1923  
 866 **eupatoriella** (Chambers, 1878) (McD 8440, part/8454)  
*eupatoriella* (Dyar, [1903]), missp.  
*plummerella* Busck, 1908  
 Range.— I (e. U.S.: PA-FL/IL-MS?)  
 Dates.— (stray?)  
 Hosts.— *Actinomeris alternifolia* (Compositae)  
*Eupatorium* sp. (Compositae)  
*Carya ovata* (Juglandaceae)  
 889 **argillacea** (Walsingham, 1881) (McD 8413/8422)

- blacella* Barnes & Busck, 1920  
 Range.— I-IV (N.Am.: N.S.-FL/UT-CA)  
 Dates.— Mar-Jun  
 Hosts.— *Amorpha fruticosa* (Leguminosae)  
*Ptelea trifoliata* (Rutaceae)  
*Salix bebbiana*, *S. lasiolepis* (Salicaceae)  
 \*890 **amissella** (Busck, 1908) (McD 8425)  
*amisella* Kimball, 1965, missp.  
 Range.— III (Florida)  
 Dates.— ?  
 Hosts.— Unknown  
 \*898 **amyrisella** (Busck, 1900) (McD 8427)  
*amyridella* (Meyrick, 1922), emend.  
 Range.— IV (Florida)  
 Dates.— Mar  
 Hosts.— *Amyris elemifera* (Rutaceae)

#### DEPRESSARIA Haworth, [1811]

- Volucrum* Berthold, 1827  
*Siganorosis* Wallengren, 1881  
*Schistodepressaria* Spuler, 1910  
 921 **cinereocostella** Clemens, 1864 (McD 8408)  
*clausella* Walker, 1864  
 Range.— I-III (e. N.Am.: N.S.-FL/Man.-NE)  
 Dates.— Apr, Jul-Aug  
 Hosts.— *Carum carvi* (Umbelliferae)  
*Cicuta maculata* (Umbelliferae)  
*Ligusticum scoticum* (Umbelliferae)  
*Oxypolis rigidior* (Umbelliferae)  
*Sium suave* (Umbelliferae)

### AMPHISBATINI

- EUPRAGIA** Walsingham, 1911  
 953 **hospita** Hodges, 1969 3.11  
 Range.— I-IV (se. U.S.: SC-FL/MS-TX)  
 Dates.— Apr-Oct  
 Hosts.— Unknown  
**PSILOCORIS** Clemens, 1860  
*Paepia* Walker, 1864  
*Hagno* Chambers, 1872  
 955 **quercicella** Clemens, 1860 (McD 8473)  
 Range.— I-III (e. N.Am.: N.S.-FL/IL-TX)  
 Dates.— May-Sep  
 Hosts.— *Castanea dentata* (Fagaceae)  
*Fagus grandifolia* (Fagaceae)  
*Quercus* sp., *Q. nigra*, *Q. virginiana* (Fagaceae)  
 956 **cryptolechiella** (Chambers, 1872) (McD 8469/8471/8472/8474)  
*faginella* (Chambers, 1872)  
*obsoletella* (Zeller, 1873)  
*dubitatella* (Zeller, 1877)  
*cressonella* (Chambers, 1878)  
 Range.— I-II (e. U.S.: ME-FL/IL-TX)  
 Dates.— Mar-May, Aug  
 Hosts.— *Castanea dentata* (Fagaceae)  
*Myrica pensylvanica* (Myricaceae)  
*Quercus* sp., *Q. laurifolia*, *Q. marilandica* (Fagaceae)  
*Robinia* sp. (Leguminosae)  
 957 **reflexella** Clemens, 1860 (McD 8467/8468/8470/8472.1)  
*ferruginosa* (Zeller, 1873)

*fletcherella* Gibson, 1909

*caryae* Clarke, 1941

Range.- I-IV (e. N.Am.: Que.-FL/WI-TX)

Dates.- Feb-Jul, Sep

Hosts.- *Acer* sp. (Aceraceae)

*Betula* sp. (Betulaceae)

*Carya* sp. (Juglandaceae)

*Corylus* sp. (Betulaceae)

*Fagus* sp. (Fagaceae)

*Populus* sp. (Salicaceae)

*Quercus* sp. (Fagaceae)

*Tilia* sp. (Tiliaceae)

## ETHMIINAE

**ETHMIA** Hübner, [1819]

*Psecadia* Hübner, [1825]

*Anesychia* Hübner, [1825]

*Disthymnia* Hübner, [1825]

*Melanoleuca* Stephens, 1829

*Aedia* Duponchel, 1836

*Chalybe* Duponchel, 1836

*Azinis* Walker, 1863

*Tamarrha* Walker, 1864

*Ceratophyes* Meyrick, 1887

*Theoxenia* Walsingham, 1887

*Babaia* Busck, 1902

*Wiltshireia* Amsel, 1949

994.1 **abraxasella** (Walker, 1864) (McD --) T

*aureoapicella* (Möschler, 1890)

*abraxella* Meyrick, 1914, emend.

a) **clarissa** Busck, 1914

Range.- VIII (FL; Bahamas-Cuba)

Dates.- Jul

Hosts.- Unknown

994.2 **submissa** Busck, 1914 (McD --) T

Range.- VIII (FL; West Indies)

Dates.- Jan, Mar

Hosts.- Unknown

994.3 **subsimilis** Walsingham, 1897 (McD --) T

Range.- VIII (FL; West Indies)

Dates.- Jun

Hosts.- Unknown

995 **notatella** (Walker, 1863) (McD 8632.1) T

*xanthorrhoea* (Zeller, 1877)

Range.- VIII (FL; West Indies)

Dates.- Mar-Jun, Aug-Oct

Hosts.- Unknown

996 **confusella** (Walker, 1863) (McD 8619) T

*strigosella* (Walker, 1864)

*ingricella* (Möschler, 1890)

*strigosa* (Cockerell, 1891), missp.

Range.- VIII (FL; West Indies-Trinidad; Mex.)

Dates.- Jan, Mar-Aug

Hosts.- *Bourreria ovata* (Boraginaceae)

997 **julia** Powell, 1973 (McD 8632.2) T

Range.- VIII (FL; Puerto Rico)

Dates.- Apr, June-Nov

Hosts.- Unknown

998 **farrella** Powell, 1973 T

Range.- VIII (FL; Jamaica)

Dates.- May-Sep

Hosts.- Unknown

\*998.1 **powelli** Heppner, 1988

Range.- VIII (Florida)

Dates.- Jun, Aug

Hosts.- Unknown

\*999.1 **kutisi** Heppner, 1991

Range.- II-III (Florida)

Dates.- Feb, Apr, Jun-Jul, Sep-Dec

Hosts.- Unknown

1003 **trifurcella** (Chambers, 1873) (McD 8620)

Range.- IA (e. U.S.: MD-FL/OH-TX)

Dates.- Apr, Jun

Hosts.- *Cynoglossum virginianum* (Boraginaceae)

## PELEOPODINAE

**PSEUDEROTIS** Clarke, 1956

1009 **obiterella** (Busck, 1908) (McD 8600)

Range.- I-II (se. U.S.: SC-FL/MS-TX)

Dates.- Feb-Jun, Sep-Nov

Hosts.- Unknown

## AUTOSTICHINAE

**AUTOSTICHA** Meyrick, 1886

*Brachmia*.- auct. (not Hübner, [1825])

1010.1 **kyotensis** (Matsumura, 1931) (McD --)

Kyoto moth

Range.- I-II (se. U.S. [introd.]: [GA]/FL-TX; Japan)

Dates.- Apr-May, Aug

Hosts.- detritus

## STENOMATINAE

### 3.19

**ANTAEOTRICHA** Zeller, 1854

*Mesoptycha* Zeller, 1854

*Brachiloma* Clemens, 1863

*Harpalyce* Chambers, 1874

*Ide* Chambers, 1880

*Aedemoses* Walsingham, 1912

1011 **schlaegeri** (Zeller, 1854) (McD 8582)

Range.- I-IV (e. N.Am.: Que.-FL/IA-AZ)

Dates.- Apr, Jun-Jul

Hosts.- *Quercus* sp., *Q. alba* (Fagaceae)

1013 **unipunctella** (Clemens, 1863) (McD 8584)

*lithosina* (Zeller, 1873)

*tortricella* (Chambers, 1874)

Range.- I-IV (so. U.S.: FL-AZ)

### 3.15

Dates.- Feb, Apr-Oct

Hosts.- *Castanea dentata* (Fagaceae)

*Quercus* sp. (Fagaceae)

1014 **leucillana** (Zeller, 1854) (McD 8585)

*algidella* (Walker, 1864)

### 3.14

Range.- I-VI (N.Am.: N.S.-FL/Man.-OR-TX; Mex.)

Dates.- Jan-Aug, Oct-Dec

Hosts.- *Acer* sp. (Aceraceae)

*Malus* sp. (Rosaceae)

*Pyracantha crenulata* (Rosaceae)

*Vaccinium corymbosum* (Ericaceae)

1015 **osseella** (Walsingham, 1889) (McD 8586/8587)

*querciella* (Busck, 1908)

Range.- I-III (e. U.S.: MA-FL/IL-TX)

Dates.- May-Jul, Sep-Oct

Hosts.- *Quercus alba*, *Q. muehlenbergii* (Fagaceae)

### 3.18

1016 **decorosella** (Busck, 1908) (McD 8588)

*decorasella* (Barnes & Busck, 1920), missp.

*decorella* (Barnes & Busck, 1920), missp.

Range.- I-III (Atlantic/Gulf Coasts: MA-FL-TX)

### 3.17

Dates.- Apr-May

Hosts.- *Quercus ilicifolia*, *Q. marilandica* (Fagaceae)

- 1019 **humilis** (Zeller, 1855) (McD 8590)  
*nebeculosa* (Zeller, 1873)  
*canusella* (Chambers, 1874)  
 Range.- I-VI (e. U.S.: NJ-FL/IL-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Quercus ilicifolia*, *Q. laevis*, *Q. laurifolia*, *Q. virginiana* (Fagaceae)
- 1024 **albulella** (Walker, 1864) (McD 8592)  
*vestalis* (Zeller, 1873)  
 Range.- I-VI (e. U.S.: NJ-FL/MS-TX)  
 Dates.- Jan-Dec  
 Hosts.- Unknown

**RECTIOSTOMA** Becker, 1982

- Setiostoma* Zeller, 1875, preocc. (not Felder & Rogenhofer, 1875)
- 1026 **xanthobasis** (Zeller, 1875) (McD 8597)  
 Range.- I-V (e. U.S.: MA-FL/AL-TX)  
 Dates.- Apr-May, Aug-Sep  
 Hosts.- *Quercus* sp. (Fagaceae)

**MENESTOMORPHA** Walsingham, 1907

- 1028 **oblongata** Walsingham, 1907 (McD 8579)  
 Range.- VI (s. U.S.: FL-CA)  
 Dates.- Jan (stray?)  
 Hosts.- *Quercus* sp. (Fagaceae)
- \*1029 **kimballi** (Duckworth, 1964) (McD 8604.1)  
 Range.- II-VIII (Florida)  
 Dates.- Jan-Dec  
 Hosts.- Unknown

**MENESTA** Clemens, 1860

- Hyale* Chambers, 1880
- 1030 **tortriciformella** Clemens, 1860 (McD 8602/8604)  
*liturella* (Walker, 1864)  
*coryliella* (Chambers, 1875)  
*albaciliaeella* (Chambers, 1875)  
*albiciliella* Walsingham, 1911, missp.  
*albaciliella* Braun, 1915, missp.  
 Range.- I-II (e. N.Am.: Ont.-FL/OH-TX)  
 Dates.- Jun  
 Hosts.- *Corylus americana* (Betulaceae) *Rubus villosus* (Rosaceae)
- 1031 **melanella** Murtfeldt, 1890 (McD 8603)  
 Range.- I-VI (Atlantic/Gulf Coasts: MA-FL-TX)  
 Dates.- Apr, Jul  
 Hosts.- *Quercus* sp., *Q. stellata* (Fagaceae)

**GONIOTERMA** Walsingham, 1897

- 1032 **mistrella** (Busck, 1907) (McD 8594)  
 Range.- I-IV (e. N.Am.: PA-FL/Man.-NM)  
 Dates.- Mar-May, Aug  
 Hosts.- Unknown

**OECOPHORINAE****OECOPHORINI****INGA** Busck, 1908

- Lysigrapha* Meyrick, 1914  
*Pelomimas* Meyrick, 1914  
*Orsimacha* Meyrick, 1914  
*Siderograptis* Meyrick, 1920  
*Phanerodoxa* Meyrick, 1921  
*Epimoryctis* Meyrick, 1930  
*Horomeristis* Meyrick, 1931  
*Agriotorna* Meyrick, 1931

- 9.44 1034 **sparsiciliella** (Clemens, 1864) (McD 8466) 9.41  
*contrariella* (Walker, 1864)  
*inscitella* (Walker, 1864)  
*atropicta* (Zeller, 1875)  
 Range.- I-VI (Atlantic/Gulf Coasts: NY-FL-TX)  
 Dates.- Mar-Nov  
 Hosts.- Unknown
- 3.21 1035 **cretacea** (Zeller, 1873) (McD 8388)  
 Range.- I-IV (so. U.S.: NC-FL/OK-AZ; Mex.)  
 Dates.- Apr-Aug, Oct-Nov  
 Hosts.- Unknown

**DECANTHA** Busck, 1908

- 1042 **boreasella** (Chambers, 1873) (McD 8358) 3.12  
 Range.- I-IV (e. U.S.: MA-FL/IL-TX)  
 Dates.- Jan-Apr, Dec  
 Hosts.- *Polystichum* sp. (Polypodiaceae)
- 1043 **stecia** Hodges, 1974  
 Range.- I-III (e. U.S.: MA-FL/TN-TX)  
 Dates.- Mar-May  
 Hosts.- Unknown

**CALLIMA** Clemens, 1860

- Epicallima* Dyar, [1903], repl. name
- 1046 **argenticinctella** Clemens, 1860 (McD 8361) 3.13  
 Range.- I-III (e. N.Am.: N.S.-FL/IL-TX)  
 Dates.- May, Aug-Oct  
 Hosts.- *Ulmus* sp. (Ulmaceae) [on lichens?]
- \*1047 **nathrax** Hodges, 1974  
 Range.- I-IV (Florida)  
 Dates.- Apr-May, Aug-Sep  
 Hosts.- Unknown

**MARTYRINGA** Busck, 1902

- Anchonoma* Meyrick, 1910  
*Santuzza* Heinrich, 1920
- 1066 **xeraula** (Meyrick, 1910) (McD 8380.1) 3.10  
*kuwanii* (Heinrich, 1920)  
*ravicapitis* Hodges, 1960  
 Himalayan grain moth  
 Range.- I-II (se. U.S. [introd.]: SC-FL/AL-TX; Old World)  
 Dates.- Jul-Sep  
 Hosts.- detritus?

**EIDO** Chambers, 1873

- Venilia* Chambers, 1872, preocc. (Rafinisque, 1815)  
*Eumeyrickia* Busck, 1902
- 1068 **trimaculella** (Fitch, 1856) (McD 8390/8391) 3.22  
*albapalpella* (Chambers, 1872)  
*albapulvella* (Chambers, 1875)  
*haustellata* (Walsingham, 1882)  
 Range.- I-II (N.Am.: N.S.-FL/B.C.-AR)  
 Dates.- Apr  
 Hosts.- *Fomes fomentarius* (Polyporaceae)  
*Polyporus betulinus* (Polyporaceae)

**STATHMOPODINI****STATHMOPODA** Herrich-Schäffer, 1853

- Boocara* Butler, 1880  
*Placostola* Meyrick, 1887  
*Erineda* Busck, 1909  
*Agrioscelis* Meyrick, 1913  
*Kakivoria* Nagano, 1916

1070 **elyella** (Busck, 1909) (McD 8808)  
 Range.- I-II (e. U.S.: CT-FL/IL-TX?)  
 Dates.- Jan  
 Hosts.- Unknown

**IDIOGLOSSA** Walsingham, 1881  
*Metamorphia* Frey & Boll, 1878, preocc.  
 (Hübner, [1819])  
*Idiostoma* Walsingham, 1882  
 1072 **miraculosa** (Frey, 1878) (McD 8810)  
*americella* (Walsingham, 1882)  
 Range.- IA (e. U.S.: VA-FL/IL-TX)  
 Dates.- May, Sep-Oct  
 Hosts.- *Dichantelium clandestinum* (Gramineae)

## ELACHISTIDAE

### ELACHISTINAE

**ELACHISTA** Treitschke, 1833  
*Elachista* Kollar, 1832, suppressed  
*Aphlosetia* Stephens, 1834  
*Cynodia* Herrich-Schäffer, 1853  
*Poeciloptilia* Herrich-Schäffer, 1853 (not  
 Hübner, [1825])  
*Phigalia* Chambers, 1875, preocc. (Dupon-  
 chel, 1829)  
*Atachia* Wocke, [1876]  
*Neaera* Chambers, 1880, preocc. (Robineau-  
 Desvoidy, 1830)  
*Hecista* Wallengren, 1881  
*Aphigalia* Dyar, [1903]  
*Irenicodes* Meyrick, 1919  
*Euproteodes* Viette, 1954

[NOTE: Kaila (1999b) has synonymized most all genera in this family with *Elachista*, like *Biselachista*, *Cosmiotes* and *Dicranoctetes* among others, but this is not done herein. Until the genera are studied more, some new species of Kaila's are herein reassigned to current genera as needed.]

\*1118.2 **aristoteliella** Kaila, 1999  
 Range.- I-II (Florida)  
 Dates.- ?  
 Hosts.- Unknown  
 1119 **solitaria** Braun, 1922 (McD 9034)  
 Range.- I-II (e. N.Am.: OH-FL/KY-AR)  
 Dates.- Jun-Jul, Oct  
 Hosts.- *Panicum* sp. (Gramineae)  
 1123.1 **glenni** Kaila, 1996  
 Range.- I-II (e. N.Am.: VA-FL/IL-AR)  
 Dates.- Jan  
 Hosts.- Unknown

**BISELACHISTA** Traugott-Olsen & Nielsen, 1977  
 1124 **cucullata** (Braun, 1921) (McD 9044)  
*cucullata* (Kimball, 1965), missp.  
 Range.- IA (e. N.Am.: Ont.-FL/IL-NM)  
 Dates.- May-Jun  
 Hosts.- *Carex* sp., *C. jamesii* (Cyperaceae)  
 \*1124.1 **calusella** (Kaila, 1996), **n. comb.**  
 Range.- III (Florida)  
 Dates.- May-Jun  
 Hosts.- Unknown

**DICRANOCTETES** Braun, 1918  
*Donacivola* Busck, [1934]  
 1132 **brachyelytrifoliella** (Clemens, 1864) (McD 9010)  
*brachyelythrifoliella* (Kaila, 1999), missp.

Range.- I-II (e. U.S.: PA-FL/IL?-TX)  
 Dates.- Jan, Apr, Aug, Nov-Dec  
 Hosts.- *Brachyelytrum erectum* (Gramineae)  
*Imperator cylindrica* (Gramineae)  
*Muhlenbergia tenuiflora* (Gramineae)  
 1132.1 **saccharella** (Busck, [1934]) (McD --) T  
 Sugarcane leafminer  
 Range.- IV-VI (FL [introd.]; Cuba; Peru)  
 Dates.- Aug  
 Hosts.- *Saccharum officinarum* (Gramineae)  
 \*1132.2 **dulcinella** (Kaila, 1999), **n. comb.**  
 Range.- II-III (Florida)  
 Dates.- Jan, Apr-May, Nov-Dec  
 Hosts.- *Imperator cylindrica* (Gramineae)

## BLASTOBASIDAE

### SYMMOCINAE

[NOTE: Symmocinae are now considered part of Oecophoridae, as the tribes Symmocini, Oegoconiini, and Glyphidocerini, all part of the subfamily Autostichinae (they are left in Blastobasidae herein for ease of use of the species numbers). The remainder of the true Blastobasidae have the MONA catalog numbers somewhat mixed up due to the revisionary studies of Adamski and Brown (1989).]

### OEGOCONIINI

**SCEPTEA** Walsingham, 1891  
*Sceptia* McDunnough, 1939, missp.  
 1135 **aequepulpella** (Chambers, 1872) (McD 8341/8347)  
*aberratella* (Busck, 1907)  
 Range.- I-II (e. U.S.: VA-FL/UT-TX)  
 Dates.- Mar, May  
 Hosts.- Unknown

### GLYPHIDOCERINI

**GLYPHIDOCERA** Walsingham, 1892  
*Harpagandra* Meyrick, 1918  
 1136 **barythyma** Meyrick, 1929 (McD 8351)  
 Range.- I-VI (Gulf Coast: FL-TX)  
 Dates.- Feb-Mar, Jun-Jul  
 Hosts.- Unknown  
 1136.1 **juniperella** Adamski, 1987  
 Juniper tip moth  
 Range.- I (se. U.S.: FL-MS)  
 Dates.- Apr, Jul-Sep  
 Hosts.- *Juniperus* sp., *J. horizontalis* (Cupressaceae)  
 1137 **democratica** Meyrick, 1929 (McD 8350)  
*aequepulpella*.- auct. (not Chambers, 1872)  
 Range.- I-IV (so. U.S.: FL-TX)  
 Dates.- Apr-May, Oct  
 Hosts.- Unknown  
 \*1138 **floridanella** Busck, 1901 (McD 8348)  
 Range.- II-IV (Florida)  
 Dates.- Jan-Mar, May, Jul, Sep-Oct, Dec  
 Hosts.- Unknown  
 1139 **lactiflosella** (Chambers, 1878) (McD 8342)  
 Range.- I-V (se. U.S.: MD-FL/AR-TX)  
 Dates.- Jan-Oct  
 Hosts.- Unknown  
 \*1142 **septentrionella** Busck, 1904 (McD 8345/8346/  
 8349)  
*speratella* Busck, 1908



*isonephes* Meyrick, 1929  
 Range.- IV (Florida)  
 Dates.- May, Sep  
 Hosts.- Unknown  
 1143 **dimorphella** Busck, 1907 (McD 8343)  
 Range.- I-II (e. U.S.: MD-FL/KY-TX)  
 Dates.- Feb, Apr-May, Jul, Aug-Oct  
 Hosts.- Unknown

**GERDANA** Busck, 1908  
 1144 **caritella** Busck, 1908 (McD 8333/8465)  
*telemacha* (Meyrick, 1927)  
 Range.- I-III (e. U.S.: MA-FL/IL-TX)  
 Dates.- Jan, Mar-Apr, Jun-Oct  
 Hosts.- Unknown

## BLASTOBASINAE

### HOLCOCERINI

**HOLCOCERA** Clemens, 1863  
*Cynotes* Walsingham, 1907  
*Eubolepia* Dietz, 1910  
*Holocera* Dietz, 1910, missp.  
 1148 **guilandinae** (Busck, 1900) (McD 8477) T  
 Range.- IV (FL; Bermuda)  
 Dates.- Mar  
 Hosts.- *Caesalpinia bonducella*, *C. crista* [stem] (Legumi-  
 nosae)  
*Garberia heterophylla* (Compositae)  
*Yucca* sp. (Agavaceae)  
 1157 **albapenella** (Chambers, 1875) (McD 8486/8526/  
 8946)  
*citricolella* (Chambers, 1880)  
*citriella* (Chambers, 1880), missp.  
*nana* (Dietz, 1910)  
*albapennella* McDunnough, 1939, missp.  
 Range.- I-III (Gulf Coast; FL-TX)  
 Dates.- Mar  
 Hosts.- *Citrus sinensis* [dried fruit] (Rutaceae)  
 \*1158 **coccivorella** (Chambers, 1880) (McD 8487) **3.8**  
 Scale-feeding scavenger moth  
 Range.- II-III (Florida)  
 Dates.- Mar-Apr  
 Hosts.- *Kermes ?pallidus* (Coccidae) [on *Quercus* sp.  
 (Fagaceae)]  
 1175 **chalcofrontella** Clemens, 1863 (McD 8505/8506/  
 8511/8516/8518/8519/8520, part)  
*purpurocomella* Clemens, 1863  
*gibbociliella* Clemens, 1863  
 var. *quisquiliella* (Zeller, 1873)  
*livorella* (Zeller, 1873)  
*maligemmella* (Murtfeldt, 1898)  
*ochrocephala* Dietz, 1910  
 var. *minorella* Dietz, 1910  
 var. *fumerella* Dietz, 1910  
 var. *reductella* Dietz, 1910  
*gibbociliella* Forbes, 1923, missp.  
*quisqueliella* McDunnough, 1939, missp.  
*livornella* Kimball, 1965, missp.  
 Range.- I-IV (e. U.S.: NY-FL/IL-TX)  
 Dates.- Mar, Jun-Aug  
 Hosts.- *Malus* sp. (Rosaceae)  
*Rhus* sp. (Anacardiaceae)  
 \*1178 **crassicornella** Dietz, 1910 (McD 8484/8507) **3.7**  
*eribotryae* (Busck, 1915)

Range.- II-IV (Florida)  
 Dates.- Mar, Jul  
 Hosts.- *Acer rubrum* (Aceraceae)  
*Eriobotrya japonica* [dried fruit] (Rosaceae)

**CALOSIMA** Dietz, 1910  
 1168 **argyrosplendella** Dietz, 1910 (McD 8497)  
 Range.- I-IV (e. U.S.: PA-FL/KY?-LA)  
 Dates.- Mar, May, Aug  
 Hosts.- Unknown  
 1169 **dianella** Dietz, 1910 (McD 8498) **3.9**  
*lepidophaga* (Clarke, 1960)  
*lepiophaga* Knudson & Bordelon, 1999,  
 missp.  
 Eastern pine catkin borer  
 Range.- I-IV (se. U.S.: GA-FL/TX)  
 Dates.- Jan-May, Jul-Aug  
 Hosts.- *Pinus elliottii*, *P. palustris* (Pinaceae)  
 \*1169.1 **lucidella** Adamski, 1989  
 Range.- I-III (Florida)  
 Dates.- May, Oct  
 Hosts.- Unknown  
 1181 **elyella** (Dietz, 1910) (McD 8527)  
 Range.- I-III (e. U.S.: CT-FL/IL-TX?)  
 Dates.- Mar  
 Hosts.- Unknown  
 1197 **melanostriatella** (Dietz, 1910) (McD 8546)  
*melonostriatella* auct., missp.  
 Range.- I-II (e. U.S.: CT-FL)  
 Dates.- Apr, Aug  
 Hosts.- Unknown

### BLASTOBASINI

**BLASTOBASIS** Zeller, 1855  
*Epistetus* Walsingham, 1894  
*Prosthesis* Walsingham, 1907  
*Valentinia* Walsingham, 1907  
*Zenodochium* Walsingham, 1908  
*Euresia* Dietz, 1910  
*Blastorasis* Dietz, 1910, missp.  
 1150.1 **ochrobathra** Meyrick, 1921 (McD 8485.1) T  
 Range.- VI (FL; West Indies-Guyana)  
 Dates.- Jan  
 Hosts.- *Bromelia pingium* [decayed fruit] (Bromeliaceae)  
 \*1160 **floridella** (Dietz, 1910) (McD 8493)  
 Range.- I-VI (Florida)  
 Dates.- Feb-May, Oct-Nov  
 Hosts.- *Zamia pumila* [female cone] (Zamiaceae)  
 1162 **glandulella** (Riley, 1871) (McD 8488/8508) **9.39**  
*modestella* (Clemens, 1863), suppr.  
*nubilella* (Zeller, 1873)  
 Acorn moth  
 Range.- I-IV (e. U.S.: NJ-FL/IL-TX)  
 Dates.- Jan-Apr, Jun-Nov  
 Hosts.- *Carya* sp. [nut] (Juglandaceae)  
 1164 **quaintancella** (Dietz, 1910) (McD 8490)  
 Range.- I-IV (Gulf Coast: FL-TX)  
 Dates.- May  
 Hosts.- Unknown  
 1166 **retectella** Zeller, 1873 (McD 8489/8492)  
*fractilinea* Zeller, 1873  
 Range.- I-IV (Gulf Coast: FL-TX)  
 Dates.- May, Aug-Sep  
 Hosts.- Unknown

**HYPATOPA** Walsingham, 1907*Catacrypsis* Walsingham, 1907*Prosodica* Walsingham, 1907*Catacrypris* Dietz, 1910, missp.*Prorodica* Dietz, 1910, missp.*Blastobasoides* McDunnough, 19611184 **funebra** (Dietz, 1910) (McD 8520)

Range.- I-IV (e. U.S.: MD-FL)

Dates.- Apr

Hosts.- Unknown

1198 **messelinella** (Dietz, 1910) (McD 8531)

Range.- II (e. U.S.: NJ-FL)

Dates.- ?

Hosts.- Unknown

1208 **punctiferella** (Clemens, 1863) (McD 8534/8540/8543)var. *subsenella* (Zeller, 1873)*clemensella* (Chambers, 1874)*tartarella* (Dietz, 1910)

Range.- I-IV (e. U.S.: PA-FL/KY-TX)

Dates.- May, Sep

Hosts.- Unknown

1214 **spretella** (Dietz, 1910) (McD 8538)

Range.- I-II (so. U.S.: FL-AZ)

Dates.- Mar

Hosts.- Unknown

**PIGRITIINI****PIGRITIA** Clemens, 1860*Dryope* Chambers, 1874, preocc. (Robineau-Desvoidy, 1830)*Ploiophora* Dietz, 1900*Ploeophora* Dietz, 1900, missp.*Epigritia* Dietz, 1900*Pseudopigritia* Dietz, 1900*Dryoperia* Coolidge, 19091232 **laticapitella** Clemens, 1860 (McD 8551/8553-8560/8563/8565/8573/8575-8578)*ochreella* Clemens, 1863*aufugella* (Zeller, 1873)*anfugella* Dietz, 1900, missp.*ampla* (Dietz, 1900)*confusella* Dietz, 1900*purpurella* Dietz, 1900*basilarella* Dietz, 1900*basilorella* Dietz, 1900, missp.*mediofasciella* Dietz, 1900*ornatella* Dietz, 1900*angustipennella* Dietz, 1900*tristella* Dietz, 1900*obscurella* Dietz, 1900*dorsomaculella* (Dietz, 1900)*equitella* (Dietz, 1900)*fraternella* (Dietz, 1900)*argyreella* (Dietz, 1900)*occidentella* (Dietz, 1900)*erratella* (Dietz, 1910)*argyreella* Adamski & Brown, 1989, missp.*ochreella* Adamski & Brown, 1989, missp.

Range.- [I-II] (e. U.S.: NH-[FL]/KS-TX)

Dates.- ?

Hosts.- Unknown

1246 **murtfeldtella** (Chambers, 1874) (McD 8562/8566-8572/8574)*luteopulvella* (Chambers, 1875)*spoliatella* Dietz, 1900*pallidotinctella* (Dietz, 1900)*tenebrella* (Dietz, 1900)*minnicella* (Dietz, 1900)*grisella* (Dietz, 1900)*fuscousuffusella* (Dietz, 1900)*canariella* (Dietz, 1900)*discopunctella* (Dietz, 1900)*fenyesella* (Dietz, 1900)*minnieella* (Dietz, 1900), missp.

Range.- [I-II] (U.S.: NY-[FL]/SD-CA)

Dates.- ?

Hosts.- Unknown

**COLEOPHORIDAE****COLEOPHORINAE****COLEOPHORA** Hübner, 1822*Eupista* Hübner, [1825]*Apista* Hübner, [1825]*Haploptilia* Hübner, [1825]*Porrectaria* Haworth, 1828*Damophila* Curtis, 1832*Astyages* Stephens, 1834*Metallosetia* Stephens, 1834*Casas* Wallengren, 1881*Casigneta* Wallengren, 1881*Corythangela* Meyrick, 1897*Casignetella* Strand, 1928*Calaritanian* Mariani, 1943*Heringiella* Börner, 1944*Tolleophora* Căpușe, 1971*Ionescumia* Căpușe, 1971*Stollia* Căpușe, 1971*Razowskia* Căpușe, 1971*Orghidania* Căpușe, 1971*Frederickoenigia* Căpușe, 1971*Suireia* Căpușe, 1971*Zagulajevica* Căpușe, 1971*Amseliphora* Căpușe, 1971*Nemesia* Căpușe, 1971*Zangheriphora* Căpușe, 1971*Bourgogneja* Căpușe, 1971*Aureliania* Căpușe, 1971*Bacesuia* Căpușe, 1971*Klinzigedia* Căpușe, 1971*Vladdelia* Căpușe, 1971*Klimeschja* Căpușe, 1971*Glaseria* Căpușe, 1971*Valvulongia* Căpușe, 1971*Falkovitshia* Căpușe, 1972*Helopharea* Falkovitsh, 1972*Cricotechna* Falkovitsh, 1972*Plegmidia* Falkovitsh, 1972*Agapalsa* Falkovitsh, 1972*Phylloschema* Falkovitsh, 1972*Bima* Falkovitsch, 1972*Systrophoea* Falkovitsh, 1972*Aporiptura* Falkovitsh, 1972*Symphypoda* Falkovitsh, 1972*Oedicaula* Falkovitsh, 1972*Argyractinia* Falkovitsh, 1972*Chnoocera* Falkovitsh, 1972*Orthographis* Falkovitsh, 1972

- Phagolamia* Falkovitsh, 1972  
*Monotemachia* Falkovitsh, 1972  
*Corethropoea* Falkovitsh, 1972  
*Characia* Falkovitsh, 1972  
*Perygra* Falkovitsh, 1972  
*Perygridia* Falkovitsh, 1972  
*Luzulina* Falkovitsh, 1972  
*Carpochena* Falkovitsh, 1972  
*Abaraschia* Căpușe, 1973  
*Amselghia* Căpușe, 1973  
*Ardania* Căpușe, 1973  
*Ascleriductia* Căpușe, 1973  
*Baraschia* Căpușe, 1973  
*Benanderpia* Căpușe, 1973  
*Calcomarginia* Căpușe, 1973  
*Caleophora* Căpușe, 1973, missp.  
*Corothropoea* Căpușe, 1973, missp.  
*Cornulivalvulia* Căpușe, 1973, missp.  
*Dumitrescumia* Căpușe, 1973  
*Ecebalia* Căpușe, 1973  
*Globulia* Căpușe, 1973  
*Hamuliella* Căpușe, 1973  
*Helvalbia* Căpușe, 1973  
*Ionnemesia* Căpușe, 1973  
*Kasyfia* Căpușe, 1973  
*Kuznetzovvilia* Căpușe, 1973  
*Lattisacculia* Căpușe, 1973  
*Longibacillia* Căpușe, 1973  
*Lucidaesia* Căpușe, 1973  
*Lvaria* Căpușe, 1973  
*Membrania* Căpușe, 1973  
*Metapista* Căpușe, 1973  
*Multicoloria* Căpușe, 1973  
*Neugenvia* Căpușe, 1973  
*Nosyrislia* Căpușe, 1973  
*Ortohgraphis* Căpușe, 1973, missp.  
*Oudejansia* Căpușe, 1973  
*Paravalvulia* Căpușe, 1973  
*Patzakia* Căpușe, 1973  
*Postvinculia* Căpușe, 1973  
*Proglaseria* Căpușe, 1973  
*Quadratia* Căpușe, 1973  
*Rhamnia* Căpușe, 1973  
*Sacculia* Căpușe, 1973  
*Scleriductia* Căpușe, 1973  
*Tollisia* Căpușe, 1973  
*Tuberculia* Căpușe, 1973  
*Ulna* Căpușe, 1973  
*Ductispira* Căpușe, 1973  
*Klimeschjosefia* Căpușe, 1975  
1291 **laticornella** Clemens, 1860 (McD 9085, part/9088)  
*caryaefoliella* Clemens, 1861  
Pecan cigar casebearer  
Range.- I-III (e. U.S.: NH-FL/MN-TX)  
Dates.- Mar-May, Jul  
Hosts.- *Carya* sp., *Carya illinoensis* (Juglandaceae)  
1387 **spissicornis** (Haworth, 1828) (McD 9092)  
*coruscipennella* Clemens, 1860  
*auropurpuriella* Chambers, 1874  
*coruscipennella* Chambers, 1878, missp.  
*auropurpurella* McDunnough, 1944, missp.  
Range.- I (e. U.S.: MA-FL/WA-CA)  
Dates.- May  
Hosts.- *Veronicastrum virginicum* (Scrophulariaceae)  
1398 **octagonella** Walsingham, 1882 (McD 9158)  
Range.- I (e. U.S.: ?MD-FL)

- Dates.- ?  
Hosts.- *Persea carolinensis* (Lauraceae)  
\*1398.1 [**n. sp.**]  
Range.- VI (Florida)  
Dates.- Jun-Jul  
Hosts.- *Chenopodium ambrosioides* (Chenopodiaceae)  
\*1398.2 [**n. sp.**]  
Range.- III (Florida)  
Dates.- Jul-Aug  
Hosts.- Unknown

## BATRACHEDRINAE

### BATRACHEDRA Herrich-Schäffer, 1853

*Eustaintonia* Spuler, 1910

- \*1405 **testor** Hodges, 1966  
Range.- IV-V (Florida)  
Dates.- Jan-May  
Hosts.- Unknown  
\*1406 **busiris** Hodges, 1966  
Range.- II-IV (Florida)  
Dates.- Jan-May, Aug, Nov-Dec  
Hosts.- Unknown  
\*1414 **mathesoni** Busck, 1916 (McD 7703)  
Range.- IV-VI (Florida)  
Dates.- Mar-Jun, Nov-Dec  
Hosts.- *Cocos nucifera* [flowers] (Palmae)  
\*1415 **libator** Hodges, 1966  
Range.- IV (Florida)  
Dates.- May-Jun  
Hosts.- Unknown  
1416 **decoctor** Hodges, 1966  
Range.- I-VI (Gulf Coast: FL-TX)  
Dates.- Jan-May, Nov-Dec  
Hosts.- *Serenia repens* [flowers] (Palmae)

### DUOSPINA Hodges, 1966

- 1420 **trichella** (Busck, 1908) (McD 7701)  
*concoris* (Meyrick, 1917)  
Range.- I-III (e. N.Am.: Ont.-FL/IL-TX)  
Dates.- Mar  
Hosts.- Unknown

### HOMALEDRA Busck, 1900

- 1421 **heptathalama** Busck, 1900 (McD 7736) **9.34**  
*heptathelama* Rings & Rings, 2001, missp.  
Palm leaf housemaker  
Range.- I-VI (se. U.S.: SC-FL/MS-LA)  
Dates.- Jan-Oct  
Hosts.- *Sabal palmetto* (Palmae)  
1422 **sabalella** (Chambers, 1880) (McD 7737) **3.6**  
Palm leaf skeletonizer  
Range.- I-VII (se. U.S.: SC-FL/MS-TX)  
Dates.- Jan-Sep  
Hosts.- *Acoelorrhaphe wrightii* (Palmae)  
*Beaucarnea recurvata* (Agavaceae)  
*Butia*, *B. capitata* (Palmae)  
*Caryota mitis* (Palmae)  
*Cocos nucifera* (Palmae)  
*Cycas revoluta* (Cycadaceae)  
*Latania* sp. (Palmae)  
*Livistona chinensis* (Palmae)  
*Paurotis wrightii* (Palmae)  
*Phoenix canariensis*, *P. dactylifera*, *P. reclinata* (Palmae)

*Roystonea oleracea* (Palmae)  
*Sabal palmetto* (Palmae)  
*Serenoa repens* (Palmae)  
*Trachycarpus fortunei* (Palmae)  
*Washingtonia filifera*, *W. robusta* (Palmae)

1422.1 [n. sp.] T  
 Caribbean palm leaf skeletonizer  
 Range.- IV-VIII (FL; West Indies; Mex.?)  
 Dates.- Jan-Dec  
 Hosts.- *Cocos nucifera* (Palmae)

## MOMPHIDAE

**MOMPHA** Hübner, [1825]

*Laverna* Curtis, 1839  
*Lophoptilus* Sircom, 1848  
*Cyphophora* Herrich-Schäffer, 1853  
*Psacaphora* Herrich-Schäffer, 1853  
*Anybia* Stainton, 1854  
*Wilsonia* Clemens, 1864  
*Leucophryne* Chambers, 1875

1429 **bottimeri** Busck, 1940 (McD 7751.1)  
 Range.- I-IV (se. U.S.: [GA]/FL-TX)  
 Dates.- Feb, Apr-Nov  
 Hosts.- *Helianthemum* sp., *H. corumbosum* [seeds] (Cistaceae)  
 1430 **brevivittella** (Clemens, 1864) (McD 7748)  
*oenotheraesemenella* (Chambers, 1876)  
*oenotheraevorella* (Chambers, 1880)  
*brevivittella* Kimball, 1965, missp.  
 Range.- I-IV (e. U.S.: NJ-FL/IL-TX)  
 Dates.- May, Oct  
 Hosts.- *Oenothera* sp., *O. biennis* [seeds] (Onagraceae)  
 1433 **cephalonthiella** (Chambers, 1871) (McD 7735)  
*cephalonthiella* (Chambers, 1875), missp.  
 Range.- I-IV (e. U.S.: NY-FL/IL-TX)  
 Dates.- Apr, Jun, Aug-Sep, Nov  
 Hosts.- *Cephalanthus occidentalis* (Naucleaceae)  
 1434 **circumscriptella** (Zeller, 1873) (McD 7750)  
 Range.- I-IV (e. U.S.: NJ-FL/IL-TX)  
 Dates.- Feb-Oct  
 Hosts.- *Oenothera* sp., *O. biennis* [seeds] (Onagraceae)  
 1443 **eloisella** (Clemens, 1860) (McD 7740)  
*magnatella* (Zeller, 1873)  
*oenotheraeella* (Chambers, 1875)  
*lyonetiella* (Chambers, 1875)  
 Range.- I-IV (e. U.S.: MA-FL/WI-TX)  
 Dates.- Apr-Jul, Dec  
 Hosts.- *Oenothera* sp. [stem] (Onagraceae)  
 1448 **murtfeldtella** (Chambers, 1875) (McD 7757)  
*albocapitella* (Chambers, 1875)  
*grissella* (Chambers, 1875)  
*obscurusella* (Chambers, 1875)  
*parvicristatella* (Chambers, 1875)  
*grissaeella* Dyar, [1903], missp.  
 Range.- I-VIII (e. U.S.: KY-FL/CO-TX)  
 Dates.- Mar-Apr, Jun-Aug  
 Hosts.- *Oenothera* sp. [buds] (Onagraceae)  
 1450 **passerella** (Busck, 1909) (McD 7739)  
 Range.- I-IV (e. U.S.: CT-FL/IL-TX)  
 Dates.- Feb-May, Jul, Sep-Dec  
 Hosts.- Unknown  
 1455 **stellella** Busck, 1906 (McD 7749)  
 Range.- I-IV (e. N.Am.: Ont.-FL/MI-TX)  
 Dates.- Mar-Apr  
 Hosts.- *Oenothera* sp. [flowers] (Onagraceae)

## COSMOPTERIGIDAE

### ANTEQUERINAE

**EUCLEMENSIA** Grote, 1878

*Hamadryas* Clemens, 1864, preocc. (Hübner, 1806)  
 1467 **bassettella** (Clemens, 1864) (McD 8806)  
 Bassett moth  
 Range.- I-IV (e. N.Am.: Ont.-FL/IL-TX)  
 Dates.- Apr-Oct  
 Hosts.- *Kermes* sp. (Homoptera: Kermesidae) [predaceous]

### COSMOPTERIGINAE

**COSMOPTERIX** Hübner, [1825]

*Cosmopteryx* Zeller, 1839, emend.  
*Cosmopteryx* Chambers, 1875, missp.  
 1469 **nitens** Walsingham, 1889 (McD 7687) 3.3  
 Range.- I-III (se. U.S.: SC-FL/AR-TX)  
 Dates.- Mar-Nov  
 Hosts.- *Zizania aquatica* (Gramineae)  
 1472 **pulchrimella** Chambers, 1875 (McD 7674)  
 Range.- I-VI (U.S.: MA-FL/WY-AZ)  
 Dates.- Jan-Jun, Oct  
 Hosts.- *Parietaria pensylvanica* (Urticaceae)  
*Pilea pumila* (Urticaceae)  
 1473 **bendidia** Hodges, 1962 (McD 7674.1)  
 Range.- I-VI (U.S.: MA-FL/IL-AZ)  
 Dates.- Feb, Nov  
 Hosts.- *Ipomoea* sp. (Convolvulaceae)  
 1474 **attenuatella** (Walker, 1864) (McD 7677)  
*flavofasciata* Wollaston, 1879  
*mimetis* Meyrick, 1897  
*antillia* Forbes, 1931  
*superba* Gozmány, 1960  
 Range.- I-VI (se. U.S.: GA-FL/LA-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Cyperus* sp. (Cyperaceae)  
 1479 **dapifera** Hodges, 1962 (McD 7690.2)  
 Range.- I-IV (so. U.S.: TN-FL/AR-AZ)  
 Dates.- Feb, May  
 Hosts.- Unknown  
 1480 **delicatella** Walsingham, 1889 (McD 7683)  
 Range.- I-IV (Atlantic/Gulf Coasts: MA-FL-TX)  
 Dates.- Mar-Jun  
 Hosts.- Unknown  
 \*1481 **dicacula** Hodges, 1962 (McD 7783.1)  
 Range.- II-IV (Florida)  
 Dates.- May-Jul  
 Hosts.- Unknown  
 1482 **lespedezae** Walsingham, 1882 (McD 7677, part)  
 Range.- I-III (se. U.S.: SC-FL/OH-TX)  
 Dates.- Jun  
 Hosts.- *Desmodium* sp. (Leguminosae)  
*Lespedeza* sp. (Leguminosae)  
 1486 **minutella** Beutenmüller, 1889 (McD 7684)  
 Range.- I-VI (Gulf Coast: [GA]/FL-TX)  
 Dates.- Mar-Jun, Oct-Nov  
 Hosts.- Unknown  
 1487 **abditella** Hodges, 1962 (McD 7684.1)  
 Range.- I-VI (se. U.S.: GA-FL/AR-TX)  
 Dates.- Feb-May, Aug-Sep

Hosts.— Unknown  
 1490 **gemmiferella** Clemens, 1860 (McD 7676)  
 Range.— I-VI (e. N.Am.: Que.-FL/IL-TX)  
 Dates.— Apr-May, Jul-Sep  
 Hosts.— *Panicum dichotomum* (Gramineae)  
 1491 **bacata** Hodges, 1962 (McD 7676.1)  
 Range.— I-IV (se. U.S.: [GA]/FL-TX)  
 Dates.— Mar, May  
 Hosts.— Unknown  
 \*1492 **damnosa** Hodges, 1962 (McD 7676.2)  
 Range.— I-IV (Florida)  
 Dates.— Mar, Jun  
 Hosts.— Unknown  
 1494 **scirpicola** Hodges, 1962 (McD 7675.1)  
 Range.— I-V (U.S.: MD-FL/WY-CA)  
 Dates.— Mar, Jun, Sep-Oct  
 Hosts.— *Scirpus* sp. [stem] (Cyperaceae)  
 1495 **ebriola** Hodges, 1962 (McD 7675.2)  
 Range.— I-IV (se. U.S.: GA-FL/MS-TX)  
 Dates.— Mar-May, Jul  
 Hosts.— Unknown  
 1497 **floridanella** Beutenmüller, 1889 (McD 7685, part)  
*nigrapunctella* Busck, 1900  
 Range.— I-VI (se. U.S.: MS-FL/AR-TX)  
 Dates.— Jan-May  
 Hosts.— Unknown

**PEBOPS** Hodges, 1978

\*1499 **ipomoeae** (Busck, 1900) (McD 7678)  
 Range.— IV-VIII (Florida)  
 Dates.— May, Nov  
 Hosts.— *Ipomoea* sp., *I. tiliacea* (Convolvulaceae)

**TANYGONA** Braun, 1923

1500 **lignicolorella** Braun, 1923 (McD 7691)  
 Range.— I-IV (e. U.S.: MD-FL/IL-TX)  
 Dates.— Apr-May  
 Hosts.— Unknown

**ERALEA** Hodges, 1962

1501 **albalineella** (Chambers, 1878) (McD 7692)  
*striata* Hodges, 1962  
 Range.— I-IV (so. U.S.: FL-CA)  
 Dates.— May, Nov  
 Hosts.— Unknown  
 \*1502 **abludius** Hodges, 1978  
*abludo* Hodges, 1983, missp.  
 Range.— III-IV (Florida)  
 Dates.— May  
 Hosts.— Unknown

**MELANOCINCLIS** Hodges, 1962

1503 **lineigera** Hodges, 1962 (McD 7713.1)  
 Range.— I-VI (e. U.S.: NJ-FL/AR-TX)  
 Dates.— Feb-May, Sep-Oct  
 Hosts.— *Pinus elliottii*, *P. taeda* [cones] (Pinaceae)  
 \*1506 **gnoma** Hodges, 1978  
 Range.— III-IV (Florida)  
 Dates.— May  
 Hosts.— Unknown  
 1507 **vibex** Hodges, 1978  
 Range.— I-IV (Gulf Coast: FL-TX)  
 Dates.— May-Jul  
 Hosts.— *Portulaca*? sp. (Portulacaceae)  
*Serenoa repens* (Palmae)

**STAGMATOPHORA** Herrich-Schäffer, 1853

*Eteobalea* Hodges, 1962  
*Parastagmatophora* Riedl, 1965  
 1508 **sexnotella** (Chambers, 1878) (McD 7716)  
 Range.— I-IV (e. N.Am.: Ont.-FL/IL-TX)  
 Dates.— Jan, Mar-May, Jul-Aug  
 Hosts.— *Trichostema dichotomum*, *T. suffrutescens* [stem galls] (Labiatae)

**PYRODERCES** Herrich-Schäffer, 1853

*Anatrachyntis* Meyrick, 1915  
*Sathrobrotia* Hodges, 1962  
 1512 **rileyi** (Walsingham, 1882) (McD 7723) T  
*stigmatophora* (Walsingham, 1897)  
 Pink scavenger caterpillar  
 Range.— I-VIII (se. U.S.: MD-FL/AR-AZ; West Indies; Mex.- Argentina; Hawaii [introd.]; Australia, Europe, Japan, Thailand [introd.])  
 Dates.— Jan-Dec  
 Hosts.— *Colocasia esculenta* (Araceae)  
*Gossypium* sp. (Malvaceae)  
*Hyptis rugosa* (Labiatae)  
*Ricinus communis* [flowers] (Euphorbiaceae)  
*Sorghum bicolor* (Gramineae)  
*Zea mays* [fruit] (Gramineae)  
 1513 **badia** (Hodges, 1962) (McD 7723.1)  
 Florida pink scavenger caterpillar  
 Range.— I-VI (U.S.: MD-FL/AR-TX; CA; Hawaii [introd.])  
 Dates.— Jan-Jun, Aug-Oct, Dec  
 Hosts.— *Brassica oleracea* (Cruciferae)  
*Cassia occidentalis* [fruit] (Leguminosae)  
*Citrus paradisi*, *C. aurantifolia* (Rutaceae)  
*Cocos nucifera* [flowers] (Palmae)  
*Eriobotrya japonica* [dried fruit] (Rosaceae)  
*Musa* sp. (Musaceae)  
*Pinus elliottii* [cones] (Pinaceae)  
*Prunus persica* [fruit mummies] (Rosaceae)  
*Roystonea elata* [fruits] (Palmae)  
*Ulmus* sp. (Ulmaceae)  
*Antonina* scale (on bamboo [Gramineae])  
 cottony cushion scale (on *Citrus* sp. [Rutaceae])  
 cotton mealybug (on *Citrus paradisi* [Rutaceae])  
 jumping plant louse (on *Lagerstroemia* sp., *Zea* sp., *Citrus* sp.) [Rutaceae]  
 mealybugs (on *Citrus sinensis* and orchid)  
 pustule scale (on *Nerium* sp. [Apocynaceae])  
 1514 **albistrigella** (Möschler, 1890) (McD--) T  
 Range.— I-VI (Gulf Coast: FL-TX; West Indies)  
 Dates.— May-Oct, Dec  
 Hosts.— Unknown

**LIMNAECIA** Stainton, 1851

*Limnoecia* auct., missp.  
*Lymnaecia* McDunnough, 1939, missp.  
 1515 **phragmitella** Stainton, 1851 (McD 7744)  
*phragmitiella* Dyar, [1903], missp.  
 Cattail flower moth  
 Range.— I-VI (e. N.Am.: N.S.-FL/WY-TX; Europe; Australia; New Zealand)  
 Dates.— Apr-May, Jul-Oct  
 Hosts.— *Typha* sp. [flowers; seeds] (Typhaceae)

**TRICLONELLA** Busck, 1901

*Anorcota* Meyrick, 1920  
*Pharmacoptis* Meyrick, 1932

- 1524 **pergandeella** Busck, 1901 (McD 8354)  
 Range.— I-III (se. U.S.: MD-FL/AR-TX)  
 Dates.— Mar-Jul, Sep-Oct  
 Hosts.— *Clitoria mariana*, *C. fragrans* (Leguminosae)  
*Lespedeza* sp. (Leguminosae)  
 1527 **determinatella** (Zeller, 1873) (McD 8355)  
*australisella* (Chambers, 1875)  
 Range.— I-V (c. U.S.: IL-FL/OK-TX; Mex.)  
 Dates.— Jan, Mar-Jun  
 Hosts.— Unknown

## CHRYSOPELEIINAE

- PERIPLOCA** Braun, 1919  
 1560 **orichalcella** (Clemens, 1864) (McD 7693/7712/9019)  
*concolorella* (Chambers, 1864)  
*purpuriella* Braun, 1919  
 Range.— I-VIII (U.S.: VA-FL/IL-CA)  
 Dates.— Mar, May, Nov  
 Hosts.— Unknown  
 \*1561 **arsa** Hodges, 1978  
 Range.— II-VIII (Florida)  
 Dates.— Jun, Sep-Oct  
 Hosts.— Unknown  
 1562 **ceanothiella** (Cosens, 1908) (McD 7714)  
 Range.— I (N.Am.: Ont.-FL/OR-CA)  
 Dates.— Mar  
 Hosts.— *Ceanothus americanus* [stem gall] (Rhamnaceae)  
 1573 **laeta** Hodges, 1962 (McD 7719.3)  
 Range.— I (so. U.S.: MD-FL/IL-AZ)  
 Dates.— Feb  
 Hosts.— *Juniperus* sp. [stem] (Cupressaceae)  
 1578 **fessa** Hodges, 1962 (McD 7719.6)  
 Range.— I-IV (e. U.S.: MD-FL/WY-TX)  
 Dates.— Apr  
 Hosts.— Unknown

- SISKIWITIA** Hodges, 1969  
 \*1589 **falcata** Hodges, 1978  
 Range.— II-IV (Florida)  
 Dates.— Apr-Jun  
 Hosts.— Unknown

- STILBOSIS** Clemens, 1860  
*Aeaea* Chambers, 1874  
*Amaurogramma* Braun, 1919  
 1596 **ostryaeella** (Chambers, 1874) (McD 7706)  
 Range.— I-IV (e. U.S.: MA-FL/IL-AR)  
 Dates.— May-Jun  
 Hosts.— *Ostrya* sp., *O. virginiana* (Betulaceae)  
 1597 **quadricustatella** (Chambers, 1880) (McD 7708)  
*quadricristatella* auct., missp.  
 Range.— I-IV (se. U.S.: GA-FL/IL-TX)  
 Dates.— May-Jun, Sep  
 Hosts.— Unknown  
 1611 **lonchocarpella** Busck, [1934] (McD --) T  
 Range.— VIII (FL; Cuba)  
 Dates.— Jan-Apr, Dec  
 Hosts.— *Lonchocarpus sericeus* (Leguminosae)  
*Piscidia* sp. (Leguminosae)

- WALSHIA** Clemens, 1864  
 1613 **particornella** (Busck, 1919) (McD 7721)  
 Range.— I-IV (e. U.S.: MD-FL/IL-TX)  
 Dates.— Nov  
 Hosts.— Unknown

- 1614 **elegans** Hodges, 1978  
 Range.— I-II (se. U.S.: GA?-FL/AR-TX)  
 Dates.— Jun-Jul, Sep-Oct  
 Hosts.— Unknown  
 1615 **miscecolorella** (Chambers, 1875) (McD 7743.1)  
*miscecalonella* (Chambers, 1875), missp.  
 Sweetclover root borer  
 Range.— I-VI (N.Am.: MD-FL/B.C.-CA)  
 Dates.— Jan-Mar, May-Oct  
 Hosts.— *Arachis hypogaea* (Leguminosae)  
*Astragalus* sp. (Leguminosae)  
*Cirsium vulgare* (Compositae)  
*Lupinus arboreus*, *L. chamissionis* (Leguminosae)  
*Melilotus* sp. (Leguminosae)  
 \*1617 **floridensis** Hodges, 1978  
 Range.— III-IV (Florida)  
 Dates.— Jan, Nov-Dec  
 Hosts.— *Dalea pinnata* (Leguminosae)  
 1618 **exemplata** Hodges, 1961 (McD --)  
 Range.— I-III (se. U.S.: MD-FL/AR-TX)  
 Dates.— Jul?, Sep  
 Hosts.— Unknown  
 1619 **similis** Hodges, 1961 (McD 7743.2)  
 Range.— I (e. U.S.: MA-FL/IL-TX)  
 Dates.— Sep, Nov  
 Hosts.— Unknown

- NEPOTULA** Hodges, 1964  
 \*1621 **secura** Hodges, 1964  
 Range.— I-III (Florida)  
 Dates.— Oct-Nov  
 Hosts.— Unknown

- AFEDA** Hodges, 1978  
 \*1622 **biloba** Hodges, 1978 T  
 Range.— VIII (Florida)  
 Dates.— Oct  
 Hosts.— Unknown

- PERIMEDE** Chambers, 1874  
 1623 **erransella** Chambers, 1874 (McD 7720)  
 Range.— I-VI (e. N.Am.: N.S.-FL/MS-TX)  
 Dates.— Jan-Jul, Nov-Dec  
 Hosts.— *Carya tomentosa* (Juglandaceae)  
*Liriodendron tulipifera* (Magnoliaceae)  
*Quercus coccinea*, *Q. velutina* (Fagaceae)  
*Taxodium* sp., *T. distichum* (Taxodiaceae)  
*Ulmus* sp. (Ulmaceae)  
 1632 **falcata** Braun, 1919 (McD 7722)  
 Range.— I-VI (e. U.S.: MA-FL/IL-TX)  
 Dates.— Feb-Mar, May, Sep, Nov-Dec  
 Hosts.— Unknown

- ITHOME** Chambers, 1875  
*Eriphia* Chambers, 1875, preocc. (Latreille, 1817)  
 1638 **concolorella** (Chambers, 1875) (McD 7711/7712) **3.4**  
*unimaculella* Chambers, 1875  
*unomaculella* auct., missp.  
 Kiawe flower moth  
 Range.— I-IV (c. U.S.: OH-FL/IL-AZ)  
 Dates.— Mar  
 Hosts.— *Acacia farnesiana* (Leguminosae)  
*Prosopis chilensis* (Leguminosae)  
*Schrankia nuttalli* (Leguminosae)  
 1639 **curvipunctella** (Walsingham, 1892) (McD 7712.1) T

- quinquepunctata* (Forbes, 1931)  
 Range.- IV-VIII (FL; West Indies)  
 Dates.- Jan, Mar-Apr, Sep-Oct, Dec  
 Hosts.- *Coccoloba uvifera* (Polygonaceae)  
 \*1640 **ferax** Hodges, 1962 (McD 7712.4)  
 Range.- III-IV (Florida)  
 Dates.- Jan-Apr  
 Hosts.- Unknown  
 \*1642 **aquila** Hodges, 1978 T  
 Range.- IV-VIII (Florida)  
 Dates.- Jan, Mar, Oct-Nov  
 Hosts.- *Pithecellobium unguis-cati* [flowers] (Leguminosae)  
 1643 **lassula** Hodges, 1962 (McD 7712.3) T  
 Range.- VI-VIII (se. U.S.: FL-TX; [Mex.?.])  
 Dates.- Mar-Apr  
 Hosts.- *Leucaena glauca* (Leguminosae)  
 \*1644 **simulatrix** Hodges, 1978  
 Range.- VI (Florida)  
 Dates.- Apr  
 Hosts.- Unknown

## SCYTHRIDIDAE

- AROTRURA** Walsingham, 1888  
*Colinita* Busck, 1907  
 1667 **oxyplecta** Meyrick, 1916 (McD 8971)  
 Range.- I-IV (Gulf Coast: FL-TX)  
 Dates.- Jun  
 Hosts.- Unknown
- SCYTHRIS** Hübner, [1825]  
*Butalis* Treitschke, 1833, preocc. (Boie, 1826)  
 1652 **basilaris** (Zeller, 1855) (McD 8950)  
*flavifrontella* (Clemens, 1860)  
 Range.- I (e. N.Am.: Ont.-FL/IA-MS?)  
 Dates.- Jun-Jul  
 Hosts.- ?*Ceanothus americanus* (Compositae)  
 \*1653.1 [**n. sp.**]  
 Range.- VI (Florida)  
 Dates.- Apr  
 Hosts.- Unknown  
 1659 **fuscicomella** (Clemens, 1860) (McD 8955)  
*eboracensis*.- Kimball, 1965, misid. (not Zeller, 1855)  
 Range.- I-II (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- Apr-May, Aug-Oct  
 Hosts.- Unknown  
 1678 **trivinctella** (Zeller, 1873) (McD 8967)  
 Range.- I-VIII (N.Am.: MA-FL/BC-AZ; Mex.)  
 Dates.- Apr-May, Aug-Sep, Nov  
 Hosts.- *Amaranthus hybridus*, *A. retroflexus* (Amaranthaceae)
- RHAMPHURA** J. Landry, 1991  
 \*1680.1 [**n. sp.**]  
*eboracensis*.- auct., misid. (not Zeller, 1855)  
 Range.- I-II (Florida)  
 Dates.- Apr, Oct  
 Hosts.- ?*Cirsium* sp. (Compositae)

## GELECHIIDAE

### GELECHINAE

#### ANOMOLOGINI

- NEALYDA** Dietz, 1900  
 \*1682 **kinzelella** Busck, 1900 (McD 7776) T  
 Range.- IV-VIII (Florida)  
 Dates.- Jul  
 Hosts.- *Guapira obtusata* (Nyctaginaceae)  
 \*1683 **phytolaccae** Clarke, 1946 (McD 7776.1) T  
 Range.- VIII (Florida)  
 Dates.- Apr, Jun  
 Hosts.- *Phytolacca americana* (Phytolaccaceae)  
 \*1684 **pisoniae** Busck, 1900 (McD 7775) T  
 Range.- IV-VIII (Florida)  
 Dates.- Feb, Jul  
 Hosts.- *Pisonia aculeata* (Nyctaginaceae)
- METZNERIA** Zeller, 1839  
*Cleodora* Stephens, 1834, preocc. (Peron & Lesueur, 1810)  
*Parasia* Duponchel, 1846  
*Archimetzneria* Amsel, 1936  
 1685 **lappella** (Linnaeus, 1758) (McD 7780)  
 Burdock seed moth  
 Range.- I-IV (e. N.Am. [introd.]: Que.-FL/MI-MO; Europe)  
 Dates.- Mar-May, Oct  
 Hosts.- *Arctium* sp., *A. lappa* [seeds] (Compositae)

#### ISOPHRICHTIS Meyrick, 1917

- 1686.1 [**n. sp.**]  
 Range.- II (GA?/Florida)  
 Dates.- ?  
 Hosts.- Unknown

#### MONOCHROA Heinemann, 1870

- Catabrachmia* Rebel, 1909  
 1706 **absconditella** (Walker, 1864) (McD 7814) **3.24**  
*palpiannulella* (Chambers, 1872)  
 Range.- I-II (se. U.S.: MD-FL/IL-TX?)  
 Dates.- Jan-Feb, Apr-Dec  
 Hosts.- *Ampelopsis* sp. (Vitaceae)  
*Polygonum* sp., *P. densiflorum*, *P. punctatum* [stem] (Polygonaceae)

#### THEISOA Chambers, 1874

- Helice* Chambers, 1873, preocc. (de Haan, 1835)  
*Cacelica* Busck, 1902  
 1722 **constrictella** (Zeller, 1873) (McD 7862)  
*bifasciella* (Chambers, 1874)  
 Range.- I-III (se. U.S.: MA-FL/IL-TX)  
 Dates.- Mar  
 Hosts.- *Ulmus* sp. (Ulmaceae)

### GELECHINI

#### ARISTOTELIA Hübner, [1825]

- Ergatis* Heinemann, 1870, preocc. (Blackwell, 1841)  
*Isochasta* Meyrick, 1886  
*Eucatoptus* Walsingham, 1897  
 1733.1 **corallina** Walsingham, 1909 (McD 7817.1) T

*coralina* Knudson & Bordelon, 1999, missp.  
Range.- I-VIII (se. U.S.: [GA]-FL/[AL]-TX; Mex.; West Indies)

Dates.- Jan-Dec  
Hosts.- *Cassia nictitans* var. *aspera* (Leguminosae)  
1743 **ivae** Busck, 1900 (McD 7825)

Range.- I-VIII (Gulf Coast: [GA]/FL-TX)

Dates.- Jan-May, Oct-Nov

Hosts.- *Iva frutescens* (Compositae)

1748 **monilella** Barnes & Busck, 1920 (McD 7845)

Range.- I (se. U.S.: NC-FL)

Dates.- Apr-May

Hosts.- Unknown

1754 **primipilana** Meyrick, 1923 (McD 7847)

Range.- I-III (e. N.Am.: Ont.-FL)

Dates.- Jun-Jul, Sep-Oct

Hosts.- Unknown

1761 **roseosuffusella** (Clemens, 1860) (McD 7834)  
*belleta* (Walker, 1865)

Range.- I-VIII (e. N.Am.: N.S.-FL/WI-TX?)

Dates.- Jan, Mar-Jun, Sep-Nov

Hosts.- *Trifolium* sp. (Leguminosae)

1762 **rubidella** (Clemens, 1860) (McD 7818/7828, part)  
*rubensella* (Chambers, 1872)

Range.- I-IV (e. U.S.: ME-FL/IL-TX)

Dates.- May-Aug, Dec

Hosts.- *Quercus* sp. (Fagaceae)

**GLAUCE** Chambers, 1875

1766 **pectenalaecella** Chambers, 1875 (McD 7859)

Range.- I-IV (e. U.S.: NY-FL/IL-TX)

Dates.- Feb, Apr, Jun, Aug

Hosts.- Unknown

**NAERA** Chambers, 1875

*Leuce* Chambers, 1875, repl. name

1767.1 [**n. sp.**]

Range.- I (se. U.S.: [GA]/FL-[AL])

Dates.- Sep

Hosts.- Unknown

**EVIPPE** Chambers, 1873

*Phaetusa* Chambers, 1875, preocc. (Wagler, 1832)

*Tholerostola* Meyrick, 1917

1770 **leuconota** (Zeller, 1873) (McD 7868)

*plutella* (Chambers, 1875)

Range.- I (e. U.S.: NY-FL/IL-TX)

Dates.- May

Hosts.- Unknown

1771 **prunifoliella** Chambers, 1873 (McD 7867)

Range.- I-IV (e. U.S.: NY-FL/IL-TX)

Dates.- Jan-Apr, Aug-Oct

Hosts.- *Prunus americana* (Rosaceae)

**RECURVARIA** Haworth, 1828

*Telea* Stephens, 1834, preocc. (Hübner, [1819])

*Aphanaula* Meyrick, 1895

*Hinnebergia* Spuler, 1910

*Microlechia* Turati, 1924

\*1786.1 [**n. sp.**]

Range.- II (Florida)

Dates.- ?

Hosts.- Unknown

**COLEOTECHNITES** Chambers, 1880

*Evagora* Clemens, 1860, preocc. (Peron & Lesueur, 1810)

*Eidothea* Chambers, 1873, preocc. (Risso, 1826)

*Eidothoa* Chambers, 1873, missp.

*Eucordylea* Dietz, 1900

*Publicalvaria* Freeman, 1963

\*1800 **citriella** (Chambers, 1880) (McD 7884) T

Range.- IV-VIII (Florida)

Dates.- Mar-Jun

Hosts.- *Lysiloma latisiliqua* (Leguminosae)

1802 **condignella** (Busck, 1929) (McD 7891)

Range.- I (s. U.S.: FL-AZ)

Dates.- (stray?)

Hosts.- *Pinus palustris* (Pinaceae)

1823 **nigra** (Busck, 1903) (McD 7901)

*nigritus* Hodges, 1983, repl. name

Range.- I-III (e. U.S.: DC-FL/KY)

Dates.- Aug-Nov

Hosts.- *Hypericum edisonianum* (Guttiferae)

1824 **obliquistrigella** (Chambers, 1872) (McD 7875)

Range.- I-V (c. U.S.: KY-FL/AR-TX?)

Dates.- Jan-May, Oct-Dec

Hosts.- Unknown

**SINOE** Chambers, 1873

1834 **robiniella** (Fitch, 1859) (McD 7877)

*fuscopalidella* Chambers, 1873

*fuscopallidella* Dyar, [1903], missp.

*robinella* Knudson & Bordelon, 1999, missp.

Range.- I-II (se. U.S.: MD-FL/AR-TX)

Dates.- Aug

Hosts.- *Robinia* sp., *R. pseudoacacia* (Leguminosae)

**EXOTELEIA** Wallengren, 1881

*Paralechia* Busck, 1903

*Heringia* Spuler, 1910, preocc. (Rondani, 1856)

*Heringiola* Strand, 1917, repl. name

1840 **pinifoliella** (Chambers, 1880) (McD 7913)

Pine needleminer

Range.- I-VIII (e. N.Am.: N.S.-FL/MN-TX)

Dates.- Jan-Oct, Dec

Hosts.- *Pinus* sp. (Pinaceae)

**TRYPANISMA** Clemens, 1860

1841 **prudens** Clemens, 1860 (McD 7917/7918)

*quinqueannulella* (Chambers, 1872)

*fagella* (Busck, 1903)

Range.- I-IV (e. U.S.: PA-FL/IL-MS?)

Dates.- Jan-Feb

Hosts.- *Quercus* sp. (Fagaceae)

**BESCIVA** Busck, 1914

\*1841.1 [**n. sp.**] T

Range.- IV-VI (Florida)

Dates.- Jan-Jul, Oct-Dec

Hosts.- *Sabal longipedunculata*, *S. mauritiiformis* (Palmae)

**TAYGETE** Chambers, 1873

1845 **gallaegenitella** (Clemens, 1864) (McD 7922)

*geminella* (Riley, 1871)

Range.- I-IV (e. U.S.: NY-FL/MO-TX?)

Dates.- Feb



Hosts.- *Quercus* sp. (Fagaceae)

**AROGALEA** Walsingham, 1910

1851 **crisifasciella** (Chambers, 1878) (McD 7931)  
*inscripta* (Walsingham, 1882)

Range.- I-IV (e. U.S.: MA-FL/IL-TX)

Dates.- Jan-May

Hosts.- *Quercus* sp., *Q. alba* (Fagaceae)

**TELPHUSA** Chambers, 1872

*Adrasteia* Chambers, 1872

*Adrastia* Kirby, 1874, missp.

1857 **latifasciella** (Chambers, 1875) (McD 7952)

Range.- I-III (e. U.S.: MA-FL/IL-TX)

Dates.- Apr-Jun, Aug

Hosts.- *Quercus* sp. (Fagaceae)

1858 **longifasciella** (Clemens, 1863) (McD 7951)

*curvistrigella* (Chambers, 1872)

*obliquifasciella* (Chambers, 1879)

*lutraula* (Meyrick, 1923)

Range.- I-II (U.S.: NY-FL/OR-TX)

Dates.- Feb-Apr

Hosts.- Unknown

**PSEUDOCHELARIA** Dietz, 1900

1864 **walsinghami** Dietz, 1900 (McD 8021)

Range.- I (e. U.S.: NY-FL/OH-MS?)

Dates.- Jun

Hosts.- *Rhus typhina* (Anacardiaceae)

**PSEUDOTELPHUSA** Janse, 1958

1871 **fuscopunctella** (Clemens, 1863) (McD 7947)

Range.- I-IV (e. U.S.: PA-FL/IL-MS?)

Dates.- May

Hosts.- Unknown

**DELTOPHORA** Janse, 1950

\*1926 **duplicata** Sattler, 1979

Range.- III-VIII (Florida)

Dates.- Jan, May-Jun, Oct-Dec

Hosts.- Unknown

1928 **sella** (Chambers, 1874) (McD 7935, part)

Range.- I-IV (Gulf Coast: FL-TX)

Dates.- Jan, Mar-Jun, Sep-Oct

Hosts.- Unknown

**GNORIMOSCHEMA** Busck, 1900

*Lerupsia* Riedl, 1965

*Neoschema* Povolný, 1967

1986 **gallaesolidaginis** (Riley, 1869) (McD 8153)

Goldenrod gallmaker

Range.- I-IV (e. N.Am.: N.S.-FL/Man.-TX)

Dates.- Jan-Feb, May, Dec

Hosts.- *Solidago* sp., *S. altissima*, *S. canadensis*, *S. gigantea* (Compositae)

1993 **salinaris** Busck, 1911 (McD 8154)

Range.- I-IV (Atlantic Coast: MA-FL)

Dates.- Jan, Apr, Nov-Dec

Hosts.- *Solidago salinaris* (Compositae)

\*1993.1 [**n. sp.**]

Range.- I-IV (Florida)

Dates.- Jan, Dec

Hosts.- Unknown

1998 **saphirinella** (Chambers, 1875) (McD 8187)

Range.- I-IV (e. U.S.: PA-FL/IL-TX)

Dates.- Feb-Jul

Hosts.- Unknown

2005 **terraccottella** Busck, 1900 (McD 8174)

Range.- I-IV (se. U.S.: [GA]-FL/AL)

3.25 Dates.- Feb-May, Nov

Hosts.- *Iva imbricata* (Compositae)

**PTHORIMAEA** Meyrick, 1902

2011 **operculella** (Zeller, 1873) (McD 8214)

*terrella* (Walker, 1864), preocc. (not [Denis & Schiffermüller], 1775)

*solanella* (Boisduval, 1874)

*tabacella* (Ragonot, 1879)

*sedata* (Butler, 1880)

Potato tuberworm; Tobacco leafminer

Range.- I-IV (e. N.Am. [introd.]: Ont.-FL/MN-TX; Mex.-S.Am.; Old World [introd.])

Dates.- Jan-Dec

Hosts.- *Nicotiana tabacum* (Solanaceae)

*Solanum melongena* var. *esculentum*, *S. tuberosum* (Solanaceae)

**SYMMETRISCHEMA** Povolný, 1967

2032 **capsicum** (Bradley & Povolný, 1965) (McD

8213.1) T

3.26

*gudmanella*.- Kimball, 1965, misid. (not Walsingham, 1897)

Pepper flower-bud moth

Range.- II-VI (FL [introd.]; West Indies)

Dates.- May-Jun, Sep

Hosts.- *Capsicum annuum*, *C. frutescens* 'Grossum' group (Solanaceae)

2039 **striatella** (Murtfeldt, 1900) (McD 8211)

Range.- I-VI (U.S.: KY-FL/IL-CA)

Dates.- Mar-Jun, Sep-Oct, Dec

Hosts.- *Solanum nigrum* (Solanaceae)

**KEIFERIA** Busck, 1939

2047 **lycopersicella** (Walsingham, 1897) (McD 8215/

8216) T

3.27

*lenta* (Meyrick, 1927)

*lycopersicella* (Busck, 1928), preocc. (Walsingham, 1897)

Tomato pinworm

Range.- I-VIII (so. U.S. [introd.]: FL-CA; West Indies; Mex.; Hawaii [introd.])

Dates.- Jan, Jun, Aug

Hosts.- *Lycopersicon esculentum* (Solanaceae)

*Solanum melongena* var. *esculentum* (Solanaceae)

**TILDENIA** Povolný, 1967

2049 **glochinella** (Zeller, 1873) (McD 8213) T

*peniculo* (Heinrich, 1946)

Eggplant leafminer

Range.- I-II (se. U.S. [introd.]: SC-FL/MO-TX; Mex.)

Dates.- May

Hosts.- *Solanum melongena* var. *esculentum* (Solanaceae)

2050 **inconspicuella** (Murtfeldt, 1883) (McD 8213, part)

*cinerella* (Murtfeldt, 1881), preocc. (Clerck, 1759)

Range.- I (se. U.S.: AL-FL/MO-TX?)

Dates.- ?

Hosts.- Unknown

**FRUMENTA** Busck, 1939

2052 **nundinella** (Zeller, 1873) (McD 8061)

*beneficentella* (Murtfeldt, 1881)

Range.- I-II (se. U.S.: MD-FL/IL-TX)  
 Dates.- ?  
 Hosts.- *Solanum carolinense* (Solanaceae)

**CHIONODES** Hübner, [1825]

*Chionoda* Hübner, [1826]

*Oxycriptis* Meyrick, 1912

[NOTE: Hodges (1999) has revised this genus and placed species in phylogenetic order, but the new additions for Florida are here added in at appropriate places in the 1983 MONA alphabetical arrangement.]

2064 **bicostomaculella** (Chambers, 1872) (McD 7954)

*quercifoliella* (Chambers, 1872)

Range.- I-IV (e. U.S.: VT-FL/IL-TX)

Dates.- Mar-Jun

Hosts.- *Quercus* sp., *Q. alba*, *Q. macrocarpa*, *Q. rubra*, *Q. velutina* (Fagaceae)

2065.1 **cacula** Hodges, 1999

Range.- I-III (e. U.S.: DE-FL/IL-TX)

Dates.- Feb-Jun

Hosts.- Unknown

2067.1 **ceryx** Hodges, 1999 T

Range.- VIII (Florida; Bahamas)

Dates.- Jan-Jul, Sep-Nov

Hosts.- Unknown

2071 **dentella** (Busck, 1903) (McD 7981)

Range.- I-VIII (Gulf Coast & w. U.S.: FL-TX/NV-CA)

Dates.- Feb-Sep

Hosts.- Unknown

2072 **discoocellella** (Chambers, 1872) (McD 8051) **3.28**  
*violaceofusca* (Zeller, 1873)

Range.- I-VI (e. U.S.: ME-FL/SD-CO-TX)

Dates.- Jan-May, Jul-Dec

Hosts.- *Polygonum* sp., *P. convolvulus*, *P. densiflorum*, *P. pennsylvanicum*, *P. punctatum*, (Polygonaceae)  
*Rumex* sp., *R. crispus* (Polygonaceae)

2072.1 **donatella** (Walker, 1864) (McD --) T

Range.- VIII (FL; West Indies)

Dates.- Jan-Apr, Nov-Dec

Hosts.- Unknown

\*2072.2 **drapeta** Hodges, 1999 T

Range.- VIII (Florida)

Dates.- Jan, Mar, Jun-Jul, Sep, Nov

Hosts.- Unknown

2072.3 **emptor** Hodges, 1999

Range.- I-VI (se. U.S.: SC-FL/AR-TX)

Dates.- Mar-Aug

Hosts.- Unknown

\*2072.4 **esor** Hodges, 1999

Range.- VIII (Florida)

Dates.- Jan-Jul, Oct

Hosts.- *Borreria arborescens* (Compositae)

2077 **formosella** (Murtfeldt, 1881) (McD 8089)

*vernella* (Murtfeldt, 1883)

Range.- I-IV (e. U.S.: NY-FL/IL-TX?)

Dates.- Apr-May

Hosts.- *Quercus laurifolia* (Fagaceae)

2077.1 **franclemonti** Hodges, 1999

Range.- I-II (e. U.S.: ME-FL/WI-MI)

Dates.- May-Nov

Hosts.- *Helianthemum nashii* (Compositae)

*Hudsonia tomentosa* (Cistaceae)

2079 **fuscomaculella** (Chambers, 1872) (McD 8088)

*maculimarginella*.- Kimball, 1965, misid.

(not Chambers, 1874)

*caryaevorella* (Packard, 1886)

Range.- I-IV (e. N.Am. (Que.-FL/WI-TX)

Dates.- Apr-May

Hosts.- *Carya* sp. (Juglandaceae)

*Fagus grandifolia* (Fagaceae)

*Quercus* sp., *Q. macrocarpa*, *Q. rubra* (Fagaceae)

?*Vaccinium* sp. (Ericaceae)

2084.1 **imber** Hodges, 1999

Range.- I-III (N.Am.: ON-FL/ID-AZ)

Dates.- Mar-Jul

Hosts.- *Myrica asplenifolia* (Myricaceae)

\*2087.1 **latro** Hodges, 1999

Range.- II-III (Florida)

Dates.- Sep-Nov

Hosts.- Unknown

2093 **mediofuscella** (Clemens, 1863) (McD 8020)

*vagella* (Walker, 1864)

*fuscoochrella* (Chambers, 1872)

*liturosella* (Zeller, 1873)

*rhedaria* (Meyrick, 1923)

Range.- I-III (N.Am.: NS-FL/BC-AZ)

Dates.- Jan-Mar, May, Oct

Hosts.- *Ambrosia trifida* [seeds] (Compositae)

2104 **pereyra** Clarke, 1947 (McD 7985.1)

Range.- I-IV (e. U.S.: MA-FL/MI-TX)

Dates.- Apr-May, Sep?

Hosts.- *Quercus* sp. (Fagaceae)

2109.1 **powelli** Hodges, 1999

Range.- I-II (s. U.S.: FL-AR/OK-CA)

Dates.- May-Sep

Hosts.- *Quercus* sp., *Q. garryana*, *Q. kelloggii*, *Q. lobata* (Fagaceae)

2111.1 **rabula** Hodges, 1999

Range.- I-III (e. U.S.: NJ-FL/OH-LA)

Dates.- Feb-Sep

Hosts.- *Typha angustifolia* (Typhaceae)

2111.2 **rectifex** Hodges, 1999

Range.- I-III (se. U.S.P NC-FL/GA-[AL])

Dates.- Jan, May, Oct-Dec

Hosts.- Unknown

2115.1 **sevir** Hodges, 1999

Range.- I (e. U.S.: MA-FL/KY-TX)

Dates.- Apr-May

Hosts.- *Quercus* sp. (Fagaceae)

**FILATIMA** Busck, 1939

2129 **albilorella** (Zeller, 1873) (McD 7979)

*trifasciella* (Chambers, 1875)

Range.- I-III (e. U.S.: KY-FL/AR-TX)

Dates.- Mar-Jul

Hosts.- Unknown

**AROGA** Busck, 1914

\*2183 **alleriella** Busck, 1940 (McD 8139.1)

Range.- III (Florida)

Dates.- Jan

Hosts.- *Polygonum maritimum* (Polygonaceae)

2187 **compositella** (Walker, 1864) (McD 7976/8129) **9.38**

*coloradensis* (Busck, 1903)

*speculifera* (Meyrick, 1931)

Range.- I-IV (e. U.S.: NJ-FL/CO-TX)

Dates.- Jan-Dec

Hosts.- Unknown

2198 **trialbamaculella** (Chambers, 1875) (McD 7965) **3.29**

Range.- I-VIII (e. U.S.: ME-FL/IL-TX?)

Dates.- Jan-Sep, Nov-Dec

Hosts.- *Comptonia* sp. (Myricaceae)

*Epigaea* sp. (Ericaceae)  
*Myrtus* sp. (Myrtaceae)  
*Quercus ilicifolia*, *Q. laevis* (Fagaceae)  
*Robinia* sp. (Leguminosae)  
*Vaccinium ashei* (Ericaceae)

**FASCISTA** Busck, 1939

2203 **bimaculella** (Chambers, 1872) (McD 7975)  
*ternariella* (Zeller, 1873)  
*sylvaecolella* (Chambers, 1878)

Range.- I-III (e. U.S.: NJ-FL/IL-TX)

Dates.- Feb-Apr, Jun

Hosts.- Unknown

2204 **cercerisella** (Chambers, 1872) (McD 7971)  
*olympiadella* (Zeller, 1873)  
*cercerella* (Meyrick, 1925), missp.  
 Redbud leaf-folder

Range.- I-III (e. U.S.: PA-FL/IL-TX)

Dates.- Jan, Apr-May, Aug, Oct

Hosts.- *Cercis* sp., *C. canadensis* (Leguminosae)

2205 **quinella** (Zeller, 1873) (McD 7972)

Range.- I-IV (se. U.S.: GA-FL/AR-TX)

Dates.- Feb-Oct

Hosts.- Unknown

**STEGASTA** Meyrick, 1904

2209 **bosqueella** (Chambers, 1875) (McD 8148)  
*basqueella* (Chambers, 1875), missp.  
*costipunctella* (Möschler, 1890)  
 Red-necked peanutworm

Range.- I-VIII (e. U.S.: MD-FL/IL-TX; Mex.)

Dates.- Jan-Dec

Hosts.- *Arachis hypogaea* (Leguminosae)

*Cassia* sp., *C. fasciculata* (Leguminosae)

2209.1 **capitella** (Fabricius, 1794) (McD 8148.1) T  
*capitatus* (Fabricius, 1798), repl. name  
*robustella* (Walker, 1864)  
*rivulella* (Möschler, 1890)

Range.- I-VIII (FL; West Indies)

Dates.- Feb-Aug, Oct, Dec

Hosts.- *Sida spinosa* (Malvaceae)

**POLYHYMNO** Chambers, 1874

*Copocercia* Zeller, 1877  
*Oegoconiodes* Matsumura, 1931  
 2211 **luteostrigella** Chambers, 1874 (McD 8239)  
*fuscostrigella* Chambers, 1876

Range.- I-VIII (e. U.S.: CT-FL/SD-TX)

Dates.- Feb-Oct

Hosts.- *Cassia fasciculata* (Leguminosae)

**YMELDIA** Hodges, 1965

[now in Oecophoridae (Hodges, 1986)]

2216 **janae** Hodges, 1965 T

Range.- I-VIII (se. U.S.: [GA]-FL/AL-TX)

Dates.- Jan, Mar-Jun

Hosts.- *Lysiloma bahamensis* (Leguminosae)

**PEXICOPIINAE****ANACAMPSINI****SYNCOPACMA** Meyrick, 1925

*Harpagus* Stephens, 1934, preocc. (Vigors, 1824)

*Stomopteryx*.- auct. (not Heinemann, 1870)

\*2219 **crotalariella** (Busck, 1900) (McD 8250)

Range.- IV (Florida)

Dates.- Feb-Mar

Hosts.- *Crotalaria pumila* (Leguminosae)

**UNTOMIA** Busck, 1906

2223 **albistrigella** (Chambers, 1872) (McD 8254)

Range.- I-III (e. U.S.: PA-FL/IL-TX)

Dates.- Mar

Hosts.- Unknown

2224.1 [n. sp.]

Range.- II-VI (se. U.S.: [GA?]-FL)

Dates.- Jan, Mar-May, Jul-Oct

Hosts.- Unknown

**BATTARISTIS** Meyrick, 1914

*Duvita* Busck, 1916

2227 **nigratomella** (Clemens, 1863) (McD 8258)

*apicilineella* (Clemens, 1863)

*apicistrigella* (Chambers, 1872)

Range.- I-II (e. U.S.: NH-FL/CO-TX)

Dates.- Mar-Apr

Hosts.- Unknown

2229 **vittella** (Busck, 1916) (McD 8255)

Range.- I-VII (Atlantic/Gulf Coasts: NY-FL-TX)

Dates.- Feb-May, Sep-Oct

Hosts.- *Pinus* sp., *P. nigra*, *P. sylvestris* (Pinaceae)

3.32

**ANACAMPSIS** Curtis, 1827

*Tachyptilia* Heinemann, 1870

*Agriastis* Meyrick, 1914

2230 **agrimoniella** (Clemens, 1860) (McD 8275)

*aduncella* (Zeller, 1868)

*aderusella*.- auct., missp.

Range.- I-II (e. U.S.: NY-FL/IL-TX?)

Dates.- Jun?, Sep-Oct

Hosts.- *Agrimonia* sp. (Rosaceae)

\*2231 **argyrothamniella** Busck, 1900 (McD 8271)

Range.- II-IV (Florida)

Dates.- Apr-May

Hosts.- *Argythamnia blodgettii* (Euphorbiaceae)

*Croton punctatus* (Euphorbiaceae)

*Ostrya virginiana* (Betulaceae)

2233 **conclusella** (Walker, 1864) (McD 8279)

*grissefasciella* (Chambers, 1875)

Range.- I-VIII (e. N.Am.: Ont.-FL/IL-MS?)

Dates.- Jan-Jun, Sep-Oct

Hosts.- Unknown

2234 **coverdalella** Kearfott, 1903 (McD 8260)

Range.- I-VI (e. U.S.: NJ-FL/IL-TX)

Dates.- Feb, Apr-Jun, Sep

Hosts.- Unknown

2236 **fullonella** (Zeller, 1873) (McD 8263)

*rufusella* (Chambers, 1873)

*subruberella* (Chambers, 1874)

*rubescens* (Walsingham, 1881)

Range.- I-IV (e. U.S.: GA?-FL/TX)

Dates.- Apr-Jul, Oct-Nov

Hosts.- Unknown

\*2240 **lagunculariella** Busck, 1900 (McD 8264) T

Range.- IV-VIII (Florida)

Dates.- Apr-May, Jul, Sep, Nov

Hosts.- *Laguncularia racemosa* (Combretaceae)

2241 **levipedella** (Clemens, 1863) (McD 8262)

Range.- I-II (e. U.S.: PA-FL/IL-TX)

Dates.- Jan-May, Jul-Aug

Hosts.- Unknown

9.40

2242 **lupinella** Busck, 1901 (McD 8265)  
 Range.- I (e. U.S.: NY-FL/IL-TX)  
 Dates.- May  
 Hosts.- *Baptisia leucantha* (Leguminosae)  
*Lupinus* sp. (Leguminosae)

**STROBISIA** Clemens, 1860  
*Systasiota* Walsingham, 1910  
 2253 **iridipennella** Clemens, 1860 (McD 8281)  
*aphroditella* Chambers, 1872  
*irridipennella* Forbes, 1923, missp.  
 Range.- I-II (e. U.S.: NY-FL/IL-TX?)  
 Dates.- Jun-Aug  
 Hosts.- Unknown

**HOLOPHYSIS** Walsingham, 1910  
*Hoplophysis* McDunnough, 1939, missp.  
 2255 **emblemella** (Clemens, 1860) (McD 8283)  
 Range.- I-II (e. U.S.: NY-FL/IL-TX)  
 Dates.- Mar-May, Aug  
 Hosts.- ?*Aesculus* sp. (Hippocastanaceae)

### CHELARIINI

**PROSTOMEUS** Busck, 1903  
 \*2256 **brunneus** Busck, 1903 (McD 8286) T  
*Guava* caterpillar  
 Range.- III-IV (Florida)  
 Dates.- Mar-Jun  
 Hosts.- *Psidium guajava* (Myrtaceae)  
 2256.1 [n. sp.]  
 Range.- I-VIII (se. U.S.: [GA?]-FL/[AL?])  
 Dates.- Jan, May-Jun, Sep  
 Hosts.- Unknown

**ANARSIA** Zeller, 1839  
*Ananarsia* Amsel, 1959  
 2257 **lineatella** Zeller, 1839 (McD 8288)  
*pruniella* Clemens, 1860  
 Peach twig borer  
 Range.- I-VI (N.Am. [introd.]: Ont.-FL/B.C.-CA; Mex.; Europe-China)  
 Dates.- Jul, Oct  
 Hosts.- *Elaeagnus angustifolia* (Elaeagnaceae)  
*Prunus domestica*, *P. dulcis*, *P. persica* (Rosaceae)

**SITOTROGA** Heinemann, 1870  
*Nesolechia* Meyrick, 1921  
*Syngenomictis* Meyrick, 1927  
*Sitotoga* Kimball, 1965, missp.  
 2260 **cerealella** (Olivier, 1789) (McD 7801)  
*hordei* (Kirby, 1815)  
*arctella* (Walker, 1864)  
*melanarthra* (Lower, 1900)  
*palearis* (Meyrick, 1913)  
 Angoumois grain moth  
 Range.- I-III (N.Am. [introd.]: Ont.-FL/OR-CA; West Indies; Mex.-Argentina; Old World)  
 Dates.- May  
 Hosts.- *Avena* sp. (Gramineae)  
*Secale cereale* (Gramineae)  
*Triticum* sp. (Gramineae)  
*Zea mays* (Gramineae)  
 grass  
 hay

**PECTINOPHORA** Busck, 1917  
 2261 **gossypiella** (Saunders, 1844) (McD 8147.1)  
 Pink bollworm  
 Range.- I-VIII (se. U.S. [introd.]: SC-FL/AR-TX; West Indies.; Mex.-S.Am.; Old World)  
 Dates.- Mar, Jun, Oct  
 Hosts.- *Gossypium* sp. (Malvaceae)

### DICHOMERIDINAE

[AUTOSTICHA Meyrick, 1886  
*Brachmia*.- auct. (not Hübner, [1825])]  
 [2268.1 kyotensis: see 1010.1, Autostichinae, p. 245]

**HELCYSTOGRAMMA** Zeller, 1877  
*Ceratophora* Heinemann, 1870, preocc.  
 (Gray, [1835])  
*Teuchophanes* Meyrick, 1914  
*Psamathoscopa* Meyrick, 1937  
 2265 **chambersella** (Murtfeldt, 1874) (McD 8335)  
*subalbusella* (Chambers, 1874)  
*parvipulvella* (Chambers, 1874)  
*inaequipulvella* (Chambers, 1875)  
*subalbella* (Meyrick, 1925), emend.  
 Range.- I-IV (U.S.: PA-FL/IL-CA)  
 Dates.- Feb, Apr-Sep, Dec  
 Hosts.- *Ambrosia* sp., *A. artemisiifolia*, *A. confertifolia*, *A. psilostachya* (Compositae)  
 2265.1 **convolvuli** (Walsingham, 1908) (McD 8328.1) T  
*crysilychna* (Meyrick, 1914)  
*effera* (Meyrick, 1918)  
*emigrans* (Meyrick, 1921)  
*melissia*.- (Kimball, 1965) (not Walsingham, 1911)

Sweetpotato webworm  
 Range.- IV-VIII (FL [introd.]; West Indies; Canary Is.; India)  
 Dates.- Jan, Mar-Jun, Dec  
 Hosts.- *Ipomoea* sp., *I. batatas* (Convolvulaceae)  
 2269 **melanocarpum** (Meyrick, 1929) (McD 8313/8340)  
*trimaculella* (Chambers, 1874)  
 Range.- I (Atlantic/Gulf Coasts: N.S.-FL-TX; Mex.)  
 Dates.- Mar?, Oct  
 Hosts.- Unknown  
 2270 **melantherella** (Busck, 1900) (McD 8327)  
 Range.- I-IV (se. U.S.: NC-FL/AR-TX; Mex.)  
 Dates.- Feb-Apr, Jun, Aug, Nov  
 Hosts.- *Arachis hypogaea* (Leguminosae)  
*Calyptocarpus vialis* (Compositae)  
*Cynara scolymus* (Compositae)  
*Melanthera aspera*, *M. nivea* (Compositae)  
*Xanthium pensylvanicum*, *X. strumarium* (Compositae)

**BRACHYACMA** Meyrick, 1886  
*Lathontogenus* Walsingham, 1897  
*Paraspistes* Meyrick, 1905  
*Lipatia* Busck, 1910  
*Chretienia* Spuler, 1910  
*Brachiacma* Common, 1970, missp.  
 2272 **palpiger** (Walsingham, 1891) (McD 8289.1)  
*adustipennis* (Walsingham, 1897)  
*ioloncha* (Meyrick, 1905)  
*crotalariella* (Busck, 1910)  
*epichorda* Turner, 1919  
 Soybean webworm

Range.— I-VIII (Gulf Coast [introd.]: FL-TX; West Indies; Old World)

Dates.— Jan-Dec

Hosts.— *Acasia farnesiana* (Leguminosae)

*Bauhinia* sp. (Leguminosae)

*Caesalpinia* sp. (Leguminosae)

*Cajanus* sp. (Leguminosae)

*Cassia* sp. (Leguminosae)

?*Coffea* sp. (Rubiaceae)

*Glycine* sp. (Leguminosae)

*Leucaena* sp. (Leguminosae)

*Parkinsonia* sp. (Leguminosae)

*Tephrosia candida*, *T. purpurea*, *T. toxicaria*, *T. villosa* (Leguminosae)

#### DICHOMERIS Hübner, 1818

*Oxybelia* Hübner, [1825]

*Rhinosia* Treitschke, 1833

*Anorthosia* Clemens, 1860

*Trichotaphe* Clemens, 1860

*Rhobonda* Walker, 1864, preocc. (Walker, 1863)

*Vazugada* Walker, 1864

*Gaesa* Walker, 1864

*Tocmia* Walker, 1864

*Carna* Walker, 1864, preocc. (Gistel, 1848)

*Noeza* Walker, [1866], preocc. (Meigen, 1800)

*Acanthophila* Heinemann, 1870

*Sagaritis* Chambers, 1872, preocc. (Billberg, 1820)

*Begoe* Chambers, 1872

*Epicorthylis* Zeller, 1873

*Malacotricha* Zeller, 1873

*Atasthalistis* Meyrick, 1886

*Tricotaphe* Riley, 1891, missp.

*Zalithia* Meyrick, 1894

*Pappophorus* Walsingham, 1897

*Malacotriche* Busck, 1903, missp.

*Malachotriche* Busck, 1903, missp

*Arotia* Meyrick, 1904

*Croesopola* Meyrick, 1904

*Hypelictis* Meyrick, 1905

*Paristhmia* Meyrick, 1909

*Hylograptis* Meyrick, 1910

*Schematistis* Meyrick, 1911

*Paranoea* Walsingham, 1911

*Plocamosaris* Meyrick, 1912

*Machlotricha* Meyrick, 1912

*Holaxyra* Meyrick, 1913

*Carbatina* Meyrick, 1913

*Zomeutis* Meyrick, 1913

*Ilingiotis* Meyrick, 1914

*Pachysaris* Meyrick, 1914

*Deimnestra* Meyrick, 1918

*Daemonarcha* Meyrick, 1918

*Macrozancla* Turner, 1919

*Euryzancla* Turner, 1919

*Rhadinophylla* Turner, 1919

*Eurysara* Turner, 1919

*Iocharis* Meyrick, 1921

*Eporgastis* Meyrick, 1921

*Aphnogenes* Meyrick, 1921

*Uliaria* Dumont, 1921

*Taphrosaris* Meyrick, 1922

*Prophoraula* Meyrick, 1922

*Acribologa* Meyrick, 1923

*Ageliarchis* Meyrick, 1923

*Myrophila* Meyrick, 1923

*Brochometis* Meyrick, 1923

*Neochrista* Meyrick, 1923

*Semiomeris* Meyrick, 1923

*Mythographa* Meyrick, 1923

*Cymotricha* Meyrick, 1923

*Sathrogenes* Meyrick, 1923

*Cotyloscia* Meyrick, 1923

*Sirogenes* Meyrick, 1923

*Musurga* Meyrick, 1923

*Thelyasceta* Meyrick, 1923

*Oxysactis* Meyrick, 1923

*Rhynchotona* Meyrick, 1923

*Gomphocrates* Meyrick, 1925, preocc. (Dumont, 1921)

*Catoptristis* Meyrick, 1925

*Cymatoplex* Meyrick, 1925, preocc. (Turner, 1910)

*Catelaphris* Meyrick, 1925

*Cerycangela* Meyrick, 1925

*Epicharta* Meyrick, 1926

*Orsodytis* Meyrick, 1926

*Prasodryas* Meyrick, 1926

*Xenorrhhythma* Meyrick, 1926

*Thyrsomnestis* Meyrick, 1929

*Desmophylax* Meyrick, 1935

*Ereboscaea* Meyrick, 1937

*Anorthodisca* Gaede, 1937, missp.

*Chthonogenes* Meyrick, 1938

*Cymatoplicella* Fletcher, 1940, repl. name

*Neopachnistis* Janse, 1954

*Leuopalpa* Janse, 1960

*Picroptera* Janse, 1960

*Parabrachmia* Janse, 1960

*Deltolophos* Janse, 1960

*Mimomeris* Povolný, 1978

2274 **bipunctella** (Walsingham, 1882) (McD 8306)

Range.— I-IV (Atlantic/Gulf Coasts: Prince Edward Id.-FL/AL-TX)

Dates.— Feb-Jul, Sep

Hosts.— *Comptonia peregrina* var. *asplenifolia* (Myricaceae)

*Myrica* sp., *M. gale*, *M. pensylvanica* (Myricaceae)

\*2275 **condaliavorella** (Busck, 1900) (McD 8326) T

Range.— IV-VIII (Florida)

Dates.— Jan-Dec

Hosts.— *Krugiodendron ferreum* (Rhamnaceae)

2278 **glenni** Clarke, 1947 (McD 8308.1)

Range.— I-IV (c. U.S.: MI-FL/IL-TX)

Dates.— Mar-May, Aug-Oct

Hosts.— Unknown

2281 **ligulella** Hübner, 1818 (McD 8296)

*contubernaella* (Fitch, 1853)

f. *pometella* (Harris, 1853)

*malifoliella* (Fitch, 1854)

*pauciguttella* (Clemens, 1863)

*flavivittella* (Clemens, 1864)

*quercipominella* (Chambers, 1872)

*reedella* (Chambers, 1872)

*runderella* (Chambers, 1878) missp.

*contubernatella* auct, missp.

*quercipomonella* auct., missp.

Palmerworm

- Range.- I-V (e. N.Am.: Ont.-FL/WI-TX)  
 Dates.- Jan-May, Jul, Oct-Nov  
 Hosts.- *Acer* sp., *A. saccharinum* (Aceraceae)  
*Betula* sp., *B. papyrifera* (Betulaceae)  
*Carya* sp. (Juglandaceae)  
*Castanea dentata* (Fagaceae)  
*Corylus* sp. (Betulaceae)  
*Cydonia oblonga* (Rosaceae)  
*Juglans* sp., *J. nigra* (Juglandaceae)  
*Lactuca sativa* (Compositae)  
*Oxydendrum arboreum* (Ericaceae)  
*Populus grandidentata*, *P. tremeloides* (Betulaceae)  
*Quercus* sp., *Q. alba*, *Q. macrocarpa*, *Q. rubra*, *Q. velutina* (Fagaceae)  
*Rhododendron* sp. (Ericaceae)  
*Tilia* sp., *T. americana* (Tiliaceae)  
*Vaccinium corymbosum* (Ericaceae)
- 2282 **marginella** (Fabricius, 1781) (McD 8299)  
*fimbriella* (Thunberg, 1788)  
 Juniper webworm
- Range.- I-III (N.Am. [introd.]: N.S.-FL/MI-MO; B.C.-OR; Europe)  
 Dates.- Jan  
 Hosts.- *Juniperus* sp., *J. chinensis*, *J. communis hibernica*, *J. horizontalis*, *J. recurva*, *J. virginiana* (Cupressaceae)
- 2283 **punctidiscella** (Clemens, 1863) (McD 8301/ 8304)  
*straminiella* (Chambers, 1872)  
*suffusella* (Chambers, 1874)
- Range.- I-VI (e. N.Am.: Que.-FL/NE-TX)  
 Dates.- Mar-Apr, Jun-Jul  
 Hosts.- Unknown
- \*2283.2 **sylphe** Hodges, 1986  
 Range.- II-III (Florida)  
 Dates.- Mar-Jun  
 Hosts.- Unknown
- \*2283.3 **ardelia** Hodges, 1986  
 Range.- III-VI (Florida)  
 Dates.- Feb-Mar, May-Jun, Nov  
 Hosts.- Unknown
- 2284 **acuminata** (Staudinger, 1876) (McD 8293)  
*ianthes* (Meyrick, 1887)  
*rustica* (Walsingham, 1892)  
*lotella* (Constant, 1893)  
*ammoxanthus* (Meyrick, 1904)  
*ochrophanes* (Meyrick, 1907)
- Range.- I-VIII (FL; West Indies; Europe; Reunion; Asian tropics; Australia)  
 Dates.- Jan-Dec  
 Hosts.- *Cajanus cajan* (Leguminosae)  
*Cyamopsis* sp. (Leguminosae)  
*Desmodium gyroides* (Leguminosae)  
*Indigofera hirsuta* (Leguminosae)  
*Medicago* sp., *M. sativa* (Leguminosae)  
*Sesbania* sp., *S. sericea* (Leguminosae)  
*Tephrosia* sp. (Leguminosae)
- 2284.1 **nenia** Hodges, 1986  
 Range.- I-VI (se. U.S.: GA-FL/AR-TX)  
 Dates.- Mar-Apr, Jul, Sep-Oct, Dec  
 Hosts.- *Indigofera lindheimeri* (Leguminosae)
- 2286 **vacciniella** Busck, 1915 (McD 8290)  
*nephanthes* (Meyrick, 1929)
- Range.- I-III (e. N.Am.: N.S.-FL/IL-TX)  
 Dates.- Feb-Jul, Oct  
 Hosts.- *Vaccinium* sp. (Ericaceae)
- 2287 **ventrella** (Fitch, 1854) (McD 8297/8298/8300/8303, part)  
*unicipunctella* (Clemens, 1860)  
*?caryaefoliella* (Chambers, 1872)  
*querciella* (Chambers, 1872)  
*roseocostella* (Walsingham, 1882)  
*trinotella* (Coquillett, 1883)  
*quercicella* McDunnough, 1939, missp.
- Range.- I-III (e. N.Am.: Que.-FL/Man.-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Betula* sp. (Betulaceae)  
*Carya* sp. (Juglandaceae)  
*Castanea dentata* (Fagaceae)  
*Corylus* sp. (Betulaceae)  
*Juglans* sp. (Juglandaceae)  
*Quercus* sp. (Fagaceae)
- 2288 **punctipennella** (Clemens, 1860) (McD 8305)  
*gracilella* (Chambers, 1874)
- Range.- I-VI (e. N.Am.: N.S.-FL/MI-TX)  
 Dates.- Jan-Dec  
 Hosts.- Unknown
- 2289 **ochripalpella** (Zeller, 1873) (McD 8284)  
*alacella* (Clemens, 1862), preocc.  
*goodellella* (Chambers, 1881)
- Range.- I (e. N.Am.: Que.-FL/AR-TX)  
 Dates.- Jun  
 Hosts.- *Aster* sp. (Compositae)  
*Solidago* sp. (Compositae)
- \*2289.1 **achne** Hodges, 1986  
 Range.- II-IV (Florida)  
 Dates.- May-Jul  
 Hosts.- Unknown
- 2292 **citrifoliella** (Chambers, 1880) (McD 8294)  
 Orange webworm
- Range.- I-VIII (c. U.S.: MI-FL/WI-TX; [Mex.?.])  
 Dates.- Jan-Dec  
 Hosts.- *Citrus* sp., *C. sinensis* (Rutaceae)  
*Ptelea trifoliata* (Rutaceae)  
*Zanthoxylum* sp., *Z. americanum* (Rutaceae)
- 2293 **costarufella** (Chambers, 1874) (McD 8324)  
*costirufella* (Meyrick, 1925), emend.
- Range.- I-II (c. N.Am.: IL-FL/Man.-NM)  
 Dates.- Mar, Jul, Oct  
 Hosts.- *Rudbeckia* sp. (Compositae)
- 2295 **flavocostella** (Clemens, 1860) (McD 8319)  
 Range.- I-IV (e. N.Am.: Que.-FL/Man.-TX)  
 Dates.- Apr-Aug  
 Hosts.- *Aster* sp. (Compositae)  
*Solidago* sp. (Compositae)
- 2295.1 **fistuca** Hodges, 1986  
 Range.- I-IV (se. U.S.: SC-FL)  
 Dates.- Mar-Jul  
 Hosts.- Unknown
- 2297 **inserrata** (Walsingham, 1882) (McD 8318)  
 Range.- I-IV (e. N.Am.: Ont.-FL/NE-TX)  
 Dates.- Apr-Aug  
 Hosts.- *Solidago* sp. (Compositae)
- 2297.1 **pelta** Hodges, 1986  
 Range.- II-VI (se. U.S.: SC-FL)  
 Dates.- Jan-May, Oct, Dec  
 Hosts.- Unknown
- 2297.2 **bolize** Hodges, 1986  
 Range.- I-III (e. U.S.: MA-FL/NE-TX)  
 Dates.- Apr-May, Jul, Oct  
 Hosts.- *Brassica* sp. (Cruciferae)
- 2297.3 **legnotoa** Hodges, 1986

- Range.— II-IV (c. U.S.: FL-CO)  
 Dates.— May, Jul-Aug  
 Hosts.— Unknown  
 2297.4 **illusio** Hodges, 1986  
 Range.— I-II (se. U.S.: [GA]-FL/AL-MS)  
 Dates.— May-Jun  
 Hosts.— Unknown  
 2297.5 **mimesis** Hodges, 1986  
 Range.— I-III (Gulf Coast: [GA]-FL-TX)  
 Dates.— Apr, Jun-Jul, Sep-Oct  
 Hosts.— Unknown  
 2298 **juncidella** (Clemens, 1860) (McD 8330)  
     *pallipalpis* (Walker, 1864)  
     *dubitella* (Chambers, 1872)  
 Range.— I-III (e. N.Am.: N.S.-FL/NE-TX)  
 Dates.— Apr-May, Sep-Oct  
 Hosts.— *Ambrosia artemisiifolia* (Compositae)  
     *Aralia spinosa* (Araliaceae)  
     *Artemisia trifida* (Compositae)  
     *Aster* sp. (Compositae)  
     *Helianthus tuberosus* (Compositae)  
 2299.2 **euprepes** Hodges, 1986  
 Range.— I (se. U.S.: KY-FL/AL?)  
 Dates.— May, Oct  
 Hosts.— Unknown  
 2301 **serrativittella** (Zeller, 1873) (McD 8315)  
     *plutella* (Chambers, 1874)  
     *serrativittella* McDunnough, 1939, missp.  
 Range.— I-VI (c. U.S.: IL-FL/UT-NM; Mex.)  
 Dates.— Jan-Sep, Dec  
 Hosts.— *Ambrosia* sp. (Compositae)  
 2301.1 **xanthoa** Hodges, 1986  
 Range.— I-VI (e. N.Am.: MS-FL/Man.-TX?)  
 Dates.— Feb-Apr, Jun, Aug-Sep  
 Hosts.— Unknown  
 2301.2 **isa** Hodges, 1986  
 Range.— I-II (e. N.Am.: Ont.-FL/OK-TX)  
 Dates.— Aug-Sep  
 Hosts.— Unknown  
 2301.3 **simulata** Hodges, 1986  
 Range.— I-III (se. U.S.: FL-TX)  
 Dates.— Mar  
 Hosts.— Unknown  
 2302 **setosella** (Clemens, 1860) (McD 8320/8322)  
     *costolutella* (Chambers, 1872)  
     *eupatoriella* (Chambers, 1872)  
     *dolabella* (Zeller, 1873)  
 Range.— I-VIII (e. N.Am.: NY-FL/Man.-TX; Mex.)  
 Dates.— Mar-Nov  
 Hosts.— *Eupatorium* sp. (Compositae)  
     *Pluchea* sp. (Compositae)  
     *Verbesina virginica* (Compositae)  
     *Vernonia* sp. (Compositae)  
 2302.1 **vindex** Hodges, 1986  
 Range.— I-II (e. U.S.: MI-FL//NE-TX)  
 Dates.— Apr  
 Hosts.— Unknown  
 2302.4 **aglaia** Hodges, 1986  
 Range.— I-IV (se. U.S.: NC-FL//LA-TX)  
 Dates.— Jan-Dec  
 Hosts.— *Eupatorium capillifolium* (Compositae)  
 2305 **agonia** Hodges, 1986 (McD 8328)  
     *trinotella* (Busck, 1906), preocc. (Coquillett, 1883)  
 Range.— I-IV (e. N.Am.: Ont.-FL/IL-TX)  
 Dates.— Jan-Feb, Apr

- Hosts.— *Aster* sp. (Compositae)  
     *Oenothera* sp. (Onagraceae)  
     *Solidago* sp. (Compositae)  
 2305.2 **crepida** Hodges, 1986  
 Range.— I-VI (se. U.S.: SC-FL/LA-TX)  
 Dates.— Jan-Apr, Aug  
 Hosts.— Unknown  
 2310 **inversella** (Zeller, 1873) (McD 8310) **3.34**  
 Range.— I-V (e. U.S.: CT-FL/IL-TX)  
 Dates.— Jan-Nov  
 Hosts.— *Carya* sp.? (Juglandaceae)  
 2310.1 **kimballi** Hodges, 1986  
 Range.— I-VI (se. U.S.: VA-FL/LA-TX)  
 Dates.— Mar-May, Aug-Sep  
 Hosts.— Unknown

## COPROMORPHOIDEA

### ALUCITIDAE

- ALUCITA** Linnaeus, 1758  
     *Orneodes* Latreille, 1796  
     *Euchiradia* Hübner, [1825]  
     *Alucitina* Heydenreich, 1851  
 2313 **montana** Barnes & Lindsey, 1921 (McD 6591, part)  
     *hexadactyla*. – Auct. (not Linnaeus, 1758)  
     *montana* Cockerell, 1889, nom. nud.  
 Range.— I (e. N.Am.: Ont.-FL [stray?]/Man.-TX)  
 Dates.— Mar-Jul  
 Hosts.— *Centaurea* sp. [flower] (Compositae)  
     *Knautia* sp. [flower] (Dipsacaceae)  
     *Symphoricarpos* sp. (Caprifoliaceae)  
 \*2313.1 [**n. sp.**]  
 Range.— IV-VI (Florida)  
 Dates.— Apr-Jun  
 Hosts.— Unknown

## CARPOSINIDAE

- CARPOSINA** Herrich-Schäffer, 1855  
 2314 **ottawana** Kearfott, 1907 (McD 7629.1)  
     *niponensis*. – auct., misid. (not Walsingham, 1900)  
     *nicholsana* Forbes, 1923  
 Range.— I (e. N.Am.: Que.-FL/Man.-TX)  
 Dates.— Jul  
 Hosts.— *Cornus paniculata* [fruit] (Cornaceae)  
     *Ribes* sp. [fruit] (Saxifragaceae)  
 2315 **fernaldana** Busck, 1907 (McD 7627)  
     Currant fruitworm  
 Range.— I (e. N.Am.: Ont.-FL/WI-AR?)  
 Dates.— Sep-Oct  
 Hosts.— *Crataegus* sp. [fruit] (Rosaceae)  
     *Ribes* sp. [fruit] (Saxifragaceae)  
 2317 **biloba** Davis, 1969 (McD 7629.2)  
 Range.— I (Gulf Coast: FL-TX)  
 Dates.— Jul, Sep  
 Hosts.— Unknown

## EPERMENIIDAE

### OCHROMOLOPINAE

- PAROCHROMOLOPIS** Gaedike, 1977

\*2335 **floridana** Gaedike, 1977  
 Range.- II-III (Florida)  
 Dates.- May-Jun, Nov  
 Hosts.- *Ximenia americana* (Olacaceae)

## YPONOMEUTOIDEA

### GLYPHIPTERIGIDAE

#### GLYPHIPTERIGINAE

**ABRENTHIA** Busck, 1915  
*Machlotica*.- auct. (not Meyrick, 1909)  
 2336 **cuprea** Busck, 1915 (McD 8647)  
 Range.- I-III (e. U.S.: NY-FL/IL-TX?)  
 Dates.- Mar, Aug  
 Hosts.- Unknown

**NEOMACHLOTICA** Heppner, 1981  
 \*2336.1 **spiraea** Heppner, 1981 (McD 8642.1) T  
 Range.- III-VIII (Florida)  
 Dates.- Jan-Mar, May  
 Hosts.- *Boehmeria cylindrica* (Urticaceae)

**DRYMOANA** Heppner, 1985  
 2336.2 **blanchardi** Heppner, 1985  
 Range.- I-III (se. U.S.: NC-FL/AL-TX)  
 Dates.- Jun, Aug-Oct  
 Hosts.- Unknown

**GLYPHIPTERIX** Hübner, [1825]  
*Heribeia* Stephens, 1829  
*Aechmia* Treitschke, 1833  
*Aecimia* Boisduval, 1836, missp.  
*Glyphipteryx* Zeller, 1839, emend. (not Curtis, 1827 [Agonoxenidae])  
*Glyphiteryx* Fischer von Röslerstamm, 1841, missp.  
*Anacampsoides* Bruand, 1850, nom. oblit.  
*Glyphopteryx* Herrich-Schäffer, 1854, emend.  
*Glyphiptoryx* Mann & Rogenhofer, 1878, missp.  
*Glyphptieryx* Turati, 1879, missp.  
*Glyphpteryx* Christoph, 1882, missp.  
*Glyphyteryx* Hampson, 1918, missp.  
*Glyphteryx* Watt, 1920, missp.

\*2336.3 **floridensis** Heppner, 1997  
 Range.- V (Florida)  
 Dates.- Oct  
 Hosts.- Unknown

**DIPLOSCHIZIA** Heppner, 1981  
 2345 **lanista** (Meyrick, 1918) (McD 8671)  
 Range.- I-VI (se. U.S.: NC-FL/AL-TX)  
 Dates.- Jan, Mar, May-Jul, Sep-Dec  
 Hosts.- Unknown  
 \*2345.1 **minimella** Heppner, 1981  
 Range.- I-IV (Florida)  
 Dates.- Feb-May, Jun-Aug, Oct  
 Hosts.- Unknown  
 \*2345.2 **kutisi** Heppner, 1997  
 Range.- II (Florida)  
 Dates.- May  
 Hosts.- Unknown  
 \*2345.3 **seminolensis** Heppner, 1997

Range.- V (Florida)  
 Dates.- Apr-May  
 Hosts.- Unknown  
 2345.4 **habecki** Heppner, 1981  
 Range.- I-IV (se. U.S.: GA-FL/[AL])  
 Dates.- Apr-May, Jul-Dec  
 Hosts.- *Rhynchospora corniculata* [seeds] (Cyperaceae)  
 \*2345.5 **regia** Heppner, 1981  
 Range.- VI (Florida)  
 Dates.- Jan  
 Hosts.- Unknown  
 2346 **impigritella** (Clemens, 1863) (McD 8670)  
*exoptatella* (Chambers, 1875)  
 Range.- I-IV (N.Am.: Newfd.-FL/Man.-TX; B.C.-NV)  
 Dates.- Mar-Sep  
 Hosts.- *Cyperus esculentus*, *C. rotundus* [stem-borer] (Cyperaceae)  
 \*2346.1 **kimballi** Heppner, 1981  
 Range.- II-III (Florida)  
 Dates.- Apr-May, Aug  
 Hosts.- Unknown

[HOMADAULA, 2353: see 2400.1, Urodidae, p. 311]

## PLUTELLIDAE

### PLUTELLINAE

**PLUTELLA** Schrank, 1802  
*Anadetia* Hübner, [1825]  
*Euota* Hübner, [1825]  
*Cerostoma* Stephens, 1834 (not Latreille, 1802)  
*Creagria* Sodoffsky, 1837  
 2363 **porrectella** (Linnaeus, 1758) (McD 8870)  
*hesperidella* (Hübner, [1825])  
*vigilaciella* Clemens, 1860  
 Range.- I-VI (U.S. [introd.]: PA-FL/OH-TX; WA-CA; Europe)  
 Dates.- Jan-May, Jul, Nov-Dec  
 Hosts.- *Hesperis* sp. (Cruciferae)  
*Lepidium virginicum* (Cruciferae)  
 2366 **xylostella** (Linnaeus, 1758) (McD 8878)  
*cinerea* (Geoffroy, 1785)  
*maculipennis* (Curtis, 1832)  
*annulatellus* Wood, 1839 (not Curtis, 1832)  
*cruciferarum* Zeller, 1843  
*brassicella* Fitch, 1856  
*limbipennella* Clemens, 1860  
*mollipedella* Clemens, 1860  
*cicerella* (Rondani, 1876)  
*dubiosella* Beutenmüller, 1880  
*albovenosa* Walsingham, 1907  
*dudiosella* (Moriuti, 1977), missp.  
*dudiosalla* Heppner & Duckworth, 1983, missp.  
 Diamondback moth  
 Range.- I-VIII (N.Am. [introd.]: N.S.-FL/B.C.-CA; West Indies; Mex.-Argentina; Old World)  
 Dates.- Jan-Aug, Oct-Dec  
 Hosts.- *Arachis hypogaea* (Leguminosae)  
*Beta* sp. (Chenopodiaceae)  
*Brassica caulorapa*, *B. chinensis*, *B. napobrassica*, *B. oleracea* var. 'Capitata' group, *B. oleracea* 'Acephala' group, *B. oleracea* 'Botrytis' group, *B. rapa* 'Pekinensis' group (Cruciferae)

10.1

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10.4

10.5



*Matthiola incana* (Cruciferae)  
*Saccharum officinarum* (Gramineae)  
*Zea mays* (Gramineae)

## ATTEVIDAE

**ATTEVA** Walker, 1854

- Poeciloptera* Clemens, 1860  
*Amblothridia* Wallengren, 1861  
*Corinea* Walker, 1863  
*Oeta* Grote, 1865  
*Carthara* Walker, 1866, preocc. (Walker, 1865)  
*Synadia* Walker, 1866, repl. name  
*Scintilla* Guenée, 1879, preocc. (Deshayes, 1856)  
*Syblis* Guenée, 1879  
2401 **pustulella** (Fabricius, 1787) (McD 8937/8938/ 9.46 8939) T  
*punctella* (Cramer, 1781), preocc. (Linnaeus, 1761)  
*pastulella* (Fabricius, 1787), orig. missp.  
*pustulella* (Fabricius, 1794), emend.  
*subtilis* (Hübner, [1819])  
*aurea* (Fitch, 1856)  
*compta* (Clemens, 1860)  
*gemmata* (Grote, 1873)  
*aurera* (Stretch, 1873)  
*fastuosa* (Zeller, 1877)  
var. *floridana* (Neumoegen, 1891)  
*edithella* Busck, 1908  
*exquisita* Busck, 1912  
*Ailanthus* webworm  
Range.- I-VI (e. U.S.: NY-FL/NE-TX; Mex.)  
Dates.- Jan-Nov  
Hosts.- *Ailanthus* sp. (Simaroubaceae)  
*Castela* sp. (Simaroubaceae)  
*Simarouba glauca* (Simaroubaceae)

[LACTURA, 2404-2405: see Lacturidae, p. 312]

## YPONOMEUTIDAE

### YPONOMEUTINAE

**EUCATAGMA** Busck, 1901

- \*2402 **amyrisella** Busck, 1901 (McD 8929) T  
*amyridella* Meyrick, 1914, emend.  
Range.- IV-VIII? (Florida)  
Dates.- Feb?-Mar  
Hosts.- *Amyris elemifera* (Rutaceae)

**PODIASA** Busck, 1900

- \*2412 **chiococcella** Busck, 1900 (McD 8920) T  
Range.- IV-VI (Florida)  
Dates.- Jan-Apr  
Hosts.- *Chiococca alba* (Rubiaceae)  
*Eugenia* sp. (Myrtaceae)  
*Symphoricarpos* sp., *S. albus* (Caprifoliaceae)

[URODUS, 2415: see Urodidae, p. 309]

**YPONOMEUTA** Latreille, 1796

- Hyphantes* Hübner, 1806, suppr. (ICZN Op. 97)  
*Erminea* Haworth, [1811]

*Coenyphantes* Hübner, 1822  
*Nygmia* Hübner, [1825], preocc. (Hübner, [1820])  
*Hyponomeuta* Sodoffsky, 1837, emend.  
*Hyponomenta* Turner, 1898, missp.

- 2416.1 **calcarata** Meyrick, 1914 (McD --) T  
Range.- VIII (FL; Bermuda)  
Dates.- Jan-Mar  
Hosts.- Unknown  
2420 **multipunctella** Clemens, 1860 (McD 8931)  
*ordinatella* Walker, 1863  
Range.- I-III (e. U.S.: NY-FL/MI-TX)  
Dates.- Apr-May  
Hosts.- *Euonymus* sp. (Celastraceae)

**ZELLERIA** Stainton, 1849

- 2431 **retiniella** Forbes, 1923 (McD 8921.1) 10.6  
Range.- I-III (e. U.S.: NJ-FL/KY-TX)  
Dates.- Apr-Jun  
Hosts.- Unknown

## ARGYRESTHIIDAE

**ARGYRESTHIA** Hübner, [1825]

- Argyrosetia* Stephens, 1829  
*Oligos* Treitschke, 1830  
*Ederesa* Curtis, 1833  
*Ismene* Stephens, 1834  
*Blastotere* Ratzeburg, 1840  
*Argyrestia* MacKay, 1972, missp.  
2438 **apicimaculella** Chambers, 1874 (McD 8897)  
*visaliella* Chambers, 1875  
Range.- I-IV (e. U.S.: NJ-FL/OH-MS?)  
Dates.- Jan-Feb  
Hosts.- Unknown  
2449 **conjugella** Zeller, 1839 (McD 8903)  
*maculosa* Tengström, 1847  
*aerariella* Stainton, 1871  
Apple fruit moth  
Range.- I-IV (N.Am. [introd.]: Ont.-FL/B.C.-WA; Europe)  
Dates.- Nov  
Hosts.- *Malus* sp. (Rosaceae)  
*Sorbus aucuparia* (Rosaceae)  
\*2452 **eugeniella** Busck, 1916 (McD 8900)  
Guava fruit moth  
Range.- III-VIII (Florida)  
Dates.- Feb-Mar, Jul  
Hosts.- *Psidium guajava* (Myrtaceae)  
2479 **subreticulata** Walsingham, 1882 (McD 8898)  
*subreticulella* Kimball, 1965, missp.  
Range.- I (e. U.S.: NJ-FL/KY-TX)  
Dates.- Dec  
Hosts.- *Acer rubrum* (Aceraceae)

## LYONETHIIDAE

### BEDELLIINAE

**EUPRORA** Busck, 1906

- 461 **argentiliniella** Busck, 1906 (McD 9415.1)  
*argentilineella* Kimball, 1965, missp.  
Range.- II-VI (FL; TX)  
Dates.- Jan-Jun, Aug, Oct-Dec  
Hosts.- Unknown

**PHILONOME** Chambers, 1874*Phillonome* Chambers, 1875, missp.*Eurynome* Chambers, 1876, preocc. (Leach, 1814)*Busckia* Dyar, 1903462 **clemensella** Chambers, 1874 (McD 9425)

Range.- I-III (e. U.S.: NJ-FL/KY-TX)

Dates.- Apr, Aug, Oct

Hosts.- Unknown

**BEDELLIA** Stainton, 1849465 **minor** Busck, 1900 (McD 9424) T

Florida morning glory leafminer

Range.- IV-VIII (FL; TX)

Dates.- May-Jun, Dec

Hosts.- *Ipomoea* sp., *I. batatas*, *I. pes-caprae* (Convolvulaceae)466 **somnulenta** (Zeller, 1847) (McD 9423)*orpheella* Stainton, 1849*convolvulella* Heydenreich, 1851*convolvuliella* Bruand, 1859, emend.*staintoniella* Clemens, 1860*mnesileuca* Meyrick, 1928*annuligera* Meyrick, 1928*autoconis* Meyrick, 1930*ipomoeae* Bradley, 1953

Morning glory leafminer

Range.- I-VIII (N.Am. [introd.?]: Ont.-FL/IL-CA; Canary Is.; Europe; Japan; introd. in Fiji, Australia, South Africa)

Dates.- Jan-Dec

Hosts.- *Convolvulus* sp. (Convolvulaceae)*Ipomoea* sp., *I. batatas*, *I. pes-caprae*, *I. purpurea* (Convolvulaceae)**CEMIOSTOMINAE****PROLEUCOPTERA** Busck, 1902474 **smilaciella** (Busck, 1900) (McD 9414)

Range.- I-III (e. U.S.: PA-FL/IL-TX)

Dates.- Sep

Hosts.- *Smilax* sp. (Smilacaceae)**LEUCOPTERA** Hübner, [1825]*Cemiosstoma* Zeller, 1848477 **erythrinnella** Busck, 1900 (McD 9408)

Erythrina leafminer

Range.- I-IV (Gulf Coast: FL-TX)

Dates.- Feb, Sep, Nov

Hosts.- *Erythrina herbacea* (Leguminosae)\*478 **guettardella** Busck, 1900 (McD 9409) T

Range.- IV (Florida)

Dates.- Feb

Hosts.- *Guettarda elliptica* (Rubiaceae)**ACROLEPIIDAE****ACROLEPIOPSIS** Gaedike, 1970*Argiope* Chambers, 1873, preocc. (Audouin, 1827)2490 **incertella** (Chambers, 1872) (McD 8866)*dorsimaculella* (Chambers, 1873)

Range.- I-II (e. U.S.: NH-FL/IL-TX)

Dates.- Mar, May

Hosts.- *Lilium* sp. (Liliaceae)*Smilax* sp. (Smilacaceae)**HELIODINIDAE****CYCLOPLASIS** Clemens, 18642493 **panicfoliella** Clemens, 1864 (McD 8811)

Range.- I-IV (e. U.S.: NY-FL/OH-TX)

Dates.- Jan

Hosts.- *Lasiacis divaricata* (Gramineae)*Panicum clandestinum* (Gramineae)**SCELOORTHUS** Busck, 1900\*2494 **pisoniella** Busck, 1900 (McD 8812) T

Range.- III-VIII (Florida)

Dates.- Feb, Apr

Hosts.- *Pisonia aculeata* (Nyctaginaceae)*Torrubia longifolia* (Nyctaginaceae)**LAMPROLOPHUS** Busck, 1900*Embola* Walsingham, 1909\*2495 **lithella** Busck, 1900 (McD 8813) T

Range.- IV-VIII (Florida)

Dates.- Jan-Feb, Apr, Jul

Hosts.- *Pisonia aculeata* (Nyctaginaceae)**HELIODINES** Stainton, 1854*Aetole* Chambers, 1875*Aetola* Frey, 1884, missp.*Heliodinides* Turner, 1941, missp.2497 **bella** (Chambers, 1875) (McD 8515)

Range.- I-VI (U.S.: KY-FL/KS-CA)

Dates.- Jan, Apr, Jun, Aug-Oct

Hosts.- *Portulaca oleracea* (Portulacaceae)*Stizolobium* sp. (Leguminosae)\*2497.1 [**n. sp.**] T

Range.- VIII (Florida)

Dates.- Jun, Oct

Hosts.- Unknown

[SESIOIDEA p. 308]

[COSSOIDEA p. 313]

[TORTRICOIDEA p. 318]

[ZYGAENOIDEA p. 312]

## PYRALOIDEA

## HYBLAEIDAE

**HYBLAEA** Fabricius, 1793

*Aenigma* Strecker, 1876, preocc. (Newman, 1836)

6088 **puera** (Cramer, 1777) (McD 3814) T

*saga* (Fabricius, 1787)

*unxia* (Hübner, [1813])

*apricans* (Boisduval, 1834)

*limacodella* (Walker, 1866)

*mirificum* (Strecker, 1876)

var. *nigra* Stebbing, 1903

Teak moth

Range.- II-VIII (FL; TX; West Indies; Mex.-Argentina; Old World tropics)

Dates.- Jan-Dec

Hosts.- *Enallagma latifolia* (Bignoniaceae)

*Kigelia pinnata* (Bignoniaceae)

*Liriodendron* sp. (Magnoliaceae)

*Tabebuia argentea*, *T. avellanadae*, *T. heterophylla*, *T. impetiginosa*, *T. pallida* (Bignoniaceae)

*Tecomaria capensis* (Bignoniaceae)

## THYRIDIDAE

## THYRIDINAE

**THYRIS** Laspeyres, 1803

6076 **maculata** Harris, 1829 (McD 5314)

*perspicua* (Walker, 1856)

Clematis leafroller

Range.- I (e. N.Am.: Ont.-FL/IL-TX)

Dates.- May, Oct

Hosts.- *Clematis virginiana* (Ranunculaceae)

**PSEUDOTHYRIS** Thiele, 1986

6077 **sepulchralis** (Boisduval, 1832) (McD 5315)

*lugubris* (Boisduval, 1836)

*margaritana* (Clemens, 1862)

*nevadae*.- auct., misid. (not Oberthür, 1884)

Greenbriar leafroller

Range.- I-III (e. U.S.: ME-FL/IL-TX)

Dates.- Mar-Apr

Hosts.- *Smilax* sp., *S. rotundifolia* (Smilacaceae)

**DYSODIA** Clemens, 1860

*Varnia* Walker, 1864

*Farnia* Walker, 1865, missp.

*Platythyris* Grote & Robinson, 1867

*Pachythyris* Felder & Rogenhofer, 1868

6078 **oculatana** Clemens, 1860 (McD 5317)

*plena* (Walker, 1865)

*fasciata* (Grote & Robinson, 1867)

*montana* (H. Edwards, 1875)

*aurea* (Pagenstecher, 1892)

Range.- I (e. U.S.: PA-FL/IL-TX)

Dates.- May-Aug

Hosts.- *Eupatorium ageratoides* (Compositae)

?*Phaseolus* (Leguminosae)

?*Lycopus americanus* (Labiatae)

*Verbesina alternifolia* (Compositae)

6080 **speculifera** (Sepp, [1832-40]) (McD 5319) T

*aequalis* (Walker, 1865)

Range.- VIII (FL; West Indies-Venezuela)

Dates.- ? (stray)

Hosts.- Unknown

6081 **flagrata** (Walker, 1865) (McD 5320) T

*floridana* (Hulst, 1886)

Range.- VIII (FL; West Indies-Colombia)

Dates.- ?

Hosts.- Unknown

**HEXERIS** Grote, 1875

*Ottolenguia* Beutenmüller, 1896

6082 **enhydriis** Grote, 1875 (McD 5321) T

*reticulina* (Beutenmüller, 1896)

Seagrape borer

Range.- III-VIII (FL; West Indies)

Dates.- Mar-Sep, Dec

Hosts.- *Coccoloba diversifolia*, *C. uvifera* [stem] (Polygonaceae)

## SICULODINAE

**RHODONEURA** Guenée, 1858

*Oscia* Walker, 1864

*Isothauma* Warren, 1899

*Lelymena* Karsch, 1900

6084 **terminalis** (Walker, 1865) (McD 5323.1) T

*subapicula* (Dyar, 1913)

Range.- VI-VIII (FL; West Indies)

Dates.- Mar-Apr, Aug-Oct, Dec

Hosts.- *Hibiscus moscheutos* (Malvaceae) (galls)

**MESKEA** Grote, 1877

6085 **dyspteraria** Grote, 1877 (McD 5323)

Range.- I-VI (se. U.S.: FL; TX)

Dates.- Mar-May, Dec

Hosts.- *Hibiscus* sp., *H. moscheutos* (Malvaceae) (galls)

*Malvaviscus arboreus* var. *drummondii* (Malvaceae) (galls)

## STRIGLININAE

**BANISIA** Walker, 1864

*Durdara* Moore, 1882

*Vernifilia* Schultze, 1907

*Trophoessa* Turner, 1911

*Neobanisia* Whalley, 1967

6086 **myrsusalis** (Walker, 1859) (McD 5323.2) T

*immaculata* (Möschler, 1890)

*radiata* (Pagenstecher, 1892)

Sapodilla borer

Range.- VI-VIII (FL; West Indies)

Dates.- May-Jun, Aug, Oct-Nov

Hosts.- *Chrysophyllum oliviforme* (Sapotaceae)

*Manilkara zapota* (Sapotaceae)

6087 **furva** (Warren, 1905) (McD --) T

*flavalis* (Dognin, 1911)

a) **fracta** Whalley, 1976

Range.- VIII (FL; West Indies-S. Am. [FL subsp.])

Dates.- Mar-Apr, Jun-Aug, Oct-Nov

Hosts.- *Manilkara zapota* (Sapotaceae)

## PYRALIDAE

[NOTE: subfamilies and many genera, especially in Pyraustinae and Spilomelinae, have been considerably re-arranged in recent years; see Munroe (1995) for a corrected generic sequence.]

## Group CRAMBININA

[see p. 72 for current subfamily arrangement]

## SCOPARIINAE

## SCOPARIA Haworth, [1811]

*Eudorea* Curtis, 1827

*Scopea* Haworth, 1828

*Cholius* Guenée, 1845

*Tetraprosopus* Butler, 1882

*Xeroscopa* Meyrick, 1884

4716 **biplagiialis** Walker, [1866] (McD 5747.1)

*libella* Grote, 1878

Range.- I-II (N.Am.: Newfd.-FL/AK-WA)

Dates.- Feb

Hosts.- Unknown

4719 **basalis** Walker, [1866] (McD 5747)

Range.- I-II (e. N.Am.: N.S.-FL?/GA-AR)

Dates.- Dec

Hosts.- Unknown

4720 **dominicki** Munroe, 1972

Range.- I-II (se. U.S.: SC-FL/[AL])

Dates.- May

Hosts.- Unknown

## EUDONIA Billberg, 1820

*Eudoria* Chapman, 1912

*Witlesia* Chapman, 1912

4738 **strigalis** (Dyar, 1906) (McD 5735)

Range.- I-V (e. N.Am.: N.S.-FL/Ont.-TX)

Dates.- Jan-Jul, Sep-Dec

Hosts.- Unknown

4739 **heterosalis** (McDunnough, 1961) (McD --)

Range.- I-III (e. N.Am.: N.S.-FL/Ont.-TX)

Dates.- Feb-May

Hosts.- Unknown

## MUSOTIMINAE

## UNDULAMBIA Lange, 1956

4740 **striatalis** (Dyar, 1906) (McD 5693)

Range.- II-IV (Atlantic Coast: MA-FL)

Dates.- Mar-Jun

Hosts.- Unknown

\*4741 **polystichalis** Capps, 1965 (McD 5693.2)

Leatherleaf fern borer

Range.- II-VI (Florida)

Dates.- Jan-May, Jul-Nov

Hosts.- *Polystichum adiantiforme* (Polypodiaceae)

\*4742 **rarissima** Munroe, 1972

Range.- III-VIII (Florida)

Dates.- Jan-May, Sep

Hosts.- ?*Polystichum* sp. (Polypodiaceae)

## NYMPHULINAE

[NOTE: Acentropinae has been vaunted in Europe as the correct name for this subfamily but, notwithstanding a recent egregious vote by the ICZN, it should be considered a nomen oblitum, as it has been used

only by a few authors in Europe bent on promoting it.]

## NYMPHULINI

## NEOCATACLYSTA Lange, 1956

4743 **magnificalis** (Hübner, 1796) (McD 5699)

5.43

*lamialis* (Walker, 1859)

*helopalisis* (Clemens, 1860)

*heliopalisis* (Dyar, [1903]) (index)

*helopalisis* Munroe, 1995, missp.

Range.- I-V (e. N.Am.: N.S.-FL/[TN]-LA)

Dates.- Feb-Aug, Nov-Dec

Hosts.- Unknown

## CHRYSENDETTON Grote, 1881

*Chryseudeton* Grote, 1883, missp.

4744 **medicinalis** (Grote, 1881) (McD 5697.1)

6.9

*claudialis*.- auct., part (not Walker, 1859)

Range.- I-VI (e. U.S.: PA-FL/IL-TX)

Dates.- Jan-Sep, Nov-Dec

Hosts.- Unknown

4745 **kimballi** Lange, 1956 (McD 5707.1)

5.47

Range.- I-VI (se. U.S.: SC-FL/AL-TX)

Dates.- Mar-Oct

Hosts.- Unknown

4746 **imitabilis** (Dyar, 1917) (McD 5707)

Range.- I-VI (se. U.S.: SC-FL/AL-TX)

Dates.- Jan-Nov

Hosts.- Unknown

4746.1 **nigrescens** Heppner, 1991

Range.- I (se. U.S.: [GA]-FL/AL-LA)

Dates.- May-Jun, Aug-Sep

Hosts.- Unknown [pitcher plant bogs]

## 5.49 MUNROESSA Lange, 1956

4748 **icciusalis** (Walker, 1859) (McD 5691)

*formosalis* (Clemens, 1860)

*genuialis* (Lederer, 1863)

*genuinalis* (Lederer, 1863), missp.

Range.- I-VI (N.Am.: Newfd.-FL/NE-TX/B.C.)

Dates.- Jan, Mar-Aug, Oct-Nov

Hosts.- *Potamogeton* sp. (Potamogetonaceae)

4749 **faulalis** (Walker, 1859) (McD 5691.1)

*pacalis* (Grote, 1881)

Range.- I-VI (e. N.Am.: Ont.-FL/MI-TX)

Dates.- Apr, Aug, Dec

Hosts.- Unknown

4750 **nebulosalis** (Fernald, 1887) (McD 5690)

5.44

Range.- I-VI (se. U.S.: SC-FL/AL-TX)

Dates.- Jan-Dec

Hosts.- Unknown

4751 **gyralis** (Hulst, 1886) (McD 5688)

5.40

*dentilinea* (Hampson, 1897)

*serralinealis* (Barnes & Benjamin, 1924)

Range.- I-VI (e. N.Am.: Que.-FL/Man.-TX)

Dates.- Jan-Dec

Hosts.- *Nymphaea* sp. (Nymphaeaceae)

*Nuphar* sp. (Nymphaeaceae)

## CONTIGER Lange, 1956

4752 **vittatalis** (Dyar, 1906) (McD 5685)

6.11

Range.- I-VI (se. U.S.: SC-FL/AL-LA)

Dates.- Apr, Jun-Jul, Sep-Oct

Hosts.- Unknown

**NYMPHULIELLA** Lange, 1956

4753 **daeckalis** (Haimbach, 1915) (McD 5859)  
*broweri* (Heinrich, 1940)

Range.- I-II (e. U.S.: NJ-FL/OH?-TX)

Dates.- May-Oct

Hosts.- Unknown

**SYNCLITA** Lederer, 1863

4754 **tinealis** Munroe, 1972

Range.- I-IV (e. U.S.: NY-FL/OH?-TX)

Dates.- Feb-May, Jul-Sep, Nov

Hosts.- *Lemna* sp., *L. perpusilla*, *L. valdiviana* (Lemnaceae)

*Spirodella* sp., *S. polyrrhiza* (Lemnaceae)

4755 **obliteralis** (Walker, 1859) (McD 5686)

*proprialis* (Fernald, 1888)

*obscuralis*.- auct., part (not Möschler, 1881)

Waterlily leafcutter

Range.- I-VIII (e. N.Am.: Que.-FL/Man.-TX; [introd. to B.C., Hawaii, and England])

Dates.- Jan-Dec

Hosts.- ?*Amaranthus* sp. (Amaranthaceae)

*Aponogeton* sp. (Aponogetonaceae)

*Azolla* sp. (Azollaceae)

*Bacopa* sp. (Scrophulariaceae)

*Brasenia schreberi* (Nymphaeaceae)

?*Cardamine* sp. (Cruciferae)

*Echinodorus* sp. (Alismataceae)

*Eichhornia crassipes* (Pontederiaceae)

*Eleocharis* sp. (Cyperaceae)

*Elodia* sp. (Hydrocharitaceae)

*Hydrilla verticillata* (Hydrocharitaceae)

?*Hydrochloa* sp. (Gramineae)

*Hydrocotyle* sp. (Umbelliferae)

*Hygrophila* sp. (Acanthaceae)

*Lemna* sp. (Lemnaceae)

*Limnobium* sp. (Hydrocharitaceae)

*Limnophila* sp. (Scrophulariaceae)

*Lindernia* sp. (Scrophulariaceae)

?*Ludwigia* sp. (Onagraceae)

*Marsilea* sp. (Marsileaceae)

*Micranthemum* sp. (Scrophulariaceae)

*Myriophyllum* sp. (Haloragidaceae)

*Nasturtium* sp. (Cruciferae)

*Nelumbo* sp. (Nelumbonaceae)

*Nomophila* sp. (Acanthaceae)

*Nuphar* sp. (Nymphaeaceae)

*Nymphaea* sp. (Nymphaeaceae)

*Nymphoides* sp. (Menyanthaceae)

*Orontium* sp. (Araceae)

*Pistia stratiotes* (Araceae)

*Polygonum* sp. (Polygonaceae)

*Pontederia* sp. (Pontederiaceae)

*Potamogeton* sp., *Potamogeton natans* (Potamogetonaceae)

*Rotala* sp. (Lythraceae)

*Sagittaria* sp. (Alismataceae)

*Salix* sp. (Salicaceae)

*Salvinia rotundifolia* (Salviniaceae)

*Spirodella* sp. (Lemnaceae)

*Synema* sp. (Acanthaceae)

**LANGESSA** Munroe, 1972

4758 **nomophilalis** (Dyar, 1906) (McD 5687)

Range.- I-VII (se. U.S.: [GA]-FL/[AL]-TX)

6.10

Dates.- Jan-Aug, Oct-Dec

Hosts.- Unknown

**PARAPOYNX** Hübner, [1825]

*Paraponyx* Guenée, 1845, missp.

*Eustales* Clemens, 1860

*Sironia* Clemens, 1860

*Nymphaeella* Grote, 1880

*Hygraula* Meyrick, 1885

4759 **maculalis** (Clemens, 1860) (McD 5680)

5.38

*seminivella* (Walker, [1866])

*dispar* (Grote, 1880)

f. *foeminalis* (Dyar, 1906)

f. *masculinalis* (Dyar, 1906)

White waterlily leafcutter

Range.- I-VII (e. N.Am.: Que.-FL/MN-TX)

Dates.- Jan-Jul, Sep-Dec

Hosts.- *Brasenia schreberi* (Cabombaceae)

*Nuphar luteum* (Nymphaeaceae)

*Nymphaea odorata* (Nymphaeaceae)

4760 **obscuralis** (Grote, 1881) (McD 5682)

5.41

Vallisneria leafcutter

Range.- I-VII (e. N.Am.: Que.-FL/WI-NM)

Dates.- Jan-Dec

Hosts.- *Nuphar luteum* (Nymphaeaceae)

*Polygonum* sp. (Polygonaceae)

*Potamogeton natans*, *P. amplifolius*, *P. praelongus*, *P. richardsonii* (Potamogetonaceae)

*Sagittaria latifolia*, *S. stagnorum* (Alismataceae)

*Vallisneria neotropicalis*, *V. spiralis* (Hydrocharitaceae)

4761 **badiusalis** (Walker, 1859) (McD 5684)

*albalis* (Robinson, 1869)

Range.- I-VIII (e. N.Am.: Que.-FL/Man.-LA?)

Dates.- ?

Hosts.- *Myriophyllum spicatum* (Haloragidaceae)

*Potamogeton amplifolius*, *P. praelongus*, *P. richardsoni*, *P. zosteriformis* (Potamogetonaceae)

4762 **curviferalis** (Walker, [1866]) (McD 5684, part)

Range.- I-II (e. N.Am.: N.B.-FL/IL-AL?)

Dates.- ?

Hosts.- Unknown

4763 **seminealis** (Walker, 1859) (McD 5683)

5.42

*tedyscongalis* (Clemens, 1860)

Floating-heart waterlily leafcutter

Range.- I-VII (e. U.S.: MA-FL/OH?-TX)

Dates.- Jan-Jun, Aug-Dec

Hosts.- *Nymphoides aquatica* (Menyanthaceae)

4764 **allionealis** Walker, 1859 (McD 5681)

5.46

*itealis* (Walker, 1859)

*aptalis* Lederer, 1863

*cretacealis* Lederer, 1863

*plenilinealis* Grote, 1881

Watermilfoil leafcutter

Range.- I-VII (e. N.Am.: N.S.-FL/Man.-TX)

Dates.- Jan-Dec

Hosts.- *Eleocharis vivipara* (Cyperaceae)

*Hydrochloa caroliniensis* (Gramineae)

*Myriophyllum heterophyllum*, *M. spicatum* (Haloragidaceae)

*Nymphaea odorata* (Nymphaeaceae)

*Potamogeton natans*, *P. pusillus* (Potamogetonaceae)

*Salvinia rotundifolia* (Salviniaceae)

*Utricularia inflata* (Lentibulariaceae)

5.45

4765 **diminutalis** Snellen, 1880 (McD --) T **6.15-16**  
 Asian hydrilla leafcutter  
 Range.- I-VIII (Gulf Coast [introd.]: FL-TX; se. Asia)  
 Dates.- Jan, Mar, Jun-Dec  
 Hosts.- *Hydrilla verticillata* (Hydrocharitaceae)

### ARGYRACTINI

**NEARGYRACTIS** Lange, 1956  
 4769 **slossonalis** (Dyar, 1906) (McD 5698) **5.48, 6.12**  
 Range.- I-VII (se. U.S.: [GA]-FL/[AL]-MS?)  
 Dates.- Jan-Dec  
 Hosts.- Unknown  
 4769.1 **moniligeralis** (Lederer, 1863) (McD 5698.1) T  
 Range.- IV-VI (FL; West Indies)  
 Dates.- Feb, May (stray)  
 Hosts.- Unknown

**ARGYRACTIS** Hampson, 1897  
 \*4770 **drumalis** (Dyar, 1906) (McD 5696)  
 Range.- II-IV (Florida)  
 Dates.- Feb, May-Nov  
 Hosts.- *Pistia stratiotes* (Araceae) (roots)

**PETROPHILA** Guiling, 1830  
*Parargyractis* Lange, 1956  
 4774 **bifascialis** (Robinson, 1869) (McD 5695)  
 Range.- I (e. N.Am.: N.S.-FL/IL-TX)  
 Dates.- Apr, Jul (stray?)  
 Hosts.- Unknown (algae?)  
 \*4778 **santafealis** (Heppner, 1976) (McD 5700, part/ **6.13**  
 5701.1)  
*fulcalis*.- Kimball, 1965 (not Clemens, 1860)  
 Range.- I-IV (Florida)  
 Dates.- Jan-May, Jul-Dec  
 Hosts.- Unknown (algae?)

**EOPARARGYRACTIS** Lange, 1956  
 \*4785 **irroratalis** (Dyar, 1917) (McD 5711)  
 Range.- I-IV (Florida)  
 Dates.- Jan-Jun, Aug-Dec  
 Hosts.- Unknown (algae?)  
 4786 **floridalis** Lange, 1956 (McD 5711.1)  
 Range.- I-IV (se. U.S.: [GA]-FL/AL)  
 Dates.- Mar-May, Jul, Sep-Nov  
 Hosts.- Unknown (algae?)  
 4787 **plevie** (Dyar, 1917) (McD 5712)  
 Range.- I (e. N.Am.: Que.-FL/[AL]-MS?)  
 Dates.- Apr-May  
 Hosts.- *Isoetes muricata*, *I. tuckermanni* (Isoetaceae)  
*Lobelia dormanna* (Campanulaceae)

### DICHOGAMINAE

**DICHOGAMA** Lederer, 1863  
*Carbaca* Walker, [1866]  
*Carbacha* Hampson, 1899, missp.  
 4790 **redtenbacheri** Lederer, 1863 (McD 5379) T **8.42**  
*f. nigra* Amsel, 1956  
 Caper leaf webber  
 Range.- IV-VIII (FL; West Indies-S. Am.)  
 Dates.- Jan-May, Jul-Dec  
 Hosts.- *Capparis cynophallophora*, *C. flexuosa* (Cappari-

daceae)  
 4791 **amabilis** Möschler, 1890 (McD 5380) T  
 Range.- IV-VIII (FL; West Indies)  
 Dates.- Jan, Mar-May, Jul, Sep-Nov  
 Hosts.- *Capparis cynophallophora* (Capparidaceae)

**ALATUNCUSIA** Amsel, 1956  
 4793 **bergii** (Möschler, 1890) (McD 5381) T **8.43**  
 Range.- IV-VIII (FL; West Indies-Venezuela)  
 Dates.- Jul-Dec  
 Hosts.- *Capparis cynophallophora* (Capparidaceae)

**EUSTIXIA** Hübner, [1823]  
*Thelcteria* Lederer, 1863  
 4794 **pupula** Hübner, [1823] (McD 5653) **5.35**  
 Range.- I-IV (e. N.Am.: Ont.-FL/WY-TX)  
 Dates.- Mar-Jul, Sep  
 Hosts.- *Brassica oleracea* (Cruciferae)  
*Lepidium virginicum* (Cruciferae)

### ODONTIINAE

**MICROTHEORIS** Meyrick, 1932  
 4796 **ophionalis** (Walker, 1859) (McD 5492) **4.23**  
*sesquialteralis* (Zeller, 1873)  
*nasonialis* (Zeller, 1873)  
 Range.- I-VIII (N.Am.: Ont.-FL/B.C.-CA; West Indies;  
 Mex.-Brazil)  
 Dates.- Jan, Mar-Oct  
 Hosts.- Unknown

**DICEPOLIA** Snellen, 1892  
*Endolophia* Hampson, 1899  
 4796.1 **rufitinctalis** (Hampson, 1899) (McD --) T  
 Range.- III-VIII (FL; Mex.; West Indies)  
 Dates.- Jan-Apr, Jul-Aug, Nov-Dec  
 Hosts.- Unknown

**6.14 MIMOSCHINIA** Warren, 1892  
 4826 **rufofascialis** (Stephens, 1834) (McD 5659) T **6.1**  
*fascialis* (Haworth, 1803), preocc. (Hübner,  
 1796)  
*thalialis* (Walker, 1859)  
*perviana* (Walker, [1866])  
*gelidalis* (Walker, [1866])  
*costaemaculalis* (Snellen, 1887)  
 Range.- I-VIII (N.Am.: FL; B.C.-CA; West Indies; Mex.)  
 Dates.- May, Oct  
 Hosts.- *Abutilon* sp. [seeds] (Malvaceae)  
*Allowissadula* sp. [seeds] (Malvaceae)  
*Althaea* sp. [seeds] (Malvaceae)  
*Malvastrum* sp. [seeds] (Malvaceae)  
*Sida* sp. [seeds] (Malvaceae)

### GLAPHYRIINAE

**HELLULA** Guenée, 1854  
*Oebia*.- auct., suppr. (ICZN, Op. 536)  
*Oeobia*.- auct., suppr. (ICZN, Op. 536)  
*Phyratocosma* Meyrick, 1936  
 4846 **rogatalis** (Hulst, 1886) (McD 5423) **5.10**  
*undalis*.- auct., part (not Fabricius, 1794)  
 Cabbage webworm

- Range.- I-VI (e. N.Am.: N.S.-FL/IL-TX/NM-CA; [Mex.])  
 Dates.- Jan-Dec  
 Hosts.- *Alyssum* sp. (Cruciferae)  
*Brassica juncea*, *B. kaber*, *B. oleracea*, *B. oleracea* var. *acephala*, *B. oleracea* var. *capitata*,  
*B. rapa* (Cruciferae)  
*Cleome* sp., *Cleome hasslerana* (Capparidaceae)  
*Zea mays* (Gramineae)  
 4847 **phidilealis** (Walker, 1859) (McD 5424) T **4.18**  
*trypheropa* (Meyrick, 1936)  
 Range.- I-VIII (s. U.S.: FL/TX-AZ; West Indies; Mex.-S. Am.)  
 Dates.- Feb-Sep, Nov-Dec  
 Hosts.- *Beta* sp. (Chenopodiaceae)  
*Brassica* sp., *B. oleracea*, *B. rapa* 'Pekinensis' group, *B. rapa* (Cruciferae)  
*Cleome* sp. (Capparidaceae)  
*Lepidium* sp., *L. virginicum* (Cruciferae)  
*Psophocarpus tetragonolobus* (Leguminosae)  
*Raphanus sativus* (Cruciferae)  
 4848 **kempae** Munroe, 1972  
 Range.- I-VIII (se. U.S.: [GA]-FL/[AL]-TX)  
 Dates.- Mar-Aug, Oct-Dec  
 Hosts.- Unknown
- STEGEA** Munroe, 1964  
*Egesta* Ragonot, 1891, preocc. (Conrad, 1845)  
 4864 **eripalis** (Grote, 1878) (McD 5338) **14.22**  
 Range.- I (e. N.Am.: Ont.-FL/IA-TX)  
 Dates.- May  
 Hosts.- Unknown
- GLAPHYRIA** Hübner, [1823]  
*Homophysa* Guenée, 1854  
*Berdura* Möschler, 1886  
*Holophysa* Gundlach, 1891, missp.  
*Glaphria* Fernald, [1903], missp.  
 4869 **glaphyralis** (Guenée, 1854) (McD 5325) **14.23**  
*stipatalis* (Walker, [1866])  
*albolineata* (Grote & Robinson, 1867)  
 Range.- I-VI (e. N.Am.: Ont.-FL/IL-TX)  
 Dates.- Apr-Jun, Aug-Sep  
 Hosts.- Unknown  
 4870 **sesquistrialis** Hübner, [1823] (McD 5326) **14.24-25**  
*dimotalis*.- auct., part (not Walker, [1866])  
 Range.- I-VIII (e. N.Am.: Ont.-FL/IL-TX)  
 Dates.- Feb-Nov  
 Hosts.- *Quercus virginiana* (Fagaceae)  
 4871 **basiflavalis** Barnes & McDunnough, 1913 (McD 5332) **14.30**  
 Range.- I-VI (se. U.S.: [GA]-FL/[AL]-TX)  
 Dates.- Jan-Dec  
 Hosts.- Unknown  
 4873 **fulminalis** (Lederer, 1863) (McD 5330)  
 Range.- I-V (e. U.S.: CT-FL/IL-TX)  
 Dates.- Jan-Aug, Oct  
 Hosts.- Unknown  
 4874 **cappsi** Munroe, 1972  
 Range.- I-VIII (se. U.S.: [GA]-FL/[AL]-TX)  
 Dates.- Jan, Mar-May, Jul-Nov  
 Hosts.- Unknown
- AETHIOPHYSA** Munroe, 1964  
 \*4875 **delicata** Munroe, 1964  
 Range.- II-VIII (Florida)  
 Dates.- May-Oct  
 Hosts.- Unknown  
 4877 **lentiflualis** (Zeller, 1872) (McD 5327) **14.26**  
*invisalis*.- auct., part (not Guenée, 1854)  
 Range.- I-III (e. N.Am.: Ont.-FL/MI-TX)  
 Dates.- Mar-Jul, Sep-Nov  
 Hosts.- Unknown
- XANTHOPHYSA** Munroe, 1964  
 4879 **psychialis** (Hulst, 1886) (McD 5328) **14.27**  
*psychialis* auct., missp.  
 Range.- I-VIII (e. N.Am.: N.S.-FL/IL-TX)  
 Dates.- Mar-Sep  
 Hosts.- Unknown
- PLUMEGESTA** Munroe, 1972  
 \*4880 **largalis** Munroe, 1972 T  
 Range.- VIII (Florida)  
 Dates.- Mar, May-Jul  
 Hosts.- Unknown
- LIPOCOSMA** Lederer, 1863  
*Clarkeia* Amsel, 1956, preocc. (Kozłowski, 1923)  
*Clarkeiodes* Amsel, 1957, repl. name  
*Lipocoscopsis* Munroe, 1964  
 4881 **sicalis** (Walker, 1859) (McD 5340) **14.31**  
*perfusalis* (Walker, [1866])  
 Range.- I-VIII (e. N.Am.: Que.-FL/IL-TX)  
 Dates.- May-Aug, Nov  
 Hosts.- Unknown  
 \*4882 **diabata** Dyar, 1917 (McD 5341)  
 Range.- III-VI (Florida)  
 Dates.- Feb-Apr, Jun, Aug, Oct  
 Hosts.- Unknown  
 4885 **septa** Munroe, 1972  
 Range.- I-VI (Gulf Coast: [GA]/FL-TX)  
 Dates.- Mar-Aug, Dec  
 Hosts.- Unknown
- LIPOCOSMODES** Munroe, 1964  
 4888 **fuliginosalis** (Fernald, 1888) (McD 5342) **14.32**  
 Range.- I-VI (e. N.Am.: Que.-FL/IL-TX)  
 Dates.- Jan-Nov  
 Hosts.- Unknown
- DICYMOLOMIA** Zeller, 1872  
*Bifalculina* Amsel, 1956  
 4889 **julianalis** (Walker, 1859) (McD 5347)  
*decora* Zeller, 1872  
 Range.- I-VI (e. N.Am.: N.S.-FL/IL-TX)  
 Dates.- Jan-May, Jul-Oct  
 Hosts.- *Typha* sp. (Typhaceae)  
 4890 **metalophota** (Hampson, 1897) (McD 5350.1) T  
*consortalis* (Dyar, 1914) **14.34**  
*argentipunctalis* (Amsel, 1956)  
 Range.- II-VIII (FL; TX; West Indies; Mex.-S. Am.)  
 Dates.- Jan-Jun, Aug-Dec  
 Hosts.- *Cajanus cajan* (Leguminosae)  
 \*4893 **grisea** Munroe, 1964 (McD 5350.2)  
 Range.- II-VIII (Florida)  
 Dates.- Jan-Aug, Oct-Dec

Hosts.- Unknown

**CHALCOELA** Zeller, 18724896 **pegasalis** (Walker, 1859) (McD 5350)*principalis* (Walker, [1866])*egressalis* (Walker, [1866])*robinsonii* (Grote, 1871)*discedalis* (Möschler, 1890)

Wasp parasitizer moth

Range.- I-VI (e. N.Am.: Ont.-FL/IL-TX; West Indies)

Dates.- Mar-Nov

Hosts.- *Polistes* spp. wasps (predaceous)**EVERGESTINAE****EVERGESTIS** Hübner, [1825]*Mesographe* Hübner, [1825]*Homochroa* Hübner, [1825]*Scopolia* Hübner, [1825]*Pionea* Guenée, 1844*Orobena* Guenée, 1854*Aedis* Grote, 1878*Paraedis* Grote, 1882*Paroedis* auct., missp.*Pachyzancloides* Matsumura, 19254898 **rimosalis** (Guenée, 1854) (McD 5442)

Cross-striped cabbage worm

Range.- I-VI (U.S.: NY-FL/IL-TX/CO-WA; Mex.)

Dates.- Feb-Jul, Oct, Dec

Hosts.- *Brassica caulorapa*, *B. oleracea* var. *acephala* (Cruciferae)*Raphanus sativus* (Cruciferae)4901 **unimacula** (Grote & Robinson, 1867) (McD 5643)

Range.- I? (e. N.Am.: Ont.-FL?/IL-MO?)

Dates.- May-Aug

Hosts.- Unknown

**EVERGESTELLA** Munroe, 19744932 **evincalis** (Möschler, 1890) (McD 5432.1) T

Range.- VIII (FL; West Indies)

Dates.- Jan, Mar, Jul-Oct, Dec

Hosts.- Unknown

**TRISCHISTOGNATHA** Warren, 18924933 **pyrenealis** (Walker, 1859) (McD 5450) T*palindialis*.- auct. (not Guenée, 1854)*medonalis* (Walker, 1859)*implicitalis* (Möschler, 1890)*dyaralis* (Fernald, 1901)

Range.- I-VIII (se. U.S.: GA-FL/AL-TX; West Indies; Mex.-C. Am.)

Dates.- Feb-Aug

Hosts.- *Drypetes lateriflora* (Euphorbiaceae)**PYRAUSTINAE****NASCIA** Curtis, 18354937 **acutella** (Walker, [1866]) (McD 5560)*venalis* (Grote, 1878)

Range.- I-II (e. N.Am.: N.S.-FL/CO-TX)

Dates.- Aug

Hosts.- Unknown

**EPICORSIA** Hübner, [1818]4938 **oedipodalis** (Guenée, 1854) (McD 5567.1) T **20.17***cerata*.- auct., part (not Fabricius, 1795)*mellinalis*.- auct., part (not Hübner, [1818])*butyroa* (Butler, 1878)

Range.- IV-VI (FL; West Indies)

Dates.- Feb-May, Sep-Dec

Hosts.- *Carpodiptera ameliae* (Tiliaceae)*Citharexylum* sp., *C. berlandieri*, *C. fruticosum*, *C. spinosum* (Verbenaceae)*Coccoloba diversifolia* (Polygonaceae)*Erythrina herbacea* (Leguminosae)*Nectandra coriacea* (Lauraceae)*Peperomia* sp. (Piperaceae)**PSEUDOPYRAUSTA** Amsel, 19564939 **santatalis** (Barnes & McDunnough, 1914) (McD

5390) T

**4.10***acutangulalis*.- auct., part (not Snellen, 1875)

Range.- III-VI (FL; TX; West Indies; Mex.)

Dates.- Feb-Oct

Hosts.- Unknown

**OENOBOTYS** Munroe, 19764940 **vinotinctalis** (Hampson, 1895) (McD 5548.1) T **5.27**

Range.- I-VIII (se. U.S.: GA-FL/AL-TX; West Indies; Mex.-S. Am.)

Dates.- Jan-Dec

Hosts.- *Eupatorium* sp. (Compositae)**TRIUNCIDIA** Munroe, 19764942 **eupalusalis** (Walker, 1859) (McD --) T

Range.- III-VIII (FL; West Indies; Mex.-Paraguay)

Dates.- Apr-May, Sep

Hosts.- Unknown

**CROCIDOPHORA** Lederer, 18634943 **pustuliferalis** Lederer, 1863 (McD 5449)

Range.- I-III (e. U.S.: VA-FL/AR-TX)

Dates.- Mar-Apr, Jul, Sep, Dec

Hosts.- *Arundinaria* sp., *A. macrosperma* (Gramineae)  
*?Lasiavis divaricata* (Gramineae)4945 **tubercularis** Lederer, 1863 (McD 5451)

Range.- I-III (e. N.Am.: Que.-FL/IL-TX)

Dates.- Mar-Aug

Hosts.- Unknown

**OSTRINIA** Hübner, [1825]*Micractis* Warren, 1892*Eupolemarcha* Meyrick, 1937*Zeaphagus* Agenjo, 19524946 **penitalis** (Grote, 1876) (McD 5594) T **4.30-31***nelumbialis* (J. B. Smith, 1890) **5.30***pyraustalis* (Dyar, 1925)

Range.- I-VIII (N.Am.: Que.-FL/B.C.-TX; West Indies; Mex.-Brazil)

Dates.- Mar-Sep

Hosts.- *Nelumbo lutea* [stem] (Nymphaeaceae)*Nuphar* sp. (Nymphaeaceae)*Polygonum* sp. *P. densiflorum* (Polygonaceae)4947 **obumbratalis** (Lederer, 1863) (McD 5464, part 5595/5596)*obliteralis* (Walker, [1866])*ainsliei* (Heinrich, 1919)



- ainslei* Kimball, 1965, missp.  
Smartweed borer  
Range.- I-IV (e. N.Am.: N.B.-FL/Man.-TX?)  
Dates.- Apr-May  
Hosts.- *Ambrosia* sp. (Compositae)  
*Pastinaca sativa* (Umbelliferae)  
*Polygonum* sp. (Polygonaceae)  
*Solidago* sp. [stem] (Compositae)  
*Zea mays* (Gramineae)  
4949 **nubilalis** (Hübner, 1796) (McD 5593.1)  
*silacealis* (Hübner, 1796)  
*lupulinalis*.- auct., part (not Clerck, 1759)  
European corn borer  
Range.- I (e. N.Am.[introd.]: Newfd.-FL/WY-TX; Europe-W.Asia)  
Dates.- May-Oct  
Hosts.- *Abelmoschus esculentus* (Malvaceae)  
*Alopecurus* sp. (Gramineae)  
*Althaea* sp. (Malvaceae)  
*Amaranthus* sp. (Amaranthaceae)  
*Apium* sp. (Umbelliferae)  
*Arachis hypogaea* (Leguminosae)  
*Artemisia* sp. (Compositae)  
*Aster* sp. (Compositae)  
*Beta* sp., *B. vulgaris* (Chenopodiaceae)  
*Calendula officinalis* (Compositae)  
*Canna* sp. (Cannaceae)  
*Cannabis sativa* (Cannabidaceae)  
*Capsicum* sp. (Solanaceae)  
*Celosia* sp. (Amaranthaceae)  
*Chaetochloa* sp. (Gramineae)  
*Chenopodium* sp. (Chenopodiaceae)  
*Chrysanthemum* sp. (Compositae)  
*Coleus* sp. (Labiatae)  
*Cosmos* sp. (Compositae)  
*Dahlia* sp. (Compositae)  
*Dimorphotheca* sp. (Compositae)  
*Echinochloa crus-galli* (Gramineae)  
*Euchlaena mexicana* (Gramineae)  
*Fagopyrum* sp. (Polygonaceae)  
*Gladiolus* sp. (Iridaceae)  
*Glycine max* (Leguminosae)  
*Gossypium* sp. (Malvaceae)  
*Helianthus* sp. (Compositae)  
*Helichrysum* sp. (Compositae)  
*Hordeum vulgare* (Gramineae)  
*Humulus* sp. (Cannabidaceae)  
*Lycopersicon* sp. (Solanaceae)  
*Nicotiana tabacum* (Solanaceae)  
*Panicum* sp. (Gramineae)  
*Phaseolus* sp. (Leguminosae)  
*Polygonum* sp. (Polygonaceae)  
*Prunus persica* (Rosaceae)  
*Rheum* sp. (Polygonaceae)  
*Rudbeckia* sp. (Compositae)  
*Salvia* sp. (Labiatae)  
*Setaria* sp. (Gramineae)  
*Solanum melongena* var. *esculentum*, *S. tuberosum* (Solanaceae)  
*Sorghum* sp., *S. bicolor* 'Technicum' group, *S. halepense*, *S. vulgare*, *S. vulgare* var. *sudanense* (Gramineae)  
*Trifolium* sp. (Leguminosae)  
*Vigna* sp. (Leguminosae)

- Viola* sp., *V. tricolor* (Violaceae)  
*Xanthium* sp. (Compositae)  
*Zea mays* [stem] (Gramineae)  
*Zinnia* sp. (Compositae)

- FUMIBOTYS** Monroe, 1976  
4950 **fumalis** (Guenée, 1854) (McD 5598) **5.29**  
*orasusalis* (Walker, 1859)  
*badipennis* (Grote, 1873)

- Range.- I-III (N.Am.: N.S.-FL/B.C.-TX)  
Dates.- Sep-Nov  
Hosts.- *Mentha* sp. (Labiatae)

- PERISPASTA** Zeller, 1875  
4951 **caeculalis** Zeller, 1875 (McD 5545) **5.23**  
*immixtal* Grote, 1881

- Range.- I-IV (N.Am.: Que.-FL/B.C.-TX; Mex.)  
Dates.- Feb-Jun, Nov  
Hosts.- Unknown

- PHLYCTAENIA** Hübner, [1825]  
4953 **coronata** (Hufnagel, 1767) (McD 5564) **4.27-28**  
*sambucalis* ([Denis & Schiffermüller], 1775)  
*sambucata* (Guiling, 1830), emend.

- a) **tertialis** (Guenée, 1854)  
*plectilis* (Grote & Robinson, 1867)  
*syringicola* (Packard, 1870)

- Range.- I-V (e. N.Am.: Newfd.-FL/NWT-TX) [Old World, nominate subsp.]

- Dates.- Feb-Oct, Dec  
Hosts.- *Sambucus* sp. (Caprifoliaceae)

- \*4955 **leuschneri** Munroe, 1976

- Range.- I-III (Florida)  
Dates.- Mar-Nov  
Hosts.- Unknown

- NEALGEDONIA** Monroe, 1976  
4956 **extricalis** (Guenée, 1854) (McD 5562)  
*intricalis* (Lederer, 1863)  
*oppilalis* (Grote, 1880)

- Range.- I-II (N.Am.: Newfd.-FL/NWT-TX)

- Dates.- Jul  
Hosts.- *Alnus* sp. (Betulaceae)  
*Betula papyrifera* (Betulaceae)  
*Populus balsamifera* (Salicaceae)

- ANANIA** Hübner, [1823]  
*Ennychia* Treitschke, 1828  
*Ennychia* Duponchel, 1832, missp.  
*Trichovalva* Amsel, 1956  
4958 **funnebris** (Ström, 1768) (McD 5647)  
*octomaculata* (Linnaeus, 1771)  
*atralis* (Fabricius, 1775)  
*guttalis* ([Denis & Schiffermüller], 1775)  
*trigutta* (Esper, 1791)  
*octomaculalis* (Treitschke, 1829)

- a) **glomeralis** (Walker, 1859)  
Range.- I (N.Am.: Newfd.-FL/NWT-CO; Old World)  
Dates.- May  
Hosts.- *Cytisus nigricans* [Europe] (Leguminosae)  
*Genista tinctoria* [Europe] (Leguminosae)  
*Solidago* sp. (Compositae)

- HAHNCAPPSIA** Monroe, 1976

4962 **marculenta** (Grote & Robinson, 1867) (McD 5464, part)  
*obliteralis*.– auct., part (not Walker, [1866])

Range.– I-II (e. N.Am.: Que.-FL/IA-TX)

Dates.– Apr-May, Jul

Hosts.– *Ambrosia trifida* (Compositae)

*Solidago* sp. (Compositae)

4967 **mancalis** (Lederer, 1863) (McD 5467) T **5.21**

Range.– I-IV (e. U.S.: MD-FL/IL-AZ; Mex.-Costa Rica)

Dates.– Jan, Mar-Aug

Hosts.– *Amaranthus retroflexus* (Amaranthaceae)

*Ipomoea* sp. (Convolvulaceae)

*Mentha* sp. (Labiatae)

*Nicotiana tabacum* (Solanaceae)

*Rumex* sp. (Polygonaceae)

4971 **ramsdenalis** (Schaus, 1920) (McD --) T

Range.– II-VIII (FL; TX; West Indies; Mex.-Bolivia)

Dates.– May, Jul

Hosts.– Unknown

**ACHYRA** Guenée, 1849

*Eurycreon* Lederer, 1863

*Tritaea* Meyrick, 1884

*Achiria* Sherborn, 1932, missp.

*Achyria* Sherborn, 1932, missp.

4974 **bifidalis** (Fabricius, 1794) (McD 5469) T

*inornatalis* (Walker, [1866])

*evanidalis* (Berg, 1875)

*obsoletalis* (Berg, 1875)

*orbitalis*.– (Hampson, 1899) misid. (not Felder & Rogenhofer, 1875)

*stolidalis* (Schaus, 1940)

Range.– VIII (N.Am.: FL; TX; Alb.-AZ; West Indies; Mex.-Argentina)

Dates.– Sep

Hosts.– *Gossypium* sp. (Malvaceae)

*Portulaca* sp. (Portulacaceae)

4975 **rantal** (Guenée, 1854) (McD 5471) T **5.22**

*similalis*.– auct., part (not Guenée, 1854)

*siriusalis* (Walker, 1859)

*licealis* (Walker, 1859)

*murcialis* (Walker, 1859)

*nestusalis* (Walker, 1859)

*diotimealis* (Walker, 1859)

*crinialis* (Walker, 1859)

*intractella* (Walker, 1863)

*crinitalis* (Lederer, 1863), emend.

*posticata* (Grote & Robinson, 1867)

*subfulvalis* (Herrich-Schäffer, 1871)

*communis* (Grote, 1876)

*nodalis* (Gundlach, 1881), missp.

*viscendalis* (Möschler, 1890)

*collucidalis* (Möschler, 1890)

*visendalis* (Hampson, 1899), missp.

*caffreii* (Flint & Malloch, 1920)

Garden webworm

Range.– I-VIII (N.Am.: Que.-FL/IA-TX/CO-CA; West Indies; Mex.)

Dates.– Feb-Oct, Dec

Hosts.– *Beta* sp. (Chenopodiaceae)

*Fragaria* sp. (Rosaceae)

*Glycine max* (Leguminosae)

*Gossypium* sp. (Malvaceae)

*Medicago* sp. (Leguminosae)

*Phaseolus* sp. (Leguminosae)

*Trifolium* sp. (Leguminosae)

*Vigna* sp. (Leguminosae)

*Zea mays* (Gramineae)

**NEOHELVBOTYS** Munroe, 1976

4977 **neohelvalis** (Capps, 1967) (McD 5467.1) T

Range.– I-III (s. U.S.: GA-FL/AL-AZ; West Indies; Mex.-Panama)

Dates.– May-Jul

Hosts.– Unknown

4979 **polingi** (Capps, 1967) (McD --) T

Range.– I-VI (s. U.S.: FL-AZ; Mex.)

Dates.– Apr-Oct

Hosts.– Unknown

**HELVBOTYS** Munroe, 1976

4980 **helvalis** (Walker, 1859) (McD 5468)

*thyesalis* (Walker, 1859)

*apertalis* (Walker, [1866])

*citrina* (Grote & Robinson, 1867)

*harpalis* (Herrich-Schäffer, 1871)

*helvalis* (Forbes, 1923), missp.

Range.– I-VI (e. N.Am.: Ont.-FL/WI-TX)

Dates.– Feb-Oct

Hosts.– *Amaranthus* sp. (Amaranthaceae)

*Beta vulgaris* (Chenopodiaceae)

**SITOCHROA** Hübner, [1825]

*Spilodes* Guenée, 1854

4986 **dasconalis** (Walker, 1859) (McD 5460)

Range.– I-III (e. U.S.: MA-FL/IL-TX)

Dates.– Apr-May

Hosts.– *Baptisia tinctoria* (Leguminosae)

**SERICOPLAGA** Warren, 1892

4991 **externalis** Warren, 1892 (McD 5497) **4.21**

*macluræ* (Riley, 1893)

Range.– I-VI (e. U.S.: MD-FL/IL-TX)

Dates.– Feb, Apr, Jul, Oct, Dec

Hosts.– *Maclura pomifera* (Moraceae)

**URESIPHITA** Hübner, [1825]

*Uresiphoeta* Agassiz, [1847], emend.

*Tholeria*.– auct., part (not Hübner, [1823])

*Mecyna*.– auct., part (not Doubleday, 1849)

4992 **reversalis** (Guenée, 1854) (McD 5515) **5.31**

*hilaralis* (Herrich-Schäffer, 1871)

*deprivalis*.– (H. Druce, 1895), misid. part (not Walker, 1859)

Genista caterpillar

Range.– I-VI (N.Am.: Ont.-FL/WI-CA)

Dates.– Jan-Dec

Hosts.– *Baptisia*, *B. lactea*, *B. tinctoria* (Leguminosae)

*Cassia* sp. (Leguminosae)

*Lonicera* sp. (Caprifoliaceae)

*Lupinus* sp., *L. cumulicola*, *L. diffusus* (Leguminosae)

*Sophora tomentosa* (Leguminosae)

**LOXOSTEGE** Hübner, [1825]

*Boreophila* Guenée, 1844

*Cosmocreon* Warren, 1892

*Maroa* Barnes & McDunnough, 1914

- Polingia* Barnes & McDunnough, 1914  
*Parasitochroa* Hannemann, 1964  
 \*4994 **floridalis** Barnes & McDunnough, 1913 (McD 5483, part) **5.15**  
*albicerialis*.- Kimball, 1965 (not Grote, 1878)  
 Christmas-berry webworm  
 Range.- II-VIII (Florida)  
 Dates.- Jan-May, Sep-Dec  
 Hosts.- *Lycium carolinianum* (Solanaceae)
- PYRAUSTA** Schrank, 1802  
*Botys* Latreille, [1802-03]  
*Haematia* Hübner, [1818]  
*Pyraustes* Billberg, 1820, emend.  
*Botis* Swainson, 1821  
*Heliaca* Hübner, [1822]  
*Porphyritis* Hübner, [1825]  
*Syllythria* Hübner, [1825]  
*Panstegia* Hübner, [1825]  
*Ostreophena* Sodoffsky, 1837, repl. name  
*Ostreophana* Sodoffsky, 1837, missp.  
*Rhodaria* Guenée, 1844  
*Herbula* Guenée, 1854  
*Synchromia* Guenée, 1854  
*Cindaphia* Lederer, 1863  
*Sciorista* Warren, 1890  
*Autocosmia* Warren, 1892  
*Hyaloscia* Dognin, 1908  
*Trigonuncus* Amsel, 1952  
 5018 **demantrialis** (Druce, 1895) (McD 5518) T  
*atrisquamalis* Dognin, 1905  
*monotonigra* Amsel, 1956  
 Range.- I (e. U.S.: NY-FL/OH?-AZ; Mex.-S. Am.)  
 Dates.- Jun?-Nov  
 Hosts.- Unknown  
 5034 **signatalis** (Walker, [1866]) (McD 5633)  
*vinulenta* (Grote & Robinson, 1867)  
*virulenta* Hampson, 1899, missp.  
 Range.- I-II (N.Am.: Ont.-FL/B.C.-AZ; Mex.)  
 Dates.- Mar, Jul-Oct  
 Hosts.- *Monarda* sp. (Labiatae)  
 5037 **inornatalis** (Fernald, 1885) (McD 5632)  
*rosa* (Druce, 1895)  
 Range.- II-III (FL; TX; Mex.)  
 Dates.- Mar, Aug-Sep  
 Hosts.- Unknown  
 \*5038 **shirleyae** Munroe, 1976  
 Range.- I (Florida)  
 Dates.- Mar, Oct  
 Hosts.- Unknown  
 5040 **bicoloralis** (Guenée, 1854) (McD 5565) **5.32**  
*julialis*.- auct., part (not Walker, 1859)  
*incensalis*.- auct., part (not Lederer, 1863)  
*amiculatalis*.- auct., part (not Berg, 1876)  
*facitalis*.- auct., part (not *facetalis* Berg, 1884), missp.  
*pulchripictalis*.- auct., part (not Hampson, 1895)  
 Range.- I-V (e. N.Am.: N.S.-FL/MI-TX)  
 Dates.- Mar-Oct, Dec  
 Hosts.- Unknown  
 5042 **onythesalis** (Walker, 1859) (McD 5615)  
 Range.- I (e. U.S.: GA-FL/IA-TX)  
 Dates.- Apr-Sep
- Hosts.- *Salvia* sp. (Labiatae)  
 5044 **insignitalis** (Guenée, 1854) (McD 5615.1) T **4.34**  
*eratalis* (Walker, 1859)  
*largalis* (Walker, 1859)  
*ordinatalis* (Walker, [1866])  
*insignatalis* Kimball, 1965, missp.  
 Range.- I-VIII (se. U.S.: SC-FL/[AL]; West Indies; C.-S. Am.)  
 Dates.- Feb-Dec  
 Host.- Unknown  
 5049 **phoenicealis** (Hübner, [1818]) (McD 5613) **4.33**  
*flegialis* (Walker, 1859)  
*noraxalis* (Walker, 1859)  
 Range.- I-VIII (se. U.S.: SC-FL/AL-TX)  
 Dates.- Jan-Nov  
 Hosts.- *Hyptis capitata* (Labiatae)  
*Mesosphaerum rugosum* (Labiatae)  
 5050 **panopealis** (Walker, 1859) (McD 5613.2) T  
*coecolialis* (Walker, 1859)  
*probalis* (Walker, 1859)  
*ocellusalis* (Walker, 1859)  
*catenalis* (Walker, [1866])  
*juncturalis* (Walker, [1866])  
*concatenalis* (Walker, [1866])  
*heliamma* (Meyrick, 1885)  
 Range.- I-VIII (se. U.S.: GA-FL/AL-TX; West Indies; Mex.-S. Am.)  
 Dates.- Feb-Oct  
 Hosts.- *Dicerandra frutescens* (Labiatae)  
*Hyptis capitata* (Labiatae)  
 5051 **rubricalis** (Hübner, 1796) (McD 5619)  
*nescalis* (Walker, 1859)  
*similalis* (Lederer, 1863)  
 Range.- I (e. U.S.: SC-FL/IL-TX)  
 Dates.- May-Oct  
 Hosts.- Unknown  
 5053 **pseuderosnealis** Munroe, 1976  
 Range.- I-VI (s.U.S.: [GA]-FL/MO-TX; CA; Mex.)  
 Dates.- Jan-Aug  
 Hosts.- Unknown  
 5055 **homonymalis** Munroe, 1976 (McD 5624.1)  
*submarginalis* (Walker, [1866]), preocc.  
 (Walker, [1866])  
 Range.- I-III (e. U.S.: VA-FL/MO-TX)  
 Dates.- May-Jun  
 Hosts.- Unknown  
 5056 **generosa** (Grote & Robinson, 1867) (McD 5624) **4.36**  
 Range.- I-IV (e. N.Am.: Ont.-FL/Alb.-MO)  
 Dates.- May-Aug  
 Hosts.- Unknown  
 5058 **orphisalis** Walker, 1859 (McD 5623) **4.35**  
*ochosalis* Dyar, 1903  
 Range.- I-II (N.Am.: Newfd.-FL/B.C.-CA)  
 Dates.- Apr-Nov  
 Hosts.- *Monarda* sp. (Labiatae)  
*Satureja hortensis* (Labiatae)  
 5060 **subsequalis** (Guenée, 1854) (McD 5621/5622) T **5.33**  
*insequalis* (Guenée, 1854)  
*madetesalis* (Walker, 1859)  
*repletalis* (Walker, [1866])  
*effcitalis* (Walker, [1866])  
*graminalis* (Herrich-Schäffer, 1871)  
*matronalis* (Grote, 1875)  
*borealis*.- H. Druce, 1895, part

*madetisalis* Hampson, 1899, missp.  
Range.- I (e. N.Am.: N.S.-FL/IL-TX; West Indies; Mex.-  
Argentina)

Dates.- Apr-May, Jul-Aug, Nov

Hosts.- *Cirsium* sp. (Compositae)

5069 **tyralis** (Guenée, 1854) (McD 5629) T **20.28**

var. *erosnealis* Walker, 1859

*agathalis* (Walker, 1859)

*diffissa* (Grote & Robinson, 1867)

*bellulalis* (Hulst, 1886)

*idessa* (Druce, 1895)

Range.- I-VI (e. U.S.: NY-FL/IL-TX; West Indies; Mex.-  
Venezuela)

Dates.- Feb, Apr-Dec

Hosts.- *Bidens pilosa* (Compositae)

*Psychotria nervosa* (Rubiaceae)

5070 **laticlavata** (Grote & Robinson, 1867) (McD 5628)

f. *cinerosa* (Grote & Robinson, 1867) **5.34**

Range.- I-V (e. U.S.: NJ-FL/MO-TX/CA)

Dates.- Feb-Nov

Hosts.- Unknown

5071 **acrionalis** (Walker, 1859) (McD 5616)

*acuphisalis* (Walker, 1859)

*proceralis* (Lederer, 1863)

*rubicundalis* (Lederer, 1863), unavail.

*sumptuosalis* Walker, [1866]

*haruspica* (Grote & Robinson, 1867)

*rufifimbrialis* (Grote, 1881)

Range.- I-IV (e. N.Am.: N.S.-FL/WI-TX)

Dates.- Jan-Aug, Nov-Dec

Hosts.- Unknown

5073 **niveiciliaris** (Grote, 1875) (McD 5646)

Range.- I (e. N.Am.: Ont.-FL/WI-CO)

Dates.- Mar, May-Jun, Sep

Hosts.- Unknown

#### **HYALORISTA** Warren, 1892

*Pyraustopsis* Amsel, 1956

5077 **taeniolalis** (Guenée, 1854) (McD 5614) T

*directalis* (Walker, [1866])

Range.- III-VI (FL; TX; West Indies; Mex.-S. Am.)

Dates.- Oct-Nov

Hosts.- Unknown

#### **PORTENTOMORPHA** Amsel, 1956

*Apoecetes* Monroe, 1956

5078 **xanthialis** (Guenée, 1854) (McD 5511.1) T

*superbalis* (Walker, [1866])

*incalis* (Snellen, 1875)

*rosealis* (Möschler, 1890)

Range.- VIII (FL; TX; West Indies; Mex.-Bolivia)

Dates.- Aug

Hosts.- Unknown

#### **GONOCAUSTA** Lederer, 1863

5078.1 **sabinalis** Dyar, 1914 (McD 5509) T

Range.- VIII (FL; TX; West Indies; [Mex.])

Dates.- Aug-Sep, Dec

Hosts.- *Cardiospermum halicacabum* (Sapindaceae)

### **SPILOMELINAE**

#### **UDEA** Guenée, 1845

*Oeobia* Hübner, [1825], suppr.

*Oebia* Hübner, [1825], suppr.

*Stantira* Walker, 1863

*Melanomecyna* Butler, 1883

*Protocolletis* Meyrick, 1888

*Mnesictena* Meyrick, 1890, in syn.

*Protaulacistis* Meyrick, 1899

*Notophytis* Meyrick, 1932

5079 **rubigalis** (Guenée, 1854) (McD 5546) **5.28**

*ferrugalis*.- auct., part (not Hübner, 1796)

*oblunalis* (Lederer, 1863)

*harveyana* (Grote, 1877)

Celery leaftier

Range.- I-VI (e. N.Am.: N.S.-FL/WA-CA; Mex.-S. Am.)

Dates.- Jan-May, Sep-Dec

Hosts.- *Apium* sp. (Umbelliferae)

*Beta vulgaris* (Chenopodiaceae)

*Cynara scolymus* (Compositae)

*Phaseolus* sp. (Leguminosae)

*Spinacia oleracea* (Chenopodiaceae)

#### **NEOLEUCINODES** Capps, 1958

5102 **prophetica** (Dyar, 1914) (McD 5420.3) T **5.9**

*minimalis* (Amsel, 1956)

Range.- IV-VIII (FL; West Indies; Venezuela)

Dates.- Mar-May, Jul, Nov-Dec

Hosts.- *Solanum erianthus* (Solanaceae)

#### **LINEODES** Guenée, 1854

*Scoptonoma* Zeller, 1873

*Ciraphorus* Dyar, 1910

5106 **fontella** Walsingham, 1913 (McD 5673.1) **6.3**

*contortalis*.- auct., part (not Guenée, 1854)

**4.2** Range.- I-VI (se. U.S.: SC?-FL/AR?-TX; Mex.)

Dates.- Jan-Dec

Hosts.- Unknown

5107 **integra** (Zeller, 1873) (McD 5674) T **6.4**

Eggplant leafroller

Range.- I-VIII (U.S.: IN?-FL/CO-TX; Mex.)

Dates.- Jan-Dec

Hosts.- *Physalis* sp. (Solanaceae)

*Solanum drymophilum*, *S. jasminoides*, *S. melon-*  
*gena* var. *esculentum*, *S. radula* (Solanaceae)

5108 **interrupta** (Zeller, 1873) (McD 5675) T

Range.- VI (FL; TX; West Indies; Mex.-C.Am.)

Dates.- ? (stray?)

Hosts.- Unknown

5109 **triangulalis** (Möschler, 1890) (McD 5676) T

*cyclophora* Hampson, 1913

*triangularis* Beccari & Gerini, 1969, missp.

Range.- IV-VIII (FL; West Indies; Mex.)

Dates.- May, Sep

Hosts.- *Capsicum frutescens* (Solanaceae)

#### **ATOMOPTERYX** Walsingham, 1891

*Stenoptycha* Zeller, 1863, preocc. (Agassiz,  
1862)

*Zellerina* de la Torre y Callejas, 1958

5110 **solanalalis** (Barnes & McDunnough, 1913) (McD  
5677) T

Range.- V-VIII (FL; West Indies)

Dates.- Jan, Mar-Apr, Nov

Hosts.- *Solanum* sp. (Solanaceae)

#### **ERCTA** Walker, 1859

*Erota* Walker, 1859, missp.

- 5111 **vittata** (Fabricius, 1794) (McD 5359.1) T  
*hemialis* (Guenée, 1858)  
*tipulalis* (Walker, 1859)  
*torquillalis* (Möschler, 1890)  
*torquittalis* (Hampson, 1899), missp.  
*valsaynalis* (Kaye, 1925)

Range.- VIII (FL; West Indies; [Mex.?]-Brazil)

Dates.- Jan, Mar, Jun-Sep, Nov

Hosts.- *Euclasta torquillalis* (Gramineae)

#### DIAPHANTANIA Möschler, 1890

*Diaphantia* Wolcott, 1924, missp.

- 5114 **impulsalis** (Herrich-Schäffer, 1871) (McD 5420.1) T

Range.- V-VIII (FL; West Indies)

Dates.- Feb-May, Jul-Sep, Nov

Hosts.- Unknown

#### LOXOSTEGOPSIS Dyar, 1917, emend.

*Loxotegopsis* Dyar, 1917, missp.

- 5117 **merrickalis** (Barnes & McDunnough, 1918) (McD 5649) **4.39**

Range.- I-IV (e. U.S.: NY-FL/IL-TX)

Dates.- Feb-May, Jul-Sep

Hosts.- Unknown

#### SUFETULA Walker, 1859

*Mirobriga* Walker, 1863

*Loetrina* Walker, 1863

*Pseudochoreutis* Snellen, 1880

*Safetula* Hampson, 1893, missp.

*Pseudochoreutis* Hampson, 1899, missp.

*Nannamorphia* Turner, 1908

- 5120 **diminutalis** (Walker, [1866]) (McD 5351) T **14.33**  
*dematralis* (Druce, 1895)

Range.- II-V (FL; West Indies; Mex.-Panama)

Dates.- Apr-May, Jul, Nov

Hosts.- *Elaeis* sp. (Palmae)

#### MICROPHYSETICA Hampson, 1917

*Falx* Amsel, 1956, preocc. (Gouan, 1770)

*Falcimorpha* Amsel, 1957

- 5121 **hermeasalis** (Walker, 1859) (McD 5352) T

*nymphulalis* (Hampson, 1906)

*philogelos* (Dyar, 1922)

*sinuosalis* (Amsel, 1956)

Range.- V-VIII (FL; West Indies; Mex.-Venezuela)

Dates.- May-Jun, Nov-Dec

Hosts.- Unknown

#### EURRHYPARODES Snellen, 1880

*Molybdantha* Meyrick, 1884

- 5122 **lygdamis** Druce, 1902 (McD 5364) T

*lydanus* Dyar, 1914, missp.

Range.- I-VIII (se. U.S.: FL-TX; Mex.-Brazil)

Dates.- Mar-May, Aug-Sep, Nov-Dec

Hosts.- Unknown

#### DEUTEROPHYSA Warren, 1889

*Gonopionea* Hampson, 1913

- 5123 **fernaldi** Munroe, 1983 (McD 5631) T **4.40**

*costimaculalis* (Fernald, 1901), preocc. (not Warren, 1889)

Range.- III-VIII (FL; West Indies)

Dates.- Jan-Oct, Dec

- 4.1** Hosts.- *Psychotria nervosa* (Rubiaceae)

#### GESHNA Dyar, 1906

- 5126 **cannalis** (Quaintance, 1899) (McD 5717) T **6.5**

*camalis* (Klima, 1937), missp.

Lesser canna leafroller

Range.- I-V (se. U.S.: SC?-FL/AR?-TX; West Indies; Mex.)

Dates.- Feb-May, Jul-Aug, Nov-Dec

Hosts.- *Canna* sp., *C. flaccida*, *C. indica* (Cannaceae)

*Lilium* sp. (Lilaceae)

*Thalia geniculata* (Marantaceae)

*Zantedeschia* sp. (Araceae)

- 4.17** **HYDRIRIS** Meyrick, 1885

*Spanista* Lederer, 1863, preocc. (Forster, 1862)

*Antiercta* Amsel, 1956

- 5127 **ornatalis** (Duponchel, 1831) (McD 5358) T **8.30**

*saturnalis* (Treitschke, 1835)

*bifascialis* (Heeger, 1838)

*saturnalis* auct., missp.

*deciusalis* (Walker, 1859)

*invenustalis* (Walker, [1866])

*fraterna* (Butler, 1875)

*elutalis*.- Strand, 1918, part (not Walker, 1859)

Range.- II-VIII (FL [introd.?]; West Indies-Venezuela; Europe-Asia; Africa)

Dates.- Jan-Dec

Hosts.- Unknown

#### MECYNA Doubleday, 1849

- 5135 **submedialis** (Grote, 1876) (McD 5586) **4.29**

*dissectalis* (Grote, 1880)

*pilalis* (Hulst, 1886)

Range.- I-III (e. N.Am.: Ont.-FL/IL-AZ)

Dates.- ?

Hosts.- Unknown

#### MIMORISTA Warren, 1890

- 5141 **tristigmalis** (Hampson, 1898) (McD 5375) T **8.39**

*extremalis* (Schaus, 1920)

Range.- IV-VIII (FL; West Indies)

Dates.- Jan-Apr, Jul, Nov-Dec

Hosts.- Unknown

#### DIACME Warren, 1892

- 5142 **elealis** (Walker, 1859) (McD 5427) **20.29**

*taedialis* (Walker, 1859)

Range.- I-VIII (se. U.S.: VA-FL/AR-TX; Mex.)

Dates.- Jan-Dec

Hosts.- Unknown

- 5143 **adipaloides** (Grote & Robinson, 1867) (McD 5427.1)

Range.- I-VIII (U.S.: NY-FL/IL-TX) **20.30**

Dates.- Jan-Feb, Jun-Jul, Sep-Nov

Hosts.- Unknown

- 5144 **phyllisalis** (Walker, 1859) (McD 5427.2) T **20.31-32**

*aulicalis* (Möschler, 1886)

Range.- I-VII (se. U.S.: FL-TX; West Indies; [Mex.])

Dates.- Jan-Jun, Nov-Dec

Hosts.- Unknown

- 5145 **mopsalis** (Walker, 1859) (McD 5429) T **20.33-34**

*mettiusalis* (Walker, 1859)

*togalis* (Lederer, 1863)  
*griseicinctalis* (Hampson, 1913)  
*griseicinctus* (Kimball, 1965), missp.  
 Range.- I-VIII (se. U.S.: SC?-FL/AR?-TX; West Indies; Mex.-Venezuela)  
 Dates.- Jan-Dec  
 Hosts.- Unknown

**EPIPAGIS** Hübner, [1825]

*Stenophyes* Lederer, 1863  
*Epipages* Hampson, 1918, missp.  
 \*5146 **forsythae** Munroe, 1955 (McD 5451.1)  
 Range.- III-VII (Florida)  
 Dates.- Feb-Jul, Oct-Dec  
 Hosts.- Unknown

5147 **huronalis** (Guenée, 1854) (McD 5452)  
*fenestralis* (Hübner, 1796), nom. oblit.  
*serinalis* (Walker, 1859)  
 Range.- I-VI (se. U.S.: NC-FL/TN-TX)  
 Dates.- Mar-Dec  
 Hosts.- Unknown

**NIPHOGRAPTA** Warren, 1892

*Sameodes*.- auct. (not Snellen, 1880)  
*Pessocosma* Meyrick, 1884  
 5149 **albiguttalis** (Warren, 1889) (McD --) T  
 Waterhyacinth moth  
 Range.- I-VI (s. U.S.: FL-TX; CA [introd.]; Trinidad to Argentina)  
 Dates.- Jan, Mar, May-Jul, Nov  
 Hosts.- *Eichhornia azurea*, *E. crassipes* (Pontederiaceae),  
*E. azurea*  
*Pontederia cordata* (Pontederiaceae)

**SAMEA** Guenée, 1854

*Isopteryx* Guenée, 1854, preocc. (Pictet, 1841)  
*Pterygus* Butler, 1886, repl. name  
 5150 **ecclesialis** Guenée, 1854 (McD 5365) T  
*castellalis* Guenée, 1854  
*lucusalis* Walker, 1859  
*disertalis* Walker, [1866]

Range.- I-VI (se. U.S.: NC-FL/LA-TX; Mex.-Brazil)  
 Dates.- Jan-Dec  
 Hosts.- Unknown

5151 **multiplicalis** (Guenée, 1854) (McD 5366) T  
*discessalis* Walker, [1866]  
*nicaeusalis*.- auct., part (not Walker, 1859)

Range.- I-VI (se. U.S.: SC?-FL/LA-TX; Mex.-Brazil)  
 Dates.- Jan-Dec  
 Hosts.- *Azolla caroliniana* (Azollaceae)

*Eichhornia crassipes* (Pontederiaceae)  
*Pistia stratiotes* (Araceae)  
*Salvinia rotundifolia* (Salviniaceae)

5152 **baccatalis** (Hulst, 1886) (McD 5477)  
 Range.- I-III (se. U.S.: GA?-FL/AL-TX; Mex.)  
 Dates.- Apr-Dec  
 Hosts.- Unknown

**CROCIDOCNEMIS** Warren, 1889

*Somatania* Möschler, 1890  
*Somatamia* Kimball, 1965, missp.  
 5153 **pellucidalis** (Möschler, 1890) (McD 5721.2) T  
*suffusalis* (Hampson, 1899)

*samealis* (Dyar, 1914)

Range.- III-VIII (FL; [TX?]; West Indies; Mex.-Argentina)  
 Dates.- Jan, Mar-Apr, Jun-Nov  
 Hosts.- Unknown

**LOXOMORPHA** Amsel, 1956

*Chrysobotys* Monroe, 1956  
 5154 **cambogialis** (Guenée, 1854) (McD 5425.1) T  
 Range.- VIII (FL; West Indies-Venezuela)  
 Dates.- Jun-Sep  
 Hosts.- Unknown  
 5155 **flavidissimalis** (Grote, 1878) (McD 5430) T  
 Range.- VIII (FL; West Indies)  
 Dates.- May, Jul  
 Hosts.- Unknown

**5.13****NOMOPHILA** Hübner, [1825]

*Stenopteryx* Guenée, 1844, preocc. (Meigen, 1830)  
*Macronomeutis* Meyrick, 1936  
 5156 **nearctica** Munroe, 1973 (McD 5455)  
*noctuella*.- auct., part (not [Denis & Schiffermüller], 1775)  
 American celery webworm  
 Range.- I-VIII (N.Am.: Labr.-FL/B.C.-CA; West Indies; Mex.-Guatemala)  
 Dates.- Jan-Dec  
 Hosts.- *Apium* sp. (Umbelliferae)  
*Polygonum* sp. (Polygonaceae)  
*Trifolium* sp. (Leguminosae)  
 grass (Gramineae)

**5.14****RHECTOCRASPEDA** Warren, 1892

*Pilemia* Möschler, 1882, preocc. (Fairmaire, 1863)  
*Rhectothyris*.- auct. (not Warren, 1890)  
*Rapoona* Hedemann, 1894  
*Rapona* Schaus, 1940, missp.  
 5157 **periusalis** (Walker, 1859) (McD 5456) T  
*deformalis* (Möschler, 1882)  
*tristis* (Hedemann, 1894)  
*perfusalis* (Forbes, 1923), missp.  
 Eggplant webworm  
 Range.- I-VIII (se. U.S.: FL-TX; West Indies)  
 Dates.- Jan-Jun, Aug-Dec  
 Hosts.- *Capsicum* sp. (Solanaceae)  
*Lycopersicon esculentum* (Solanaceae)  
*Nicotiana tabacum* (Solanaceae)  
*Solanum elaeagnifolium*, *S. melongena* var. *esculentum*,  
*S. nigrum*, *S. torvum* (Solanaceae)

**5.18****MARUCA** Walker, 1859

*Maruea* Walker, 1859, missp.  
*Siriocauta* Lederer, 1863  
 5157.1 **vitratata** (Fabricius, 1787) (McD --) T  
*testulalis* (Geyer, 1832)  
*aquitilis* (Guérin-Ménéville, [1832])  
*bifenestralis* (Mabille, 1880)  
*aquatilis* Shibuya, 1928, missp.  
 Bean pod borer; Mung moth  
 Range.- VI-VIII (FL [introd.]; West Indies-S.Am.; Old World tropics)  
 Dates.- Mar, May (stray)  
 Hosts.- *Cajanus cajan* (Leguminosae)

**6.7**

- Dolichos lablab* (Leguminosae)  
*Psophocarpus tetragonolobus* (Leguminosae)  
*Vigna* sp. (Leguminosae)
- ATEGUMIA** Amsel, 1956  
*Ategunia* Bendicho-L., 1998, missp.  
 5158 **ebulealis** (Guenée, 1854) (McD 5387) T **20.35**  
 Clidemia leafroller  
 Range.- I-VIII (se. U.S.: GA?-FL/LA-TX; West Indies-Venezuela?)  
 Dates.- Jan, Mar-Apr, Jun-Dec  
 Hosts.- *Clidemia* sp. (Melastomaceae)  
*Heterotrichum umbellatum* (Melastomaceae)
- DESMIA** Westwood, 1831  
*Aediodes* Guenée, 1854  
*Hyalitis* Guenée, 1854  
*Arna* Walker, 1875  
 5159 **funeralis** (Hübner, 1796) (McD 5355) **8.26-27**  
 Grape leaf folder  
 Range.- I-VIII (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Feb-Dec  
 Hosts.- *Cercis* sp., *C. canadensis* (Leguminosae)  
*Oenothera* sp. (Onagraceae)  
*Vitis* sp., *V. rufofomentosa* (Vitaceae)  
 5160 **maculalis** Westwood, 1831 (McD 5355, part)  
 Range.- I-V (e. U.S.: VA-FL/KY-TX)  
 Dates.- Feb-Sep, Dec  
 Hosts.- Unknown  
 5161 **subdivisalis** Grote, 1871 (McD 5355.1) T **14.35**  
*nominabilis* E. Hering, 1906  
 Range.- II-IV (FL; TX; West Indies; Mex.)  
 Dates.- Apr, Aug  
 Hosts.- Unknown  
 5162 **ufeus** (Cramer, 1777) (McD 5355.5) T **14.36**  
*orbalis* (Guenée, 1854)  
*prognealis* Walker, 1859  
*bulisalis* Walker, 1859  
*divisalis* Walker, [1866]  
*viduatalis* Möschler, 1890  
 Range.- II-VII (FL; West Indies-S. Am.)  
 Dates.- Jan-Dec  
 Hosts.- *Cissus sicyoides* (Vitaceae)  
 5164 **tages** (Cramer, 1777) (McD 5356) T **14.38**  
*tagesalis* (Guenée, 1854), emend.  
*sertorialis* Herrich-Schäffer, 1871  
 Range.- III-VIII (FL; West Indies-S. Am.)  
 Dates.- Jan-Dec  
 Hosts.- *Ligustrum recurvata* (Oleaceae)  
*Psychotria* sp., *P. nervosa* (Rubiaceae)  
 5166 **deploralis** Hampson, 1912 (McD 5355.3) T  
 Range.- II-VIII (FL; West Indies-S. Am.)  
 Dates.- Jan, Mar-Apr, Oct-Dec  
 Hosts.- *Psychotria nervosa* (Rubiaceae)  
 5167 **ploralis** (Guenée, 1854) (McD 5355.4) T **8.28**  
*propinquialis* Möschler, 1880  
*repandalis* Schaus, 1920  
 Range.- III-VIII (FL; West Indies; Mex.-S. Am.) **14.27**  
 Dates.- Jan-May, Jul, Oct-Dec  
 Hosts.- *Ludwigia peruviana* (Onagraceae)  
*Psychotria nervosa* (Rubiaceae)  
 5168.1 **microstictalis** Hampson, 1904 (McD --) T  
 Range.- VIII (FL; West Indies-S. Am.)  
 Dates.- Nov
- Hosts.- Unknown
- HYMENIA** Hübner, [1825]  
*Zinckenia* Zeller, 1852  
 5169 **perspectalis** (Hübner, 1796) (McD 5353) **8.24**  
*phrasiusalis* (Walker, 1859)  
*perspectalia* Brown & Allen, 1974, missp.  
 Spotted beet webworm  
 Range.- I-VIII (e. U.S.: ME-FL/MI-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Alternanthera* sp., *A. ficoidea* 'Amoena', *A. philoxeroides*, *A. pungens* (Amaranthaceae)  
*Amaranthus* sp., *A. gracilis*, *A. hybridus*, *A. spinosus* (Amaranthaceae)  
*Beta* sp., *B. vulgaris* (Chenopodiaceae)  
*Eclipta prostrata* (Compositae)  
*Eleutheranthera ruderalis* (Compositae)  
*Gomphrena globosa* (Amaranthaceae)  
*Ligustrum japonicum* (Oleaceae)  
*Lilium* sp., *L. canadense* (Liliaceae)  
*Melanthera canescens* (Compositae)  
*Synedrella nodiflora* (Compositae)  
*Verbesina alba* (Compositae)  
*Wedelia trilobata* (Compositae)
- SPOLADEA** Guenée, 1854  
 5170 **recurvalis** (Fabricius, 1794) (McD 5354) T **8.25**  
*recurvella* (Zincken, 1818)  
*animalis* (Guenée, 1854)  
*fascialis*- auct., part (not Cramer, 1782)  
*ancylosema* (Dognin, 1909)  
 Hawaiian beet webworm  
 Range.- I-VIII (e. U.S.: NY-FL/IL-TX; Mex.-S. Am.; Hawaii [introd.])  
 Dates.- Jan-Dec **14.36**  
 Hosts.- *Amaranthus* sp., *A. hybridus*, *A. retroflexus*, *A. spinosus* (Amaranthaceae)  
*Beta* sp., *B. vulgaris* (Chenopodiaceae)  
*Brassica* sp. (Cruciferae)  
*Celosia* sp., *C. argentea* var. *cristata* (Amaranthaceae)  
*Eruca sativa* (Cruciferae)  
*Mirabilis jalapa* (Nyctaginaceae)  
*Portulaca* sp. (Portulacaceae)  
*Spinacia* sp. (Chenopodiaceae)
- DIASEMIOPSIS** Munroe, 1957  
*Diasemopsis* Kimball, 1965, missp.  
 5171 **leodocusalis** (Walker, 1859) (McD 5498.1) **5.24**  
*ramburialis*- auct., part (not Duponchel, 1834)  
 Range.- I-VIII (Gulf Coast: FL-TX)  
 Dates.- Jan-Dec  
 Hosts.- Unknown
- DIASEMIODES** Munroe, 1957  
*Diasemoides* Kimball, 1965, missp.  
*Diasemodes* Rings & Rings, 2001, missp.  
 5172 **janassialis** (Walker, 1859) (McD 5500) **5.26**  
*hariolalis* (Hulst, 1886)  
 Range.- I-VIII (Gulf Coast: FL-TX)  
 Dates.- Jan-Dec  
 Hosts.- Unknown  
 5173 **nigralis** (Fernald, 1892) (McD 5499) **5.25**

- Range.- I-VI (Gulf Coast: FL-TX)  
 Dates.- Jan-Dec  
 Hosts.- Unknown  
 5173.1 **eudamidasalis** (Druce, 1899) (McD 5509.1) T **4.24**  
 Range.- VI-VIII (FL; West Indies)  
 Dates.- Mar-May, Jul, Sep-Nov  
 Hosts.- Unknown
- DIATHRAUSTA** Lederer, 1863  
*Tripodaula* Meyrick, 1933  
*Triplodaula* Monroe, 1956, missp.  
 5174 **reconditalis** (Walker, 1859) (McD 5719)  
 Range.- I-II (e. N.Am., Ont.-FL/MI?-TX)  
 Dates.- Feb-Apr, Jun  
 Hosts.- Unknown [relict cedar forests]  
 5175 **harlequinialis** Dyar, 1913 (McD 5719.1)  
*harliquinialis* Kimball, 1965, missp.  
 a) **lauta** Munroe, 1956  
 Range.- III-VI (Florida) [subsp.: Que.-AZ]  
 Dates.- Mar-May, Jul-Oct  
 Hosts.- Unknown [?*Selaginella arenicola* (Selaginella-  
 ceae)]
- ANAGESHNA** Munroe, 1956  
 5176 **primordialis** (Dyar, 1907) (McD 5718)  
 Range.- I-VIII (e. U.S.: NY-FL/IL-TX)  
 Dates.- Feb-Nov  
 Hosts.- *Rhapis excelsa* [roots] (Palmae)
- APOGESHNA** Munroe, 1956  
*Euvalva* Amsel, 1956  
 5177 **stenialis** (Guenée, 1854) (McD 5393) **20.36**  
*australis* (Hulst, 1886)  
 Range.- I-VIII (e. U.S.: NY-FL/IL-TX)  
 Dates.- Mar-Jul, Sep-Oct  
 Hosts.- Unknown
- STENIODES** Snellen, 1875  
*Heringia* Hedemann, 1894, preocc. (Rondani, 1856)  
*Heringiella* Berg, 1898, repl. name  
*Scaecocerandra* Meyrick, 1936  
 5178 **mendica** (Hedemann, 1894) (McD 5721) (McD --) T **5.36**  
*indianalis* (Dyar, 1915)  
*gelliasalis*.- auct., part (not Walker, 1859)  
*ceddalis* (Schaus, 1924)  
 Range.- I-VIII (Gulf Coast: FL-TX; West Indies; Mex.)  
 Dates.- Jan-Dec  
 Hosts.- Unknown
- PENESTOLA** Möschler, 1890  
 5179 **bufalis** (Guenée, 1854) (McD 5722) T **5.37**  
*praeficalis* Möschler, 1890  
*stercoralis*.- auct., part (not Möschler, 1881)  
 Range.- III-VIII (FL; West Indies)  
 Dates.- Jan-Dec  
 Hosts.- Unknown  
 5180 **simplicialis** (Barnes & McDunnough, 1913) (McD 5723) T **6.8**  
 Range.- III-VIII (FL; West Indies)  
 Dates.- Feb-Aug, Oct, Dec  
 Hosts.- Unknown
- BLEPHAROMASTIX** Lederer, 1863  
*Sozoa* Walker, [1866]  
*Ichthyoptila* Meyrick, 1936  
 5182 **ranalis** (Guenée, 1854) (McD 5392)  
*archasialis* (Walker, 1859)  
*ofellusalis* (Walker, 1859)  
*olliusalis* (Walker, 1859)  
*strictalis* (Walker, [1866])  
*gracilis* (Grote & Robinson, 1867)  
 Range.- I-VIII (e. N.Am.: Ont.-FL/IL-TX; Mex.)  
 Dates.- Mar-Sep, Dec  
 Hosts.- *Chenopodium* sp. (Chenopodiaceae)  
 5185 **achroalis** (Hampson, 1913) (McD 5611) T **4.32**  
 Range.- III-VIII (FL; West Indies)  
 Dates.- Jan-Mar, May-Aug, Oct-Dec  
 Hosts.- Unknown  
 5191 **schistisemalis** (Hampson, 1912) (McD 5384.1) T  
 Range.- III-VI (FL; West Indies- Argentina) **8.44**  
 Dates.- Jan-Aug, Oct-Dec  
 Hosts.- Unknown  
 [5192: *hampsoni* (Barnes & McDunnough, 1913), moved to *Lygropia*, 5251.1]  
 [5193: *eudamidasalis* (Druce, 1899), moved to *Diasemio-*  
*des*, 5173.1]
- 6.6 HILEITHIA** Snellen, 1875  
 5187 **magualis** (Guenée, 1854) (McD 5391) **4.12**  
*magnalis* auct., missp.  
*medealis* (Walker, 1859)  
*belusalis* (Walker, 1859)  
*curtalis* (Walker, [1866])  
 Range.- I-VII (e. U.S.: NC?-FL/IL-TX)  
 Dates.- Apr-Dec  
 Hosts.- Unknown  
 5188 **apicalis** (Guenée, 1854) (McD 5388)  
*xeniolalis* (Hulst, 1886)  
 Range.- I-VI (se. U.S.: FL-TX)  
 Dates.- Feb-Aug  
 Hosts.- *Blechnum brownei* (Acanthaceae)  
 5190 **differentialis** (Dyar, 1914) (McD 5387.1) T **4.11**  
 Range.- II-VIII (FL; West Indies; C. Am.)  
 Dates.- Mar-Apr, Jul-Dec  
 Hosts.- ?*Baccharis* sp. [resting site?] (Compositae)  
*Blechnum brownei* (Acanthaceae)
- SYSRACERA** Möschler, 1890  
*Araschnopsis* Amsel, 1956  
*Araschropsis* Knudson & Bordelon, 1999, missp.  
 5194 **subulalis** (Guenée, 1854) (McD --) T  
*preciosalis* (Möschler, 1881)  
*pretiosalis*.- auct., missp.  
 Range.- VI (FL; TX; West Indies; Mex.-Brazil)  
 Dates.- Sep  
 Hosts.- Unknown  
 5194.1 **inabsconsalis** (Möschler, 1890) (McD --) T **6.2**  
 Range.- VIII (FL; West Indies)  
 Dates.- Dec  
 Hosts.- Unknown
- EULEPTE** Hübner, [1825]  
 5195 **anticostalis** (Grote, 1871) (McD 5374) **4.9**  
*levalis* (Hulst, 1886)  
*inguinalis*.- auct., part (not Guenée, 1854)  
 Range.- I-VI (se. U.S.: [GA]-FL/[AL]-MS)



Dates.- Apr, Jul-Oct

Hosts.- Unknown

**SYNCLERA** Lederer, 1863

*Synctera* Möschler, 1886, missp.

5196 **jarbusalis** (Walker, 1859) (McD 5357) T **8.29**

*traducalis*.- auct., part (not Zeller, 1852)

*retinalis*.- auct., part (not Lederer, 1857)

*univocalis*.- auct., part (not Walker, 1859)

*cottalis* (Walker, 1859)

*chlorophasma*.- auct., part (not Butler, 1878)

Range.- I-VIII (FL; TX; West Indies; Mex.-C. Am.)

Dates.- Jan, Mar-Apr, Jul-Dec

Hosts.- Unknown

**GLYPHODES** Guenée, 1854

*Morocosma* Lederer, 1863

5197 **pyloalis** Walker, 1859 (McD 5412) T **8.50**

*sypharis* (Butler, 1878)

Mulberry moth

Range.- I-IV (se. U.S. [intro]: FL-TX; [Mex.?]; Asia)

Dates.- Mar-May, Jul-Nov

Hosts.- *Ficus* sp. (Moraceae)

*Morus* sp. (Moraceae)

5198 **sibillalis** Walker, 1859 (McD 5420) T **8.51**

*bivitalis*.- auct., part (not Guenée, 1854)

*impuralis* (Herrich-Schäffer, 1871)

*batesi* R. Felder & Rogenhofer, 1875

*alitalis* Hulst, 1886

*atlitalis* Munroe, 1983, missp.

Mulberry leaf-tier

Range.- I-VIII (FL; TX; West Indies; Mex.-Brazil)

Dates.- Jan, Mar, May-Dec

Hosts.- *Morus alba*, *M. rubra* (Moraceae)

\*5199 **floridalis** (Fernald, 1901) (McD 5362) T

Range.- IV-VIII (Florida)

Dates.- Jan, Mar-May, Aug, Oct-Dec

Hosts.- *Gonolobus palustris* (Asclepiadaceae)

**COLOMYCHUS** Munroe, 1956

5200 **talis** (Grote, 1878) (McD 5370) **8.36**

*florepecta*.- auct., part (not Dyar, 1914)

Range.- I-VI (Gulf Coast: FL-TX)

Dates.- Apr-Sep, Nov

Hosts.- Unknown

**DIAPHANIA** Hübner, [1818]

*Eudoptis* Hübner, [1823]

*Diaphania* Stephens, 1829, preocc. (Hübner, [1818])

*Phakellura* Guilding, 1830

*Phacellura* Lederer, 1863, missp.

*Eudiptes* Saunders, 1851, missp.

*Sestia* Snellen, 1875

5201 **olealis** (Felder & Rogenhofer, 1874) (McD 5414) T

Range.- IV-VIII (FL; West Indies-Brazil)

Dates.- Apr, Jul, Nov

Hosts.- Unknown

5202 **nitidalis** (Stoll, 1781) (McD 5415) T **5.4**

*vitalis* (Hübner, [1818])

*fumosalis*.- auct., part (not Guenée, 1854)

*praxialis*.- auct., part (not Druce, 1895)

Pickleworm

Range.- I-VIII (e. U.S.: ME-FL/ME-TX; West Indies;

Mex.-Argentina)

Dates.- Jan-Dec

Hosts.- *Citrullus vulgaris* (Cucurbitaceae)

*Cucumis* sp., *C. melo*, *C. sativus* (Cucurbitaceae)

*Cucurbita* sp., *C. maxima*, *C. moschata*, *C. pepo* (Cucurbitaceae)

*Echinocystis lobata* (Cucurbitaceae)

*Melothria pendula* (Cucurbitaceae)

5204 **hyalinata** (Linnaeus, 1767) (McD 5418) T **5.6**

*marginalis* (Stoll, 1781)

*lucernalis* (Hübner, 1796)

*hyalinatalis* (Guenée, 1854), emend.

*sapillitalis* (Weyenbergh, 1873)

*hyalina* (Berg, 1875), missp.

*zapillitalis* Munroe, 1983, missp.

Melonworm

Range.- I-VIII (e. N.Am.: Que.-FL/Man.-TX; West Indies; Mex.-Argentina)

Dates.- Jan-Dec

Hosts.- *Citrullus vulgaris* (Cucurbitaceae)

*Cucumis* sp., *C. melo*, *C. sativus* (Cucurbitaceae)

*Cucurbita* sp., *C. maxima*, *C. medullosa*, *C. moschata*, *C. pepo* (Cucurbitaceae)

*Echinocystis lobata* (Cucurbitaceae)

*Lagenaria* sp. (Cucurbitaceae)

*Luffa* sp. (Cucurbitaceae)

*Momordica charantia* (Cucurbitaceae)

*Sechium edule* (Cucurbitaceae)

*Solanum melongena* var. *esculentum* (Solanaceae)

5205 **modialis** (Dyar, 1912) (McD 5416) T **5.5**

Range.- I-VIII (Gulf Coast: FL-TX; West Indies; Mex.)

Dates.- Jan-Dec

Hosts.- *Melothria pendula* (Cucurbitaceae)

*Momordica charantia* (Cucurbitaceae)

5207 **indica** (Saunders, 1851) (McD 5418.1) T **5.7**

*hyalinalis*.- (Boisduval, 1833), part (not Linnaeus, 1767), emend.

*capensis* (Zeller, 1852)

*gazorialis* (Guenée, 1854)

*zygaenalis* (Guenée, 1854)

*cucurbitalis* (Guenée, 1863)

Exotic pumpkin caterpillar

Range.- II-VIII (FL [intro.]; TX; West Indies; Mex.-S. Am.; se. Asia; Africa)

Dates.- Jan, May-Dec

Hosts.- *Citrullus vulgaris* (Cucurbitaceae)

*Cucurbita* sp., *C. maxima* (Cucurbitaceae)

5208 **lualis** (Herrich-Schäffer, 1871) (McD 5420.2) T **5.8**

Range.- IV-VI (FL; West Indies)

Dates.- Jan, May-Jun, Sep-Dec

Hosts.- Unknown

**LEUCOCHROMA** Guenée, 1854

5210 **corope** (Stoll, 1781) (McD 5362.1) T

*splendidalis* (Stoll, 1781)

*corrivalis* (Hübner, [1825]), repl. name

*coropealis* Guenée, 1854, emend.

*selectalis* (Walker, [1866])

*minoralis* Warren, 1889

*mineralis* Hampson, 1898, missp.

Range.- IV-VIII (FL; West Indies-S. Am.)

Dates.- Jan-Jun, Aug, Nov-Dec

Hosts.- Unknown

**OMIODES** Guenée, 1854

*Lonchodes* Guenée, 1854, preocc. (Gray, 1835)

*Spargeta* Lederer, 1863

*Coenostola* Lederer, 1863

*Hedylepta* Lederer, 1863

*Hedylepta* Lederer, 1863, missp.

*Deba* Walker, [1866]

*Phycidicera* Snellen, [1880]

*Pelecyntis* Meyrick, 1884

*Charema* Moore, 1888

*Loxocreon* Warren, 1892

*Merotoma* Meyrick, 1894

*Coenolestes* Whalley, 1962, missp.

5211 **simialis** Guenée, 1854 (McD 5381.1) T

*jasonalis* (Walker, 1859)

*orontesalis* (Walker, 1859)

*eruptalis* (Lederer, 1863)

Range.- III-VIII (FL; West Indies-S. Am.)

Dates.- Mar, May, Aug, Oct-Dec

Hosts.- *Dalbergia ecastophyllum* (Leguminosae)

5212 **indicata** (Fabricius, 1775) (McD 5385) T

*vulgalis* (Guenée, 1854)

*sabalis* (Walker, 1859)

*moeliusalis* (Walker, 1859)

*connexalis* (Walker, [1866])

*reductalis* (Walker, [1866])

*dolosalis* (Möschler, 1881)

*fortificalis* (Möschler, 1890)

*vulgaris* (Dognin, 1909), missp.

ab. *pigralis* (Dognin, 1909)

Bean leaf webber

Range.- I-VIII (Gulf Coast: FL-TX; West Indies; Mex.-S. Am.)

Dates.- Jan-Dec

Hosts.- *Desmodium tortuosum* (Leguminosae)

*Glycine max* (Leguminosae)

*Lantana camara* (Verbenaceae)

*Meibomia purpurea* (Leguminosae)

*Phaseolus* sp., *P. limensis* (Leguminosae)

*Pisum* sp. (Leguminosae)

*Vigna repens* (Leguminosae)

5213 **rufescens** (Hampson, 1912) (McD 5375.1/5405) T

*miamialis* (Schaus, 1917)

Range.- VI-VIII (FL; West Indies)

Dates.- Jan, Mar-Jul, Sep-Oct, Dec

Hosts.- Unknown

5214 **stigmatalis** (Warren, 1892) (McD 5519) T

*exogrammalis* (Dyar, 1914)

Range.- VI-VIII (FL; West Indies; C. Am.-Brazil)

Dates.- Mar-Aug, Oct-Dec

Hosts.- Unknown

**CONDYLORRHIZA** Lederer, 1863

5215 **vestigialis** (Guenée, 1854) (McD 5512)

*illutalis* (Guenée, 1854)

f. *tritalis* (Walker, 1859)

*mestoralis* (Walker, 1859)

*oratalis* (Hulst, 1886)

*syleptalis* (Strand, [1920])

*ortalis* Munroe, 1983, missp.

Range.- I-VI (e. U.S.: NY-FL/MO-TX)

Dates.- Mar, May-Nov

Hosts.- *Dovyalis* sp., *D. abyssinica* (Flacourtiaceae)

*Populus* sp. (Salicaceae)

*Salix* sp. (Salicaceae)

**PALPITA** Hübner, [1808]

*Hapalia* Hübner, [1818]

*Conchia* Hübner, [1821]

*Margaronia* Hübner, [1825]

*Paradosis* Zeller, 1852

*Margarodes* Guenée, 1854, preocc. (Guilding, 1829)

*Sarothronota* Lederer, 1863

*Sebunta* Walker, 1863

*Ledereria* Marschall, 1873, repl. name

*Hvidodes* Swinhoe, 1900, repl. name

*Apyrausta* Amsel, 1951

5217 **flegia** (Cramer, 1777) (McD 5413) T

*virginalis* (Hübner, [1825]), repl. name

*flegialis* (Poey, 1832), emend.

*villosalis* (Zeller, 1852)

*flegyalis* (Guenée, 1854), emend.

*phantasmalis* (Guenée, 1854)

Peruvian oleander moth

Range.- II-VIII (s. U.S. [introd.]: FL; TX; West Indies; Mex.-Argentina)

Dates.- Jan-Dec

Hosts.- *Thevetia peruviana* (Apocynaceae)

5218 **quadrastigmatalis** (Guenée, 1854) (McD 5419) T

Range.- I-IV (Gulf Coast: FL-TX; West Indies)

Dates.- Feb-Jul, Nov

Hosts.- Unknown

\*5219 **kimballi** Munroe, 1959 (McD 5419.1) T

Range.- III-VIII (Florida)

Dates.- Jan-Aug, Oct-Dec

Hosts.- Unknown

5221 **cinnaminalis** Munroe, 1952 (McD 5590.4)

Range.- I-III (e. U.S.: OH-FL/IL-TX)

Dates.- Feb-May, Jul-Aug, Dec

Hosts.- Unknown

5223 **illibalis** (Hübner, [1818]) (McD 5589/5590.1)

*euphaesalis* (Walker, 1859)

*subjectalis* (Lederer, 1863), repl. name

Range.- I-VI (se. U.S.: DC-FL/AR-TX)

Dates.- Mar-May, Jul-Sep, Dec

Hosts.- *Chionanthus pygmaea* (Oleaceae)

5226 **magniferalis** (Walker, 1861) (McD 5590.3)

*fascialis* (Walker, 1862)

*guttulosa* (Walker, 1863)

4.25 Range.- I-V (N. Am.: Que.-FL/MI-AZ)

Dates.- Jan-May, Jul-Oct, Dec

Hosts.- *Fraxinus* sp., *F. americana*, *F. nigra*, *F. pensylvanica* (Oleaceae)

**POLYGRAMMODES** Guenée, 1854

*Astura* Guenée, 1854

*Hilaopsis* Lederer, 1863

*Dichocrocopsis* Dyar, 1910

*Dichocrocopsis* Munroe, 1983, missp.

5228 **flavidalis** (Guenée, 1854) (McD 5584)

*lacoalis* (Walker, 1859)

*cinctipetalis* (Walker, [1866])

Range.- I (e. U.S.: NY-FL/IL-TX)

Dates.- May-Jul, Sep

Hosts.- *Vernonia* sp. [roots] (Compositae)

5228.1 **oxydalis** (Guenée, 1854) (McD 5583)

Range.- II-VI (se. U.S.: GA-FL/[AL])

Dates.- May-Oct

Hosts.- *Vernonia* sp. [roots] (Compositae)

5230 **elevata** (Fabricius, 1794) (McD 5404) T

*elevatis* (Guenée, 1854), emend.

f. *grandimacula* (Dognin, 1912)

Range.- IV-VIII (FL; West Indies-S. Am.)

Dates.- Jan-Feb, Apr-Jul, Sep-Dec

Hosts.- *Ipomoea* sp. (Convolvulaceae)

#### AZOCHIS Walker, 1859

*Arochis* Walker, 1859, missp.

*Catacteniza* Möschler, 1890

5232 **rufidiscalis** Hampson, 1904 (McD 5447) T

*cubanal* Hampson, 1913

Range.- VI (FL; West Indies-S. Am.)

Dates.- Jan-Mar, May, Jul, Sep

Hosts.- *Ficus* sp., *F. stahlii* (Moraceae)

#### COMPACTA Amsel, 1956

5233 **capitalis** (Grote, 1881) (McD 5453)

*posticata*.- (Forbes, 1923), misid. (not Grote

& Robinson, 1867)

Range.- I-II (se. U.S.: VA-FL/IL-TX)

Dates.- Jun

Hosts.- Unknown

#### MIMOPHOBETRON Munroe, 1950

5237 **pyropsalis** (Hampson, 1904) (McD 5637) T

*rhodope* (Hampson, 1913

*liopasialis* (Dyar, 1914)

ab. *rhodopides* (Strand, 1917)

Range.- VI-VIII (FL; West Indies)

Dates.- Jan-Dec

Hosts.- Unknown

#### TERASTIA Guenée, 1854

*Tersatia* Lederer, 1863, missp.

5239 **meticulosalis** Guenée, 1854 (McD 5431) T

*coeligenalis* (Hulst, 1886)

*Erythrina* borer

Range.- I-VIII (s. U.S.: FL-AZ; West Indies; Mex.-Argentina)

Dates.- Jan-Dec

Hosts.- *Erythrina fusca* [stem], *E. herbacea* [seed pods] (Leguminosae)

#### AGATHODES Guenée, 1854

*Stenurges* Lederer, 1863

5240 **designalis** Guenée, 1854 (McD 5410/5411) T

*floridalis* (Hulst, 1886)

*Erythrina* leafroller

Range.- I-VIII (s. U.S.: FL-AZ; West Indies; Mex.-Argentina)

Dates.- Jan-Sep

Hosts.- *Citharexylum berlandieri*, *C. fruticosum* (Verbenaceae)

*Erythrina crista-galli*, *E. fusca*, *E. herbacea*, *E. variegata* (Leguminosae)

*Inga vera* (Leguminosae)

*Kigelia pinnata* (Bignoniaceae)

*Nerium oleander* (Apocynaceae)

#### PANTOGRAPHIA Lederer, 1863

*Pantographis* Lederer, 1863, missp.

*Pantographa* Hampson, 1899, missp.

5241 **limata** (Grote & Robinson, 1867) (McD 5397) **8.46**

Basswood leafroller

Range.- I-IV (e. U.S.: Que.-FL/MN-TX; West Indies; S. Am.)

Dates.- Mar-Aug

Hosts.- *Ochroma pyramidale* (Bombacaceae)

*Quercus* sp. (Fagaceae)

*Tilia* sp. (Tiliaceae)

#### PLEUROPTYA Meyrick, 1890

*Loxoscia* Warren, 1890

5243 **silicalis** (Guenée, 1854) (McD 5398/5400) **4.15-16**

*cypraealis* (Walker, 1859)

*penumbralis* (Grote, 1877)

*sublatalis* (Warren, 1889)

*fluctuosalis*.- (Dyar, [1903]), misid. (not Lederer, 1863)

Range.- I-VIII (e. U.S.: VA?-FL/IL-TX; West Indies)

Dates.- Apr-Oct, Dec

Hosts.- *Boehmeria nivea* (Urticaceae)

*Bougainvillea spectabilis* (Nyctaginaceae)

*Cecropia peltata* (Moraceae)

*Ipomoea batatas*, *I. setifera* (Convolvulaceae)

*Merrenia umbellata* (Convolvulaceae)

*Rivinia humilis* (Phytolaccaceae)

[5244 *fluctuosalis* (Lederer, 1863): moved to *Herpetogramma*, 5273]

#### PHAEDROPSIS Warren, 1890

*Trichognathos* Amsel, 1956

5246 **chromalis** (Guenée, 1854) (McD 5409) T

*principialis* (Lederer, 1863)

*principalis* (Lederer, 1863), missp.

Range.- V-VI (FL; West Indies)

Dates.- Apr, Sep

Hosts.- Unknown

5247 **stictigramma** (Hampson, 1912) (McD 5408) T **8.48**

Range.- III-VIII (FL; West Indies)

Dates.- Apr-Aug, Oct

Hosts.- *Coccoloba uvifera* [stem] (Polygonaceae)

#### LYGROPIA Lederer, 1863

5248 **tripunctata** (Fabricius, 1794) (McD 5372) T **4.8**

*campalis* (Guenée, 1854

*cubanal* (Guenée, 1854)

*memmialis* (Walker, 1859)

Sweetpotato leafroller

Range.- I-VIII (se. U.S.: NC?-FL/AR?-TX; West Indies-Brazil)

Dates.- Mar-Oct

Hosts.- *Ipomoea batatas* (Convolvulaceae)

*Merrenia umbellata* (Convolvulaceae)

*Turbina corymbosa* (Convolvulaceae)

5249 **plumbicostalis** (Grote, 1871) (McD 5373) **8.38**

Range.- I-VI (Gulf Coast: [GA]/FL-TX)

Dates.- May, Aug

Hosts.- Unknown

5251.1 **fusalis** Hampson, 1905 (McD 5394) T **4.13-14**

*hampsoni* (Barnes & McDunnough, 1913)

Range.- III-VIII (FL; West Indies)

Dates.- Jan-Mar, May-Dec

Hosts.- ?*Avicennia germinans* (Avicenniaceae)

**LYPOTIGRIS** Hübner, [1825]

5252 **reginalis** (Stoll, 1781) (McD 5397.1) T  
 Range.- VI-VIII (FL; West Indies-S. Am.)  
 Dates.- Mar  
 Hosts.- Unknown

**DIASTICTIS** Hübner, [1818]

*Anomostictis* Warren, 1892, repl. name  
*Diastichtis* Forbes, 1923, missp.

5253 **argyralis** Hübner, [1818] (McD 5367)

Range.- I-VI (se. U.S.: NC-FL/AL-TX)  
 Dates.- Mar-May, Jul-Sep  
 Hosts.- Unknown

5254 **pseudargyralis** Munroe, 1956 (McD 5367.1)

Range.- I-III (se. U.S.: NC-FL/AL-TX)  
 Dates.- Mar, May-Oct  
 Hosts.- Unknown

5255 **ventralis** (Grote & Robinson, 1867) (McD 5367.2)

Range.- I-IV (e. N.Am.: Ont.-FL/OH-TX; Alb.-AZ)  
 Dates.- Apr, Jun  
 Hosts.- Unknown

5257 **holguinalis** Munroe, 1956 (McD 5367.3) T

Range.- VI-VIII (FL; Cuba)  
 Dates.- ?  
 Hosts.- Unknown

**FRAMINGHAMIA** Strand, 1920

5262 **helvalis** (Walker, 1859) (McD 5563)

*oscitalis* (Grote, 1880)  
*gyralis* (Hulst, 1886)  
*botys* Strand, 1920

Range.- I-V (e. U.S.: MA-FL/IL-TX)  
 Dates.- Apr-May  
 Hosts.- Unknown

**MICROTHYRIS** Lederer, 1863

*Crossophora* Möschler, 1890, preocc. (Meyrick, 1883)

*Grossophora* Munroe, 1956, missp.  
*Microtyris* Bendicho-L., 1998, missp.

5263 **anormalis** (Guenée, 1854) (McD 5396) T

*helcitalis* (Walker, 1859)  
*orphnealis* (Walker, 1859)  
*dracusalis* (Walker, 1859)  
*subaequalis* (Walker, [1866])

Range.- I-VIII (se. U.S.: FL-TX; West Indies; Mex.-Colombia)

Dates.- Jan-Aug, Nov-Dec

Hosts.- *Ipomoea* sp., *I. batatas* (Convolvulaceae)  
*Turbina corymbosa* (Convolvulaceae)

5264 **prolongalis** (Guenée, 1854) (McD 5381.2) T

*sectalis* (Guenée, 1854)  
*eurytalis* (Walker, 1859)  
*agenoralis* (Walker, 1859)  
*scotalis* (Lederer, 1863), missp.

Range.- IV-VIII (FL; TX; West Indies; Mex.-Brazil)

Dates.- Jun, Oct-Nov

Hosts.- Unknown

**ASCIODES** Guenée, 1854

5267 **gordialis** Guenée, 1854 (McD 5395) T

*quietalis* (Walker, 1859)  
*confusalis* (Hulst, 1886)

Bougainvillea caterpillar

20.9 Range.- I-VIII (se. U.S.: GA?-FL/AR?-TX; West Indies; Mex.)

Dates.- Jan-May, Jul-Dec

Hosts.- *Bougainvillea* sp., *B. glabra*, *B. spectabilis* (Nyctaginaceae)

*Mirabilis jalapa* (Nyctaginaceae)

*Momordica charantia* (Cucurbitaceae)

*Noronhia emarginata* (Oleaceae)

*Pisonia aculeata* (Nyctaginaceae)

*Guapira longifolia* (Nyctaginaceae)

**PSARA** Snellen, 1875

4.5 5268 **obscuralis** (Lederer, 1863) (McD 5401)

8.47

Range.- I-VIII (e. U.S.: NC?-FL/MO-AZ; Mex.)

Dates.- Mar-Dec

Hosts.- *Amaranthus* sp. (Amaranthaceae)

4.6-7 ?*Nelumbo nucifera* (Nelumbonaceae)

**SATHRIA** Lederer, 1863

5270 **internitalis** (Guenée, 1854) (McD --) T

4.26

*stercoralis* Lederer, 1863

*serenalis* (Walker, [1866])

Range.- VIII (FL; West Indies)

Dates.- Mar, May, Jul-Aug, Nov-Dec

Hosts.- *Pisonia rotundata* (Nyctaginaceae)

**BICILIA** Amsel, 1956

5271 **iarchasalis** (Walker, 1859) (McD 5382.1) T

*differalis* (Walker, 1865)

*concinna* (Möschler, 1890)

*iarchisalis* (Schaus, 1940), missp.

*vogli* Amsel, 1956

*fuscalis* Amsel, 1956

Range.- III-VIII (FL; TX; West Indies; Mex.-Venezuela)

Dates.- Mar-May, Aug-Nov

Hosts.- *Rivinia humilis* (Phytolaccaceae)

**HERPETOGRAMMA** Lederer, 1863

*Pachyzancla* Meyrick, 1884

*Acharana* Moore, 1885

*Piloptila* Swinhoe, 1884

*Pantoeocome* Warren, 1896

*Ptiloptila* Hampson, 1899, missp.

*Macrobotys* Monroe, 1950

5272 **bipunctalis** (Fabricius, 1794) (McD 5457)

5.19

*detritalis* (Guenée, 1854)

*lycialis* (Walker, 1859)

*philealis* (Walker, 1859)

*repetitalis* (Grote, 1882)

*terricolalis* (Möschler, 1881)

Southern beet webworm

Range.- I-VIII (e. U.S.: VA?-FL/IL-TX; West Indies; Mex.-S.Am.)

Dates.- Jan-Dec

Hosts.- *Achyranthes indica* (Amaranthaceae)

*Alternanthera ficoidea* 'Betzickiana', *A. ficoidea*,

*A. philoxeroides* (Amaranthaceae)

*Amaranthus* sp., *A. hybridus*, *A. retroflexus*, *A.*

*spinosa* (Amaranthaceae)

*Beta* sp., *B. vulgaris* (Chenopodiaceae)

*Borreria ocimoides* (Rubiaceae)

*Eichhornia crassipes* (Pontederiaceae)

*Hydrangea quercifolia* (Hydrangeaceae)

- Hydrocotyle* sp. (Umbelliferae)  
*Solanum melongena* var. *esculentum* (Solanaceae)  
*Wedelia trilobata* (Compositae)  
 ?*Woodwardia virginica* (Polypodiaceae)
- 5273 **fluctuosalis** (Lederer, 1863) (McD 5399/5459.1) T  
*ipomoealis* (Capps, 1964)  
 Greater sweetpotato webworm
- Range.- I-VI (se. U.S.: [GA]-FL/[AL]-TX; West Indies; Mex.)  
 Dates.- Apr-Jul, Oct, Dec  
 Hosts.- *Boehmeria cylindrica* (Urticaceae)  
*Ipomoea batatas* (Convolvulaceae)
- 5274 **phaeopterisalis** (Guenée, 1854) (McD 5459) T 5.20  
*vecordalis* (Guenée, 1854)  
*vestalis* (Walker, 1859)  
*additalis* (Walker, 1862)  
*plebejalis* (Lederer, 1863)  
*cellatalis* (Walker, [1866])  
*communalis* (Snellen, 1875)  
*intricatilis* (Möschler, 1890), preocc. (Lederer, 1863)  
 Tropical sod webworm
- Range.- I-VIII (se. U.S.: FL-TX; West Indies-S. Am.)  
 Dates.- Jan-Dec  
 Hosts.- *Eremochloa ophiuroides* (Gramineae)  
*Paspalum notatum* (Gramineae)  
*Stenotaphrum secundatum* (Gramineae)
- 5275 **pertextalis** (Lederer, 1863) (McD 5576)  
*thesealis*.- (Zeller, 1872), part (not Lederer, 1863)  
*gentilis* (Grote, 1873)  
*genitalis* auct., missp.
- Range.- I (e. N.Am.: Ont.-FL/IL-TX)  
 Dates.- Jun, Aug-Sep  
 Hosts.- Unknown
- 5277 **thestealis** (Walker, 1859) (McD 5579)  
*magistralis* (Grote, 1873)  
*gulosalis* (Hulst, 1886)  
*thestialis* (Forbes, 1923), missp.
- Range.- I-IV (e. N.Am.: Ont.-FL/WI-TX)  
 Dates.- Apr-Sep  
 Hosts.- *Corylus* sp. (Betulaceae)  
*Euonymus* sp. (Celastraceae)  
*Tilia* sp. (Tiliaceae)
- 5279 **theseusalis** (Walker, 1859) (McD 5581)  
*thesealis* (Lederer, 1863), emend.  
*feudalis* (Grote, 1875)
- Range.- I-VI (e. N.Am.: Ont.-FL/MO-TX)  
 Dates.- Apr-Sep  
 Hosts.- ferns
- 5280 **aeglealis** (Walker, 1859) (McD 5578)  
*quinguelinealis* (Grote, 1875)
- Range.- I-V (e. U.S.: VA?-FL/IL-TX)  
 Dates.- Apr-May, Jul-Aug, Oct-Nov  
 Hosts.- ?*Osmunda* sp. (Osmundaceae)  
*Phytolacca* sp. (Phytolaccaceae)

**PILOCROCIS** Lederer, 1863

- 5281 **ramentalis** Lederer, 1863 (McD 5371) 8.37  
*perfuscalis* (Hulst, 1886)
- Range.- I-VIII (e. N.Am.: Ont.-FL/WI-TX; Mex.)  
 Dates.- Feb-Dec  
 Hosts.- *Boehmeria* sp., *B. cylindrica* (Urticaceae)  
*Odontonema strictum* (Acanthaceae)

**CRYPTOBOTYS** Munroe, 1956

- 5282 **zoilusalis** (Walker, 1859) (McD 5384.2) T  
*micromphalis* (Hampson, 1912)  
*masculinalis* (Barnes & McDunnough, 1913)
- Range.- III-VIII (FL; TX; Mex.)  
 Dates.- Feb, Apr, Jun-Aug, Nov-Dec  
 Hosts.- *Wedelia trilobata* (Compositae)  
*Xanthium strumarium* (Compositae)

**SYNGAMIA** Guenée, 1854

- Anania*.- auct., not Hübner, [1823]
- 5284 **florella** (Stoll, 1781) (McD 5363) T 8.33  
*quingualis* (Hübner, [1823])  
*florellalis* Guenée, 1854, emend.  
*quisqualis* Hampson, 1898, missp.  
 Orange-spotted flower moth
- Range.- I-VIII (se. U.S.: SC?-FL/[AR]-TX; West Indies; Mex.-Argentina; Bermuda)  
 Dates.- Jan-Dec  
 Hosts.- *Borreria brachysepala* (Rubiaceae)  
*Spermacoce laevis*, *S. tetraquetra* (Rubiaceae)

**SALBIA** Guenée, 1854

- Salbiomorpha* Snellen, 1898
- 5285 **tytiusalis** (Walker, 1859) (McD 5363.1) T  
 Range.- III-VI (FL; West Indies; C.Am.)  
 Dates.- Mar-Dec  
 Hosts.- Unknown
- 5286 **mizaralis** (Druce, 1899) (McD 5363.2) T  
 Range.- IV-VII (FL; West Indies; C.Am.)  
 Dates.- May, Jul-Aug, Dec  
 Hosts.- Unknown
- 5287 **haemorrhoidalis** Guenée, 1854 (McD 5363.3) T 4.3  
*dircealis* (Walker, 1859)  
*futilalis* (Barnes & McDunnough, 1914)  
*haemorrhoidalis* (Klima, 1939), missp.  
*haemorrhoidalis* Berdicho-L., 1998, missp.  
 Lantana leaf-tier
- Range.- III-VIII (FL; TX; West Indies; Mex.-Brazil)  
 Dates.- Mar-Jul, Sep-Dec  
 Hosts.- *Desmodium heterocarpon* (Leguminosae)  
*Lantana* sp., *L. camara* (Verbenaceae)  
*Phyla nodiflora*, *P. scaberrima* (Verbenaceae)

**MARASMIA** Lederer, 1863

- Dolichosticha* Meyrick, 1884  
*Epimima* Meyrick, 1886  
*Lasiacme* Warren, 1896  
*Marasma* Green, 1903, missp.  
*Bradynomorpha* Matsumura, 1920  
*Susumia* Marumo, 1930  
*Prodotaula* Meyrick, 1934  
*Neomarasamia* Kalra, David & Banerji, 1967, unavail.
- 5288 **trapezalis** (Guenée, 1854) (McD 5361) T 8.32  
*creonalis* (Walker, 1859)  
*neoclesalis* (Walker, 1859)  
*suspicalis* (Walker, 1859)  
*convectalis* (Walker, [1866])  
*bifurcalis* (Snellen, 1880)  
*perinephes* (Meyrick, 1886)
- Range.- I-VIII (se. U.S.: SC?-FL/AR?-TX; West Indies; Mex.-S. Am.; Old World tropics)  
 Dates.- Jan, Apr, Jul-Dec

Hosts.– *Eriochloa polystachya* (Gramineae)  
*Zea mays* (Gramineae)

5289 **cochrusalis** (Walker, 1859) (McD 5360) T **8.31**  
*azonalis* (Walker, 1859)  
*ruptalis* (Walker, 1865)  
*persperalis* (Möschler, 1890)

Range.– I–VIII (se. U.S.: FL–TX; West Indies; Mex.–Brazil)  
 Dates.– Jan–Dec  
 Hosts.– *Zea mays* (Gramineae)

#### CONCHYLODES Guenée, 1854

*Ledereria* Snellen, 1875, preocc. (Marschall, 1873)

5290 **diphtheralis** (Geyer, 1832) (McD 5376) T **8.41**  
 Range.– II–VIII (FL; West Indies–S. Am.)

Dates.– Jan, Mar–Apr, Jul–Dec

Hosts.– *Cordia* sp. (Boraginaceae)

5292 **ovulalis** (Guenée, 1854) (McD 5378) T

Range.– I–II (e. U.S.: PA–FL/IL–TX; West Indies; Mex.–S. Am.)

Dates.– May–Sep

Hosts.– Unknown

5293 **concinnalis** Hampson, 1898 (McD 5378.1) T

Range.– I–VI (se. U.S.: [GA]/FL–TX; [Mex.])

Dates.– Mar–Sep

Hosts.– Unknown

#### OMMATOSPILA Lederer, 1863

*Thelda* Walker, [1866]

*Ommatostola* Knudson & Bordelon, 1999, missp.

5294 **narcaeusalis** (Walker, 1859) (McD 5422) T

*nummulalis* (Lederer, 1863)

*venustalis* (Walker, [1866])

Range.– VIII (FL; TX; West Indies; Mex.–Brazil)

Dates.– Oct

Hosts.– Unknown

#### DAULIA Walker, 1859

*Girtexa* Swinhoe, 1890

5295 **magdalena** (Fernald, 1892) (McD 5504)

Range.– I–V (Gulf Coast: FL–TX)

Dates.– Jan–Apr, Aug–Oct, Dec

Hosts.– Unknown

### SCHOENOBIIINAE

#### LEPTOSTEGES Warren, 1889

*Patissa*.– auct. (not Moore, 1886)

5300 **xantholeucalis** (Guenée, 1854) (McD 5811)

*fasciella* (Fernald, 1887)

Range.– I–VI (se. U.S.: SC?–FL/AR?–TX)

Dates.– May–Sep

Hosts.– Unknown

\*5301 **flavicostella** (Fernald, 1887) (McD 5812)

Range.– I–VI (Florida)

Dates.– Apr–Nov

Hosts.– Unknown

\*5302 **flavifascialis** (Barnes & McDunnough, 1913) (McD 5813)

Range.– II–IV (Florida)

Dates.– Feb, Apr–Oct, Dec

Hosts.– Unknown

5303 **parthenialis** (Dyar, 1917) (McD 5814)

Range.– I–IV (Gulf Coast: FL–TX)

Dates.– Jul

Hosts.– Unknown

5305 **sordidalis** (Barnes & McDunnough, 1913) (McD 5816)

Range.– I–V (Gulf Coast: FL–TX)

Dates.– Mar–Jul, Sep–Oct

Hosts.– Unknown

5306 **vestaliella** (Zeller, 1872) (McD 5817)

Range.– I–IV (Gulf Coast: FL–TX)

Dates.– May–Oct

Hosts.– Unknown

#### CARECTOCULTUS A. Blanchard, 1975

*Scirpophaga*.– auct. (not Treitschke, 1832)

*Topeutis*.– auct. (not Hübner, [1818]; Hübner, [1825])

5307 **perstrialis** (Hübner, [1825]) (McD 5818/5819) **9.7-8**

*repugnatalis* (Walker, 1863)

*serriradiellus* (Walker, 1863)

*semiradiellus* auct., missp.

*macrinellus* (Zeller, 1866)

*funerellus* (Hampson, 1901)

*consortalis* Dyar, 1909

Range.– I–VI (e. U.S.: MA–FL/MI–TX; West Indies; Mex.–Venezuela)

Dates.– Jan–Dec

Hosts.– Unknown

5309 **dominicki** A. Blanchard, 1975

Range.– I–V (Gulf Coast: FL–TX)

Dates.– May, Jul–Aug

Hosts.– Unknown

#### RUPELA Walker, 1863

*Storteria* Barnes & McDunnough, 1913

5310 **segrega** Heinrich, 1937 (McD 5822) **6.22-23**

*albinella*.– auct., part (not Cramer, 1781)

*nivea*.– auct., part (not Walker, 1863)

Range.– I–VI (se. U.S.: NC–FL/AR?–TX; [Mex.])

Dates.– Apr–Jul, Sep–Oct

Hosts.– Unknown

5311 **tinctella** Walker, (1863) (McD 5821) T **6.21**

*albinella*.– auct., part (not Cramer, 1781)

*nivea*.– auct., part (not Walker, 1863)

*zelleri* (Möschler, 1882)

*holophaealis* (Hampson, 1904)

*unicolor* (Barnes & McDunnough, 1913)

Range.– I–VIII (se. U.S.: SC?–FL/AR?–TX; West Indies; Mex.–Argentina)

Dates.– Mar–Oct

Hosts.– Unknown

5312 **sejuncta** Heinrich, 1937 (McD 5823) **6.24**

*albinella*.– auct., part (not Cramer, 1781)

*nivea*.– auct., part (not Walker, 1863)

Range.– I–VI (se. U.S.: GA–FL/AL–TX)

Dates.– Mar–May, Jul, Sep

Hosts.– Unknown

#### DONACAULA Meyrick, 1890

*Schoenobius*.– auct. (not Duponchel, 1836)

5313 **sordidella** (Zincken, 1821) (McD 5824) **5.57-58**

Range.– I–IV (e. U.S.: MA–FL/IL–TX)

Dates.– Jan–Dec

Hosts.– Unknown

- 5314 **unipunctella** (Robinson 1870) (McD 5825)  
 Range.- I-VII (se. U.S.: VA-FL/IL-TX)  
 Dates.- Feb-Dec  
 Hosts.- Unknown
- 5315 **tripunctella** (Robinson, 1870) (McD 5826)  
 Range.- I-VI (se. U.S.: VA-FL/IL-TX)  
 Dates.- Apr-Jun, Sep, Nov  
 Hosts.- Unknown
- 5316 **melinella** (Clemens, 1860) (McD 5827)  
 Range.- I-VI (e. N.Am.: N.S.-FL/IL-TX)  
 Dates.- Jan, Mar-May, Jul, Sep-Oct  
 Hosts.- Unknown
- 5317 **aquilella** (Clemens, 1860) (McD 5828)  
*clemensella* (Robinson, 1870)  
 Range.- I-III (e. N.Am.: NY-FL/OH?-[AL])  
 Dates.- May-Jun  
 Hosts.- Unknown
- 5320 **amblyptepennis** (Dyar, 1917) (McD 5831)  
 Range.- I (e. U.S.: NY?-FL/IL-TX)  
 Dates.- Jun  
 Hosts.- Unknown
- 5321 **roscidella** (Dyar, 1917) (McD 5832)  
 Range.- I-VI (se. U.S.: SC?-FL/AR?-TX?)  
 Dates.- Feb-Nov  
 Hosts.- Unknown
- 5323 **uxorialis** (Dyar, 1921) (McD 5834)  
 Range.- I-VII (se. U.S.: [GA]-FL/[AL]-MS)  
 Dates.- Jan-Oct  
 Hosts.- Unknown
- 5324 **maximella** (Fernald, 1891) (McD 5835)  
 Range.- I-IV (se. U.S.: VA?-FL/AR?-TX)  
 Dates.- Jan, Mar-Aug, Oct-Nov  
 Hosts.- ?*Cladium jamaicensis* (Gramineae)

### CRAMBINAE

[NOTE: Crambinae and Schoenobiinae are now placed at the beginning of the family. Some researchers have in recent years again split the group as a family "Crambidae" (along with other subfamilies down to Spilomelinae), as was already done over 100 years ago, but, as noted in the current classification outline (see p. 72), the morphological differences are adequately handled and better treated by the use of a subgroup name (Crambinina) below the family level to show the distinction from group Pyralina (subfamilies Pyralinae to Phycitinae): this was already advocated by Munroe (1972) (as series names then, instead of group names) before the splitting urge intensified in recent years. Other researchers do not want subgroup levels and, thus, take such names and rather arbitrarily elevate them to family level, thus, resulting in using Crambidae and Pyralidae, but this splitting is not followed herein. See also Munroe (1995) for updated notes on New World Pyralidae.]

### ANCYLOLOMIINI

- MESOLIA** Ragonot, 1888  
*Eugrotea* Fernald, 1896  
*Euparolia* Dyar, 1914  
*Deuterolia* Dyar, 1914
- 5331 **incertella** (Zincken, 1821) (McD 5845)  
*olivella* (Grote, 1882)  
*dentella* (Fernald, 1896)  
 Range.- I-IV (se. U.S.: NC-FL/TN?-TX)  
 Dates.- Jan, Apr-Dec  
 Hosts.- Unknown

- 6.25 PRIONAPTERYX** Stephens, 1834  
*Prionapteryx* Zeller, 1863, emend.  
*Nuarace* Walker, 1863  
*Hypotomorpha* Rebel, 1892  
*Naurace* Bleszynski & Collins, 1962, missp.
- 5333 **nebulifera** Stephens, 1834 (McD 5841)  
 Range.- I-IV (Atlantic/Gulf Coast: MA-FL/TX; Mex.)  
 Dates.- May, Jul, Oct  
 Hosts.- (Ericaceae)
- 5334 **achatina** Zeller, 1863 (McD 5842) **6.28**  
*delectalis* (Hulst, 1886)  
 Range.- I-VI (s. U.S.: FL-AZ; Mex.)  
 Dates.- Apr-Oct  
 Hosts.- Unknown
- 5336 **serpentella** Kearfott, 1908 (McD 5844) **9.1**  
 Range.- I-VI (Gulf Coast: FL-TX)  
 Dates.- Jan-Sep, Nov-Dec  
 Hosts.- Unknown

### CRAMBINI

- 6.26 CRAMBUS** Fabricius, 1798  
*Palparia* Haworth, 1811  
*Chilus* Billberg, 1820  
*Tetrachila* Hübner, [1822]  
*Argyroteuchia* Hübner, [1825]
- 6.27** 5355 **praefectellus** (Zincken, 1821) (McD 5863) **6.32**  
*involutellus* Clemens, 1860  
*hastiferellus*.- Felt, 1894, part (not Walker, 1863)  
*pulchellus*.- Felt, 1894, part (not Walker, 1863)  
 Range.- I-IV (e. N.Am.: N.S.-FL/MN-TX)  
 Dates.- Mar-Jul, Nov  
 Hosts.- grass (Gramineae)
- 5357 **leachellus** (Zincken, 1818) (McD 5861) **6.31**  
*pulchellus* Zeller, 1863  
*involutellus*.- Zeller, 1863, misid. (not Clemens, 1860)  
*lativittellus* Zeller, 1863  
*hastiferellus* Walker, 1863  
 Range.- I-II (e. N.Am.: N.S.-FL/IL-TX)  
 Dates.- May, Jul, Oct-Dec  
 Hosts.- grass (Gramineae)
- 5362 **agitatellus** Clemens, 1860 (McD 5874/5875/5876)  
*alboclavellus* Zeller, 1863  
*carolinellus* Haimbach, 1915  
 Range.- I-II (e. U.S.: NY-FL/IL-TX)  
 Dates.- Jun-Jul  
 Hosts.- grass (Gramineae)
- 5364 **multilinellus** Fernald, 1887 (McD 5882) **6.33**  
*multilineellus* Kimball, 1965, missp.  
 Range.- I-IV (se. U.S.: NC-FL/AL-MS)  
 Dates.- Mar-May, Sep  
 Hosts.- grass (Gramineae)
- 5365 **girardellus** Clemens, 1860 (McD 5860)  
*nivihumellus* Walker, 1863
- 6.29** Range.- I (e. N.Am.: Ont.-FL/IL-TX?)  
 Dates.- Jun-Sep  
 Hosts.- grass (Gramineae)
- 5366 **watsonellus** Klots, 1942 (McD 5861.1)  
 Range.- I (e. U.S.: ME-FL/OH-TX)  
 Dates.- Oct  
 Hosts.- grass (Gramineae)

\*5367 **sanfordellus** Klots, 1942 (McD 5863.1)

Range.- II-IV (Florida)

Dates.- Apr-Jun, Aug-Sep, Nov-Dec

Hosts.- grass (Gramineae)

5368 **braunellus** Klots, 1940 (McD 5874.1)

Range.- I (s. U.S.: SC?-FL/KY?-CA)

Dates.- May

Hosts.- grass (Gramineae)

5369 **quinquareatus** Zeller, 1877 (McD 5853)

*hastiferellus*.- auct. (not Walker, 1863)

*quinquareatus* auct., missp.

*extorralis* Hulst, 1886

*extornalis* Grossbeck, 1917, missp.

*argenticus* Hampson, 1919

Range.- I-VIII (e. U.S.: PA-FL/MO?-TX; Mex.)

Dates.- Jan-Dec

Hosts.- grass (Gramineae)

5372 **satrapellus** (Zincken, 1821) (McD 5851) T

*elegantellus* Walker, 1863

*aculeilellus* Walker, 1863

*aculiellus* Hampson, 1896, missp.

*aureorufus* Hampson, 1919

Range.- I-VI (se. U.S.: SC?-FL/MO?-TX; Mex.-Brazil)

Dates.- Jan-Dec

Hosts.- grass (Gramineae)

5380 **zeellus** Fernald, 1885 (McD 5972), mispl.

Range.- I-VI (e. U.S.: ME-FL/IL-TX)

Dates.- Feb-Apr, Nov

Hosts.- grass (Gramineae)

5381 **caliginosellus** Clemens, 1860 (McD 5925), mispl.

Corn root webworm

Range.- I-VI (e. N.Am.: Ont.-FL/IL-TX)

Dates.- Feb-Jul, Sep-Nov

Hosts.- *Zea mays* [roots] (Gramineae)

grass (Gramineae)

#### **RAPHIPTERA** Hampson, 1896

5393 **argillaceella** (Packard, 1867) (McD 5849/5850)

*argillaceus* Hampson, 1896, missp.

a) **minimella** (Robinson, 1870)

Range.- I-VII (e. N.Am.: Ont.-FL/WI-TX)

Dates.- Jan-Dec

Hosts.- grass (Gramineae)

#### **AGRIPHILA** Hübner, [1825]

5403 **vulgivagella** (Clemens, 1860) (McD 5892)

*aurifimbrialis* (Walker, 1863)

*chalybirostris* (Zeller, 1863)

Vagabond crambus

Range.- I-V (e. N.Am.: N.S.-FL/MN-TX)

Dates.- Jul-Dec

Hosts.- grass (Gramineae)

#### **PEDIASIA** Hübner, [1825]

*Carvanca* Walker, 1856

5413 **trisecta** (Walker, 1856) (McD 5919)

*interminella* (Walker, 1863)

*exsiccata* (Zeller, 1863)

*fuscisquamella* (Zeller, 1863)

*biliturella* (Zeller, 1874)

Sod webworm

Range.- I (e. N.Am.: ME-FL/Man.-TX)

Dates.- May, Oct

Hosts.- grass (Gramineae)

#### **MICROCRAMBUS** Bleszynski, 1963

5418 **copelandi** Klots, 1968

Range.- I-II (s. U.S.: [GA]-FL/[AR]-TX; CA-AZ)

Dates.- Jun-Jul

Hosts.- grass (Gramineae)

5419 **biguttellus** (Forbes, 1920) (McD 5886)

6.34

Range.- I-VIII (e. N.Am.: Ont.-FL/IL-TX; West Indies)

Dates.- Jan-Nov

9.2 Hosts.- grass (Gramineae)

5420 **elegans** (Clemens, 1860) (McD 5889)

*terminellus* (Zeller, 1863)

Range.- I-VI (e. N.Am.: Ont.-FL/IL-TX)

Dates.- Jan-Nov

Hosts.- grass (Gramineae)

5422 **minor** (Forbes, 1920) (McD 5890.1)

6.35

*immunellus*.- Forbes, 1920, part (not Zeller,

1872)

9.4 *polingi*.- Forbes, 1923, part (not Kearfott, 1908)

Range.- I-III (e. N.Am.: Ont.-FL/IL-TX)

Dates.- Feb, Jul

Hosts.- grass (Gramineae)

5423 **discludellus** (Möschler, 1890) (McD 5891.2) T

*micralis* (Hampson, 1919)

*domingellus* (Schaus, 1922)

*discobolus* Bleszynski, 1963

Range.- I-VI (FL; West Indies; S. Am.)

Dates.- Jan-Mar, May, Jul-Aug, Dec

Hosts.- grass (Gramineae)

7.4 5424 **kimballi** Klots, 1968

*minor*.- (Forbes, 1923), part (not Forbes,

1920)

Range.- I-VI (e. U.S.: PA-FL/OH?-TX)

Dates.- Feb-Sep, Nov

Hosts.- grass (Gramineae)

5425 **matheri** Klots, 1968

Range.- I-III (se. U.S.: NC-FL/KY?-MS)

Dates.- Jun-Sep

Hosts.- grass (Gramineae)

6.30 5426 **croesus** Bleszynski, 1967

Range.- IV (FL; TX; Mex.)

Dates.- May, Aug

Hosts.- grass (Gramineae)

#### **LOXOCRAMBUS** Forbes, 1920

5427 **canellus** Forbes, 1920 (McD 5948)

7.9

Range.- I-VIII (se. U.S.: SC?-FL/AR?-TX)

Dates.- Jan-Jun, Nov-Dec

Hosts.- grass (Gramineae)

#### **FISSICRAMBUS** Bleszynski, 1963

5431 **profanellus** (Walker, 1866) (McD 5912.1) T

Range.- I-VI (s. U.S.: GA?-FL/AL-CA; West Indies; Mex.)

Dates.- Jan-Apr, Aug-Dec

Hosts.- grass (Gramineae)

5433 **haytiellus** (Zincken, 1821) (McD 5913)

7.2

Carpet grass webworm

Range.- I-VIII (se. U.S.: GA?-FL/TX; West Indies; Mex.-C.Am.)

Dates.- Jan-Dec

Hosts.- *Cynodon dactylon* (Gramineae)

*Zoysia matrella* (Gramineae)

5434 **hemiochrellus** (Zeller, 1877) (McD 5912)



Range.- I-VIII (e. U.S.: NY-FL/IL-TX)

Dates.- Jan, Mar-May, Jul-Dec

Hosts.- grass (Gramineae)

5435 **mutabilis** (Clemens, 1860) (McD 5910)  
*fuscicostella* (Zeller, 1863)

Range.- I-VIII (e. U.S.: NY-FL/IL-TX)

Dates.- Jan-Dec

Hosts.- grass (Gramineae)

5437 **minuellus** (Walker, 1863) (McD 5913.1)  
*santiagellus* (Schaus, 1922)  
*habanellus* (Schaus, 1922)

Range.- II-VIII (FL; West Indies; C.Am.)

Dates.- Jan-Dec

Hosts.- grass (Gramineae)

#### **THAUMATOPSIS** Morrison, 1874

*Propexus* Grote, 1880

5438 **edonis** (Grote, 1880) (McD 5936)

Range.- I-III (e. U.S.: NC-FL/KS-TX)

Dates.- Sep-Nov

Hosts.- grass (Gramineae)

5439 **pexella** (Zeller, 1863) (McD 5934)  
*macropterella* (Zeller, 1863)  
*longipalpa* Morrison, 1874

Range.- I-VII (e. U.S.: GA-FL/MO-TX/CO?; Mex.)

Dates.- Dec

Hosts.- grass (Gramineae)

5441 **fernaldella** Kearfott, 1905 (McD 5937)

Range.- I (N.Am.: Ont.-FL/IL-CA)

Dates.- Oct

Hosts.- grass (Gramineae)

5443 **floridella** Barnes & McDunnough, 1913 (McD 5938)

*fernaldella*.- Kearfott, 1905, part  
*floridalis* Munroe, 1983, missp.

Range.- I-VIII (Gulf Coast: FL-TX)

Dates.- Jan-May, Aug-Sep, Nov-Dec

Hosts.- grass (Gramineae)

5447 **pectinifer** (Zeller, 1877) (McD 5946)

Range.- I-VI (Gulf Coast: FL-TX)

Dates.- Mar, May-Jun, Aug-Nov

Hosts.- grass (Gramineae)

\*5448 **actuella** Barnes & McDunnough, 1918 (McD 5947)

Range.- III (Florida)

Dates.- May, Jul, Nov

Hosts.- grass (Gramineae)

#### **PARAPEDIASIA** Bleszynski, 1966

5450 **decorella** (Zincken, 1821) (McD 5897)

*polyactinella* (Zeller, 1863)  
*goodelliana* (Grote, 1880)  
*bonusculalis* (Hulst, 1886)

Range.- I-VIII (e. U.S.: MA-FL/IL-TX; Mex.)

Dates.- Feb-Oct

Hosts.- grass (Gramineae)

5450.1 **ligonella** (Zeller, 1881) (McD -) T

Range.- VIII (FL; West Indies)

Dates.- Feb-Mar [new state record by T. S. Dickel]

Hosts.- grass (Gramineae)

5451 **teterrella** (Zincken, 1821) (McD 5896)

*camurella* (Clemens, 1860)  
*terrella* (Zeller, 1863), missp.  
Bluegrass webworm

Range.- I-VIII (e. U.S.: ME-FL/IL-TX; Mex.)

Dates.- Jan-Dec

Hosts.- grass (Gramineae)

#### **7.1 EUCHROMIUS** Guenée, 1845

*Eromene* Hübner, [1825], preocc. (Hübner, [1821])

*Ommatopteryx* Kirby, 1897

5454 **ocelleus** (Haworth, 1811) (McD 5952) **9.10**

#### **7.3**

*cyrilli* (Costa, 1829)  
*funiculella* (Treitschke, 1832)  
*cyrillella* (Costa, 1836), missp.  
*ocellellus* (Doubleday, 1859)  
*texanus* (Robinson, 1870)  
*giganteus* (Turati, 1924)  
*quadrii* Ahmad, 1982

Range.- I-VIII (U.S. [introd.]: FL-TX/WA-CA; West Indies; Mex.-Fr. Guiana; Europe-India; Australia)

#### **7.7**

Dates.- Feb-Jun, Aug, Oct-Nov

Hosts.- *Sorghum bicolor* (Gramineae)

*Zea mays* (Gramineae)

#### **7.6**

grass (Gramineae)

#### **MICROCAUSTA** Hampson, 1895

5456 **flavipunctalis** Barnes & McDunnough, 1913 (McD 5513) T

Range.- II-VII (FL; West Indies)

Dates.- Jan-May, Oct, Dec

Hosts.- grass (Gramineae)

#### **ARGYRIINI**

#### **7.8 ARGYRIA** Hübner, [1818]

*Catharylla* Zeller, 1863  
*Urola*.- auct. (not Walker, 1863)  
*Argyra* Wolcott, 1923, missp.

5460 **nummulalis** Hübner, [1818] (McD 5955) **7.11**

*argentana* Fernald, 1896

Range.- I-VI (e. U.S.: PA-FL/IL-TX)

Dates.- Jan-Dec

Hosts.- grass (Gramineae)

5462 **rufisignella** (Zeller, 1872) (McD 5956)

*rileyella* (Dyar, 1914)  
*rufisignalis* Schaus, 1940, missp.

Range.- I (Gulf Coast: FL-TX)

Dates.- May

Hosts.- grass (Gramineae)

5463 **lacteella** (Fabricius, 1794) (McD 5958) T **7.12**

#### **9.3**

*albana* (Fabricius, 1798)  
*pussillalis* Hübner, [1818]  
*pusillalis* auct., missp.  
*abronalis* (Walker, 1859)  
*gonogramma* Dyar, 1914

Range.- I-VIII (Gulf Coast: FL-TX; West Indies; Mex.-S. Am.)

Dates.- Jan-Dec

Hosts.- grass (Gramineae)

#### **UROLA** Walker, 1863

**6.36** 5464 **nivalis** (Drury, 1773) (McD 5954) **7.10**

*argentata* (Emmons, 1854)  
*microchrysella* Walker, 1863  
*nummulalis*.- Zeller, 1863, part (not Hübner, [1818])

*microchrysella* (Hampson, 1896)  
 Range.- I-VIII (e. N.Am.: Ont.-FL/IL-TX; Mex.)  
 Dates.- Jan-Dec  
 Hosts.- grass (Gramineae)

**VAXI** Bleszynski, 1963

*Argyria*.- auct., part (not Hübner, [1818])  
*Urola*.- auct., part (not Walker, 1863)  
 5465 **auratella** (Clemens, 1860) (McD 5957)  
*pulchella* (Walker, 1863)  
 Range.- I-VIII (e. N.Am.: Que.-FL/Man.-TX)  
 Dates.- Jan-Dec  
 Hosts.- grass (Gramineae)  
 5466 **critica** (Forbes, 1920) (McD 5957.1)  
 Range.- I-VIII (e. N.Am.: Ont.-FL/OH?-TX)  
 Dates.- Mar-Sep, Nov  
 Hosts.- grass (Gramineae)  
 5467 **tripsacas** (Dyar, 1921) (McD 5932) T  
 Range.- II-VIII (FL; West Indies)  
 Dates.- Feb-Jul, Oct-Nov  
 Hosts.- grass (Gramineae)

**CHILONINI****EPINA** Walker, [1866]

*Diatraenopsis* Dyar & Heinrich, 1927  
*Platytes*.- auct., part (not Guenée, 1845)  
 5468 **dichromella** (Walker, [1866]) (McD 5970) T  
*differentialis* (Fernald, 1888)  
*matanzalis* (Schaus, 1922)  
 Range.- I-VI (se. U.S.: [GA]-FL/AL; West Indies)  
 Dates.- Mar-Jun, Aug-Oct  
 Hosts.- grass (Gramineae)

**CHILO** Zincken, 1817

*Chilona* Sodoffsky, 1837  
*Proceras*.- auct. (not Bojer, 1856)  
*Borer* Guenée, 1862  
*Diphryx* Grote, 1881  
*Nephalia* Turner, 1911  
*Hypiesta* Hampson, 1919  
*Silveria* Dyar, 1925  
*Diatraenopsis* Dyar & Heinrich, 1927, part  
*Chilotraea* Kapur, 1950  
 5470 **plejadellus** Zincken, 1821 (McD 5976)  
*sabuliferus* (Walker, 1863)  
*prolatellus* (Grote, 1881)  
*oryzeellus* Riley, 1882  
*oryzaeellus* Bleszynski & Collins, 1962, missp.  
 Rice stalk borer  
 Range.- I-II (e. U.S.: NY-FL/WI-TX)  
 Dates.- May, Aug-Sep  
 Hosts.- *Oryza sativa* [stem] (Gramineae)  
 5471 **erianthalis** Capps, 1963 (McD 5976.1) T  
 Range.- VI (FL; West Indies)  
 Dates.- ?  
 Hosts.- grass (Gramineae)

**DIATRAEA** Guilding, 1832

*Diatrea* Guilding, 1828, missp.  
*Diaraetria* Grote, 1882, missp.  
*Iesta* Dyar, 1909  
*Diatraerupa* Schaus, 1913

*Trinidadia* Dyar & Heinrich, 1927  
*Eodiatraea* Box, 1953  
*Crambidiatraea* Box & Capps, 1955  
*Zeadiatraea* Box, 1955  
 5475 **saccharalis** (Fabricius, 1794) (McD 5960) T **9.5**  
*sacchari* (Fabricius, 1798), emend.  
*sacchari* Guilding, 1828, preocc.  
*leucaniella* (Walker, 1863)  
*lineosella* (Walker, 1863)  
*obliteratella* (Zeller, 1863)  
*crambidoides*.- auct., part (not Grote, 1880)  
*grenadensis* Dyar, 1911  
*pedidocla* Dyar, 1911  
*continens* Dyar, 1911  
*brasiliensis* Gorkum & Waal, 1913  
*incomparella* Dyar & Heinrich, 1927

Sugarcane borer

**9.9** Range.- I-VI (se. U.S. [introd.]: SC-FL/KS-TX; West Indies; Mex.-Brazil)

Dates.- Jan, Mar-Dec  
 Hosts.- *Cortaderia selloana* (Gramineae)  
*Cyperus papyrus* (Cyperaceae)  
*Oryza sativa* (Gramineae)  
*Pennisetum purpureum* (Gramineae)  
*Saccharum officinarum* [stem] (Gramineae)  
*Setaria palmifolia* (Gramineae)  
*Sorghum* sp. (Gramineae)  
*Tripsacum dactyloides* (Gramineae)  
*Zea mays* [stem] (Gramineae)

5476 **crambidoides** (Grote, 1880) (McD 5962) **9.6**  
*zeacolella* Dyar, 1911  
*tripsacicola* Dyar, 1921

Southern cornstalk borer

Range.- I-VI (se. U.S.: SC-FL/AR-TX; Mex.)  
 Dates.- Jan-Jun, Aug-Dec  
 Hosts.- *Zea mays* [stem] (Gramineae)  
 5478 **evanescens** Dyar, 1917 (McD 5961) T **7.14**  
*sobrinialis* Schaus, 1922  
 Range.- I-VI (Gulf Coast: FL-TX; Mex.-C. Am.)  
 Dates.- Mar-Aug  
 Hosts.- grass (Gramineae)  
 5481 **lisetta** (Dyar, 1909) (McD 5959) T **7.13**  
*cancellalis* (Dyar, 1914)  
*adulcia* (Dyar, 1916)

**7.16** Range.- I-VIII (Gulf Coast: FL-TX; Mex.-Panama)  
 Dates.- Jan-Dec  
 Hosts.- grass (Gramineae)

**HAIMBACHIA** Dyar, 1909

5482 **squamulella** (Zeller, 1881) (McD 5967) **7.15**  
 Range.- I-VIII (e. U.S.: OH?-FL/[IL]-TX)  
 Dates.- Mar-Apr, Jun-Oct  
 Hosts.- Unknown  
 5487 **floridalis** Capps, 1965 T  
 Range.- VI-VIII (FL; TX)  
 Dates.- Mar-Apr  
 Hosts.- grass (Gramineae)

**EOREUMA** Ely, 1910

5492 **densella** (Zeller, 1881) (McD 5987)  
 Range.- I-VI (e. U.S.: CT-FL/IA-TX)  
 Dates.- Jan-Aug, Oct-Dec  
 Hosts.- Unknown

**XUBIDA** Schaus, 1922

5499 **linearella** (Zeller, 1863) (McD 5981)  
*multilineatella* (Hulst, 1887)

Range.- I-VIII (se. U.S.: NC-FL/AL?)

Dates.- Feb-Sep, Nov

Hosts.- Unknown

5500 **panalope** (Dyar, 1917) (McD 5982/5983)  
*acerata* (Dyar, 1917)

Range.- I-VI (e. N.Am.: N.S.-FL/IA-TX)

Dates.- Jan, Mar-Nov

Hosts.- Unknown

5501 **relovae** Klotz, 1970

Range.- I-VIII (se. U.S.: GA?-FL/AL?-MS)

Dates.- Jan, Mar, May-Oct

Hosts.- Unknown

5502 **punctilineella** (Barnes & McDunnough, 1913) (McD 5980) T

Range.- IV-VIII (FL; West Indies)

Dates.- Jan-Sep, Nov

Hosts.- Unknown

Group **PYRALININA****PYRALINAE****PYRALIS** Linnaeus, 1758

*Aletes* Rafinesque, 1815, nom. nud.

*Ceropsina* Rafinesque, 1815, nom. nud.

*Spyrella* Rafinesque, 1815, repl. name

*Asopia* Treitschke, 1828

*Sacatia* Walker, 1863

*Eutrichodes* Warren, 1891

*Therapne* Ragonot, 1891

5510 **farinalis** Linnaeus, 1758 (McD 5758)

*domesticalis* (Zeller, 1847)

*fraterna* Butler, 1879

*manihotalis*.- Matsumura, 1900 (not Guenée, 1854)

*meridionalis* Schmidt, 1934

*orientalis* Amsel, 1961

Meal moth

Range.- I-VIII (N.Am. [introd.]: N.S.-FL/B.C.-CA; West Indies; Mex.-Argentina; Old World)

Dates.- Mar-Aug, Oct-Nov

Hosts.- stored grain

5512 **disciferalis** Dyar, 1908 (McD 5760)

Range.- I-IV (e. U.S.: NY-FL/IL-TX)

Dates.- Mar-May, Jul-Aug

Hosts.- Unknown

5515 **manihotalis** Guenée, 1854 (McD 5763) T

*vetusalis* Walker, [1859]

*gerontesalis* Walker, [1859]

*laudatella* (Walker, 1863)

*despectalis* Walker, [1866]

*miseralis* Walker, [1866]

*achatina* Butler, 1877

*haematinalis* (Saalmüller, 1880)

*gerontialis* Meyrick, 1888, emend.

*centripunctalis* (Gaede, 1916)

*pupalis* Strand, 1919

*compsobathra* Meyrick, 1932

Tropical meal moth

Range.- I-VIII (FL; West Indies-S. Am.; Old World)

Dates.- Jan, Mar, May-Jul, Oct-Dec

Hosts.- stored grain

**AGLOSSA** Latreille, 1796

*Euclita* Hübner, [1825]

*Rhilotis* Ragonot, 1891

*Agriope* Ragonot, 1894

7.17 5517 **caprealis** (Hübner, [1800-09]) (McD 5752) 6.17

*capreolatus* (Haworth, 1809)

*cuprealis* auct., missp.

*domalis* Guenée, 1854

*enthealis* (Hulst, 1886)

*cuprialis* Heinrich, 1931, missp.

Stored grain moth

Range.- I-III (e. U.S. [introd?]: NY-FL/MO-TX; Europe; Australia)

Dates.- Feb, May, Oct

Hosts.- detritus

5518 **cuprina** Zeller, 1872 (McD 5753)

Range.- I-IV (e. U.S.: NM-FL/IL-TX)

Dates.- Feb, Apr-Oct

Hosts.- detritus

**PSEUDASOPIA** Grote, 1873

5526 **intermedialis** (Walker, 1862) (McD 5766) 6.19

*sodalis* (Walker, 1869)

*squamealis* Grote, 1873

Range.- I-IV (e. U.S.: NY-FL/WI-TX; West Indies; Mex.)

Dates.- Mar-Jun, Aug-Sep

Hosts.- Unknown

**DOLICHOMIA** Ragonot, 1891

*Herculia*.- auct. (not Waler, 1859)

5530 **binodulalis** (Zeller, 1872) (McD 5771) 6.20

Range.- I-V (e. U.S.: SC?-FL/MO?-TX; Mex.)

Dates.- Jan-May, Jul, Sep-Dec

Hosts.- Unknown

[5531 *sordidalis* [= *nostralis*]: see under OCRASA]

5533 **olinalis** (Guenée, 1854) (McD 5774)

*trentonalis* (Lederer, 1863)

*himonialis* (Zeller, 1872)

*infimbrialis* (Dyar, 1908)

Range.- I-IV (e. N.Am.: N.S.-FL/WI-TX)

Dates.- Jan-Nov

Hosts.- *Quercus* sp. (Fagaceae)

5.50 **NEODAVISIA** Barnes & McDunnough, 1914

*Davisia* Barnes & McDunnough, 1913, pre-occ. (Preston, 1910)

5536 **singularis** (Barnes & McDunnough, 1913) (McD 6056) T

Range.- III-VIII (FL; West Indies)

Dates.- Mar-May, Jul-Sep, Nov-Dec

Hosts.- Unknown

**OCRASA** Walker, [1866]

*Parasopia* Möschler, 1890

5531 **nostralis** (Guenée, 1854) (McD 5772) T 5.51

*helenensis* (Wollaston, 1879)

*tenuis* (Butler, 1880)

*dissimilalis* (Möschler, 1890)

*sordidalis* (Barnes & McDunnough, 1913)

*psammioxantha* (Dyar, 1917)

*venezuelensis* (Amsel, 1956)

Southern hayworm

Range.- I-VIII (se. U.S.: NC?-FL/MO?-TX; West Indies;  
 Mex.-Brazil; Asia; St. Helena)  
 Dates.- Jan-Dec  
 Hosts.- ?*Araucaria heterophylla* (Araucariaceae)  
 hay [peanut hay, alfalfa hay]

## CHRYSAUGINAE

**PARACHMA** Walker, [1866]  
*Zazaca* Walker, [1866]  
*Perseis* Ragonot, 1891, preocc. (Gistl, 1848)  
*Perseistis* Strand, 1921, repl. name  
*Artopsis* Dyar, 1908  
 5538 **ochracealis** Walker, [1866] (McD 5803) **5.55**  
*auratalis* (Walker, [1866])  
*culiculis* (Hulst, 1886)  
*ochrealis* Ragonot, 1892, missp.  
*nua* (Dyar, 1914)  
 Range.- I-VIII (se. U.S.: NC-FL/MO-AZ)  
 Dates.- Feb-Oct  
 Hosts.- Unknown

**BASACALLIS** Cashatt, 1985  
 5540 **tarachodes** (Dyar, 1914) (McD --) T  
 Range.- I-IV (se. U.S.: SC-FL/AR?-TX; Mex.-Panama)  
 Dates.- Jan-May, Aug, Dec  
 Hosts.- Unknown

**LEPIDOMYS** Guenée, 1852  
*Chalinitis* Ragonot, 1891  
 5550 **irrenosa** Guenée, 1852 (McD 5787) **5.52-53**  
*olealis* (Ragonot, 1891)  
 Range.- I-IV (se. U.S.: NC-FL/[AL]-MS)  
 Dates.- Mar-Nov  
 Hosts.- *Osmanthus americanus* (Oleaceae)

**GALASA** Walker, 1866  
*Cordylopeza* Zeller, 1873  
 5552 **nigrinodis** (Zeller, 1873) (McD 5780)  
*rubrana* Fitch, 1891, unavail. (publ. in syn.)  
*palmipes* Grote & Robinson, 1891, unavail.  
 (publ. in syn.)  
 Range.- I-VI (e. N.Am.: Ont.-FL/Man.-TX; Mex.)  
 Dates.- Jan-Dec  
 Hosts.- *Buxus* sp. (Buxaceae)

**PENTHESILEA** Ragonot, 1891  
 5554 **difficilis** (Felder & Rogenhofer, 1879)(McD 5799.1) T  
*leucogramma* (Hampson, 1904)  
 Range.- VI-VIII (FL; West Indies; C.Am.,-S.Am.)  
 Dates.- Jan-Mar, May, Jul, Sep, Nov-Dec  
 Hosts.- *Duranta repens* (Verbenaceae)  
*Stachytarpheta jamaicensis* (Verbenaceae)  
 5555 **sacculalis** Ragonot, 1891 (McD 5810)  
 Range.- I-VIII (Gulf Coast: FL-TX; Mex.)  
 Dates.- Mar-Jun, Sep-Nov  
 Hosts.- Unknown

**TOSALE** Walker, 1863  
*Fabatana* Walker, (1866)  
*Siparocera* Robinson, 1876  
*Callocera* Grote, 1875, unavail.  
*Siparocera* Robinson, 1876, redesc.  
*Restidia* Dyar, 1914

5556 **oviplagalis** (Walker, [1866]) (McD 5784)  
*anthoecioides* (Grote & Robinson, 1867)  
*nobilis* (Grote, 1875)  
*nobilis* (Robinson, 1876), redesc.  
 Range.- I-VI (e. U.S.: NY-FL/IL-TX; Mex.)  
 Dates.- Feb-Dec  
 Hosts.- Unknown

**SALOBRENA** Walker, 1863  
*Oectoperia* Zeller, 1875  
*Ballonicha* Möschler, 1886  
*Salobrana* Fernald, [1903], missp.  
*Teucronoma* Meyrick, 1936  
*Epitamyra*.- auct. (not Ragonot, 1891)  
 5560 **recurvata** (Möschler, 1886) (McD --) T  
*rubiginea* (Hampson, 1897)  
 Range.- V-VIII (FL; West Indies)  
 Dates.- Jan, Apr (stray?)  
 Hosts.- Unknown  
 5561 **vacuana** (Walker, 1863) (McD 5787.2) T **20.41**  
*birectalis* (Hampson, 1897)  
 Range.- I-VIII (FL; West Indies; S.Am.)  
 Dates.- Feb, May  
 Hosts.- Unknown

**CLYDONOPTERON** Riley, 1880  
 5563 **sacculana** (Bosc, [1800]) (McD 5793) **5.54**  
*tecomae* Riley, 1880  
 Range.- I-VIII (e. U.S.: DC-FL/MO-TX; Mex.)  
 Dates.- Feb-Dec  
 Hosts.- *Campsis radicans* (Bignoniaceae)

**BONCHIS** Walker, 1862  
*Ethnistis* Lederer, 1863  
*Vurna* Walker, [1866]  
*Zarania* Walker, [1866]  
*Gazaca* Walker, [1866]  
 5564 **munitalis** (Lederer, 1863) (McD 5787.3) T  
*instructalis* (Walker, [1866])  
*cossalis* (Walker, [1866])  
*dirutalis* (Walker, [1866])  
 Range.- VI-VIII (FL; West Indies; C.Am.-S.Am.)  
 Dates.- Oct  
 Hosts.- *Crescentia cujeta* (Bignoniaceae)  
*Parmentiera cereifera* (Bignoniaceae)  
*Tabebuia rosea* (Bignoniaceae)

**STREPTOPALPIA** Hampson, 1895  
 5565 **minusculalis** (Möschler, 1890) (McD 5787.1) T **20.39**  
*deera* (Druce, 1895)  
*ustalis* (Hampson, 1895)  
 Range.- III-VI (FL; TX; West Indies; Mex.-C.Am.)  
 Dates.- Jan-Jun, Oct-Dec  
 Hosts.- *Duranta* sp. *D. repens* (Verbenaceae)  
*Podranea ricasoliana* (Bignoniaceae)  
*Tabebuia argentea*, *T. pallida* (Bignoniaceae)

**ARTA** Grote, 1875  
*Xantippides* Dyar, 1908  
 5566 **statalis** Grote, 1875 (McD 5795)  
 Range.- I-IV (Gulf Coast: [GA]/FL-TX)  
 Dates.- Mar-Oct  
 Hosts.- Unknown  
 5568 **olivalis** Grote, 1878 (McD 5797)

[*Xantippe* n. sp.].- (Kimball, 1965), misid.

Range.- I-VIII (Gulf Coast: [GA]/FL-TX)

Dates.- Feb-Nov

Hosts.- Unknown

#### **XANTIPPE** Ragonot, 1891

*Xantippa* Hampson, 1916, missp.

\*5570 **uranides** Dyar, 1921 (McD 5801)

Range.- I-VI (Florida)

Dates.- Jan-Dec

Hosts.- Unknown

\*5570.1 [**n. sp.**]

Range.- II-IV (Florida)

Dates.- May

Hosts.- Unknown

#### **HELIADES** Ragonot, 1891

5574 **mulleolella** (Hulst, 1887) (McD 5798) T

*huachucalis* (Haimbach, 1915)

Range.- III-VIII (FL; AZ/Mex.)

Dates.- Jan-Apr, Jul-Aug, Nov-Dec

Hosts.- Unknown

### **EPIPASCHIINAE**

#### **MACALLA** Walker, [1859]

*Aradrapa* Walker, [1866], preocc. (Walker, [1866])

*Mochlocera* Grote, 1876

*Pseudomacalla* Dognin, 1908

5575 **thyrsisalis** Walker, [1859] (McD 6013) T

*mixtalis* (Walker, [1866])

*thyrsisalis* Kimball, 1965, missp.

Mahogany webworm

Range.- V-VIII (FL; West Indies; Mex.-C.Am.)

Dates.- Mar-Sep, Nov

Hosts.- *Swietenia mahogani* (Meliaceae)

5576 **phaeobasalis** Hampson, 1916 (McD 6013.1) T

Range.- VI-VIII (FL; West Indies)

Dates.- Mar-Oct

Hosts.- Unknown

5577 **superatalis** (Clemens, 1860) (McD 6014)

*borealis* (Grote, 1870)

*olivalis* (Hulst, 1886)

Range.- I-VI (e. N.Am.: Ont.-FL/IL-TX)

Dates.- Feb-Jun, Aug-Sep

Hosts.- Unknown

5579 **zelleri** (Grote, 1876) (McD 6016)

Range.- I-VI (e. U.S.: NJ-FL/IL-TX; [Mex.])

Dates.- Feb-Aug, Nov-Dec

Hosts.- Unknown

#### **DEUTEROLLYTA** Lederer, 1863

*Jocara*.- auct. (not Walker, 1863)

*Winona* Hulst, 1888

*Oedomia* Dognin, 1906

*Ajocara* Schaus, 1925

*Ajacania* Schaus, 1925

5582 **majuscula** Herrich-Schäffer, 1871 (McD 6019/6020)

*incrustalis* (Hulst, 1887) T

*infectalis* Möschler, 1890

*ferrifuscalis* (Hampson, 1906)

*obscuralis* (Schaus, 1912)

*perseella* (Barnes & McDunnough, 1913)

*musettalis* (Schaus, 1934)

Range.- II-VIII (FL; CO-TX; West Indies; Mex.-Brazil)

Dates.- Jan-Jun, Aug-Dec

Hosts.- *Nectandra coriacea* (Lauraceae)

*Persea americana* (Lauraceae)

#### **TORIPALPUS** Grote, 1878

*Tornipalpus* Knudson & Bordelon, 1999, missp.

5584 **breviornatalis** (Grote, 1877) (McD 6021)

7.22

Range.- I-III (se. U.S.: [GA]-FL/[AL]-TX)

Dates.- Apr-Oct

Hosts.- *Eriogonum tomentosum* (Compositae)

#### **CACOZELIA** Grote, 1877

5586 **interruptella** (Ragonot, 1888) (McD 6023) T

*dentilineella* Hulst, 1900

Range.- I-IV (s. U.S.: FL-AZ; West Indies; [Mex.])

Dates.- Mar

Hosts.- Unknown

#### **MILGITHEA** Schaus, 1922

5587.1 **trilinearis** (Hampson, 1906) (McD --) T

7.20

Range.- VIII (FL; West Indies)

Dates.- Mar-Apr, Jul-Aug, Dec

Hosts.- Unknown

#### **ONEIDA** Hulst, 1889

5588 **lunulalis** (Hulst, 1888) (McD 6025)

7.23

Range.- I-IV (e. N.Am.: N.S.-FL/WI-TX)

Dates.- Feb-Jul, Sep-Nov

Hosts.- Unknown

#### **TALLULA** Hulst, 1888

5590 **atramentalis** (Lederer, 1863) (McD 6054.1) T

9.13

Range.- I-VI (Gulf Coast: FL-TX; West Indies; Mex.-S. Am.)

Dates.- Jan-Dec

Hosts.- *Clerodendrum squamatum* (Verbenaceae)

*Eriobotrya japonica* (Rosaceae)

*Litchi chinensis* (Sapindaceae)

*Mangifera indica* (Anacardiaceae)

5591 **atrifascialis** (Hulst, 1886) (McD 6027)

7.24

Range.- I-VI (Gulf Coast: FL-TX)

Dates.- Feb-Oct, Dec

Hosts.- *Citrus limon*, *C. paradisi*, *C. sinensis* (Rutaceae)

*Gaylussacia* sp. (Ericaceae)

9.16 5592 **watsoni** Barnes & McDunnough, 1917 (McD 6028) T

7.25

*watoni* Knudson & Bordelon, 1999, missp.

Range.- II-VIII (FL; TX; West Indies)

Dates.- Jan-Dec

Hosts.- *Avicennia germinans* (Avicenniaceae)

*Citrus sinensis* (Rutaceae)

#### **POCOCERA** Zeller, 1848

*Tetralopha* Zeller, 1848

*Lanthaphe* Clemens, 1860

*Hemimatia* Lederer, 1863

*Benta* Walker, 1863

*Auradisa* Walker, [1866]

*Saluda* Hulst, 1888

*Katona* Hulst, 1888

*Tioga* Hulst, 1888

- Loma* Hulst, 1888  
*Wanda* Hulst, 1889  
*Attacapa* Hulst, 1889  
5595 **robustella** (Zeller, 1848) (McD 6031)  
*diluculella* (Grote, 1880)  
Pine webworm  
Range.- I-VI (e. N.Am.: Ont.-FL/WI-TX)  
Dates.- Jan-Aug, Oct-Dec  
Hosts.- *Cedrus deodora* (Pinaceae)  
*Pinus* sp., *P. caribaea*, *P. clausa*, *P. elliotii*, *P. elliotii* var. *densa*, *P. taeda* (Pinaceae)  
5596 **scortealis** (Lederer, 1863) (McD 6032/6033) 9.18  
*slossoni* (Hulst, 1895)  
*slossi* Solis, 1993, missp.  
Lespedeza webworm  
Range.- I-VIII (se. U.S.: GA?-FL/[AL]-TX)  
Dates.- Feb-Sep, Nov-Dec  
Hosts.- *Lespedeza cuneata* (Leguminosae)  
5597 **melanogrammos** (Zeller, 1872) (McD 6034) 7.26  
*malanogrammos* (Hulst, 1903), missp.  
Range.- I-IV (e. U.S.: NY-FL/MO?-TX)  
Dates.- Jan-May, Jul-Sep  
Hosts.- *Pinus elliotii* (Pinaceae)  
5600 **speciosella** (Hulst, 1900) (McD 6037)  
Range.- I-II (s. U.S.: FL-AZ; [Mex.])  
Dates.- Mar  
Hosts.- Unknown  
\*5601 **floridella** (Hulst, 1901) (McD 6038)  
Range.- IV-VIII (Florida)  
Dates.- Mar, May-Jun, Aug, Nov-Dec  
Hosts.- *Caesalpinia crista* (Leguminosae)  
5602 **subcanalis** (Walker, 1863) (McD 6039)  
*taleolalis* (Hulst, 1886)  
*talleolalis* auct., missp.  
*querciella* (Barnes & McDunnough, 1913)  
Range.- I-VI (e. U.S.: VA?-FL/IL-TX)  
Dates.- Feb-May, Jul-Aug, Oct  
Hosts.- *Carya illinoensis* (Juglandaceae)  
*Quercus* sp., *Q. laevis* (Fagaceae)  
5604 **militella** (Zeller, 1848) (McD 6040) 7.28  
*platanella* (Clemens, 1860)  
Range.- I-II (e. U.S.: NY-FL/IL-TX)  
Dates.- Apr-May, Jul-Oct  
Hosts.- *Platanus occidentalis* (Platanaceae)  
5605 **aplastella** (Hulst, 1888) (McD 6042)  
Range.- I-III (c. U.S.: FL-CO/TX)  
Dates.- Mar-May, Jul-Sep  
Hosts.- Unknown  
5606 **asperatella** (Clemens, 1860) (McD 6041)  
Range.- I-IV (e. N.Am.: N.S.-FL/WI-TX)  
Dates.- Apr-Aug, Oct  
Hosts.- *Myrica cerifera* (Myricaceae)  
*Quercus* sp. (Fagaceae)  
5617 **humereila** (Ragonot, 1888) (McD 6051)  
*formosella* Hulst, 1900  
Range.- I-IV (e. U.S.: NY-FL/IL-TX)  
Dates.- Apr-May, Jul-Sep  
Hosts.- Unknown  
5619 **baptisiella** (Fernald, 1887) (McD 6053) 7.29  
Range.- I-VI (e. U.S.: NY-FL/IL-TX)  
Dates.- Mar-May, Jul  
Hosts.- *Baptisia* sp. (Leguminosae)  
5620 **euphemella** (Hulst, 1888) (McD 6054) T  
*variella* Ragonot, 1888

- melanographella* Ragonot, 1888  
Range.- VIII (FL; TX; West Indies; [Mex.])  
Dates.- Jul (stray?)  
9.19 Hosts.- Unknown

## GALLERIINAE

## GALLERIINI

- GALLERIA** Fabricius, 1798  
*Cericlepta* Sodoffsky, 1837  
*Vindana* Walker, 1866  
5622 **mellonella** (Linnaeus, 1758) (McD 5989) 9.11-12  
*mellomella* (Linnaeus, 1767), missp.  
*cereana* (Linnaeus, 1767)  
*cerella* (Fabricius, 1775), emend.  
*cerea* (Haworth, [1811]), emend.  
*cerealis* Hübner, [1825], emend.  
*obliquella* (Walker, 1866)  
*austrinia* (R. Felder & Rogenhofer, 1875)  
ab. *crombruggheella* Dufrane, 1930  
Greater wax moth  
Range.- I-VIII (N.Am. [introd.]: Ont.-FL/B.C.-CA; West Indies; Mex.-Argentina; Old World)  
Dates.- Jan-Jun, Aug-Dec  
Hosts.- beeswax  
7.27 **ACHROIA** Hübner, [1819]  
*Meliphora* Guenée, 1845  
*Achroea* Agassiz, [1847], emend.  
*Vobrix* Walker, 1864  
*Achoria* Paddock, 1930, missp.  
9.17 5623 **grisella** (Fabricius, 1794) (McD 5995)  
*aluearia* (Fabricius, 1798)  
*alvearia* auct., missp.  
*cinereola* (Hübner, 1802)  
*alvea* (Haworth, 1811), emend.  
*alveariella* (Guenée, 1848), emend.  
*anticella* (Walker, 1863)  
*cinerola* Ragonot, 1893, missp.  
*obscurivittella* Ragonot, 1901  
f. *major* Dufrane, 1930, missp.  
var. *ifranella* D. Lucas, 1955  
Lesser wax moth  
Range.- I-IV (N.Am. [introd.]: Ont.-FL/B.C.-CA; West Indies; Mex.-Argentina; Old World)  
Dates.- Jun-Jul, Sep-Oct  
Hosts.- fruit mummies (apples, raisins)  
detritus  
crude sugar  
**TRACHYLEPIDIA** Ragonot, 1887  
*Aganactesis* Dyar, 1921  
5624 **fructicassella** Ragonot, 1887 (McD 5996.1) T  
*indecora* (Dyar, 1921)  
Range.- III-VI (FL [introd.]; West Indies; Middle East)  
Dates.- Jun, Aug-Sep  
Hosts.- *Cassia fistula* [seed pods], *C. marginata* (Leguminosae)  
7.29 *Erythrina variegata* (Leguminosae)

## MEGARTHRIINI

- OMPHALOCERA** Lederer, 1863

- 5625 **cariosa** Lederer, 1863 (McD 5778) **20.19**  
*dentosa* Grote, 1881  
 Range.- I-IV (se. U.S.: [GA]-FL/AR-TX; [Mex.])  
 Dates.- Mar-Oct  
 Hosts.- *Annona muricata* (Annonaceae)  
 5627 **munroei** Martin, 1956 (McD 5777) **20.18**  
*cariosa*.- auct., part (not Lederer, 1863)  
*monroei* Martin, 1956, missp.  
 Range.- I-V (e. U.S.: DC-FL/IL-TX)  
 Dates.- Feb-Oct  
 Hosts.- *Asimina reticulata*, *A. triloba* (Annonaceae)

**THYRIDOPYRALIS** Dyar, 1901

- 5628 **gallaerandialis** Dyar, 1901 (McD 5324) T **20.38**  
*gallerandialis* Knudson, 2002, missp.  
 Range.- IV-VIII (FL; TX; West Indies; [Mex.])  
 Dates.- May, Jul  
 Hosts.- *Randia aculeata* [stem] (Rubiaceae)

**TIRATHABINI****PARALIPSA** Butler, 1879

- Paralipsa* Spuler, 1910, emend.  
 5633 **decorella** Hulst, 1892 (McD 5993)  
 Range.- I (e. N.Am.: Ont.-FL/IL-TX)  
 Dates.- May  
 Hosts.- Unknown

**CORCYRA** Ragonot, 1885

- Tineopsis* Dyar, 1913  
 5634 **cephalonica** (Stainton, 1866) (McD 5996) T  
*oeconomella* (Mann, 1872)  
*translineella* Hampson, 1901  
*theobromae* (Dyar, 1913)  
 Rice moth  
 Range.- IV-VIII (FL [introd.]; West Indies-S. Am.; Old World)  
 Dates.- Jan-Dec  
 Hosts.- stored products (rice, grains)

**EPIMORIUS** Zeller, 1877

- 5634.1 **testaceellus** Ragonot, 1887 (McD --) T **7.18**  
 Bromeliad pod borer  
 Range.- IV-VI (FL; West Indies)  
 Dates.- Jan-Feb, May  
 Hosts.- *Tillandsia fasciculata* [flower pod] (Bromeliaceae)

**CACOTHERAPIINI****CACOTHERAPIA** Dyar, 1904

- Macrotheca* Ragonot, 1891, preocc. (Waagen, 1880)  
 \*5638 **unicoloralis** (Barnes & McDunnough, 1913) (McD 6000)  
 Range.- I-IV (Florida)  
 Dates.- Mar-Apr, Jun-Jul  
 Hosts.- Unknown  
 5639 **unipuncta** (Dyar, 1913) (McD 6001)  
 Range.- I-IV (e. U.S.: PA-FL/AR-TX)  
 Dates.- Mar-Apr, Aug-Sep  
 Hosts.- Unknown

**PHYCITINAE****PHYCITINI****ACROBASIS** Zeller, 1839

- Mineola* Hulst, 1890  
*Seneca* Hulst, 1890  
*Acrocaula* Hulst, 1900  
*Catacrobasis* Gozmany, 1958  
 5651 **indigenella** (Zeller, 1848) (McD 6115/6116)  
*nebulo* (Walsh, 1860)  
*nebulella* (Riley, 1872)  
*zelatella* (Hulst, 1887)  
*indigenella* auct., missp.  
*grossbecki* (Barnes & McDunnough, 1917)  
 Leaf crumpler  
 Range.- I-IV (N.Am.: Ont.-FL/MN-TX)  
 Dates.- Feb-May, Jul, Sep, Dec  
 Hosts.- *Cotoneaster* sp. (Rosaceae)  
*Crataegus* sp. (Rosaceae)  
*Cydonia oblonga* (Rosaceae)  
*Eriobotrya japonica* (Rosaceae)  
*Malus* sp., *Malus pumila*, (Rosaceae)  
*Prunus* sp., *P. avium*, *P. domestica* (Rosaceae)  
*Pyracantha* sp., *P. coccinea* (Rosaceae)  
 5653 **vaccinii** Riley, 1884 (McD 6114) **7.30**  
 Cranberry fruitworm  
 Range.- I-IV (e. N.Am.: N.S.-FL/WI-TX; WA [introd.])  
 Dates.- Feb-Jun  
 Hosts.- *Gaylussacia* sp. (Ericaceae)  
*Vaccinium* sp., *V. ashei*, *V. corymbosum*, *V. macrocarpum*, *V. stamineum*, *V. vitis-idaea* (Ericaceae)  
 5654 **amplexella** Ragonot, 1887 (McD 6112)  
 Range.- I-IV (e. N.Am.: Que.-FL/Ont.-AL?)  
 Dates.- Mar, May  
 Hosts.- *Kalmia angustifolia*, *K. latifolia* (Ericaceae)  
 5657 **minimella** Ragonot, 1889 (McD 6088)  
*nigrosignella* Hulst, 1890  
 Range.- I-IV (e. U.S.: MA-FL/AR-TX)  
 Dates.- Feb, Apr-May, Aug-Sep  
 Hosts.- *Quercus* sp., *Q. alba*, *Q. falcata*, *Q. laevis*, *Q. marilandica*, *Q. rubra*, *Q. velutina* (Fagaceae)  
 5661 **juglandis** (LeBaron, 1872) (McD 6082)  
 Pecan leaf casebearer  
 Range.- I-III (e. N.Am.: Ont.-FL/ND-NM)  
 Dates.- Mar, May-Jul, Sep  
 Hosts.- *Carya* sp., *C. illinoensis*  
*Juglans* sp., *J. cinerea*, *J. microcarps* (Juglandaceae)  
 5663 **kearfottella** Dyar, 1905 (McD 6079)  
 Range.- I-III (e. N.Am.: Que.-FL/IL-TX)  
 Dates.- May-Jul  
 Hosts.- *Carya* sp., *C. cordiformis*, *C. glabra*, *C. ovata*, *C. tomentosa* (Juglandaceae)  
 5666 **elyi** Neunzig, 1970  
 Range.- I (e. U.S.: CT-FL/KY?-AL?)  
 Dates.- Jun-Jul  
 Hosts.- *Carya* sp., *C. tomentosa* (Juglandaceae)  
 5667 **nuxvorella** Neunzig, 1970  
*caryae*.- auct. (not Grote, 1881)  
 Pecan nut casebearer  
 Range.- I (s. U.S.: NC-FL/OK-NM)

- Dates.- May-Sep  
 Hosts.- *Carya* sp., *C. illinoensis* (Juglandaceae)  
 5668 **evanescentella** Dyar, 1908 (McD 6086)  
 Range.- I-III (se. U.S.: GA-FL)  
 Dates.- Apr-May, Sep  
 Hosts.- *Carya* sp., *C. illinoensis* (Juglandaceae)  
 \*5668.1 **caulivorella** Neunzig, 1986  
 Range.- I-II (Florida)  
 Dates.- Apr  
 Hosts.- *Carya* sp., *C. illinoensis* (Juglandaceae)  
 5669 **stigmella** Dyar, 1908 (McD 6089)  
 Range.- I (e. N.Am.: Ont.-FL/IL-TX)  
 Dates.- May-Aug  
 Hosts.- *Carya* sp., *C. glabra*, *C. pallida*, *C. tomentosa* (Juglandaceae)  
 5670 **aurorella** Ely, 1910 (McD 6090)  
 Range.- I (e. U.S.: MA-FL/MI-TX)  
 Dates.- Jul, Oct  
 Hosts.- Unknown  
 5672 **exsulella** (Zeller, 1848) (McD 6076)  
*septentrionella* Dyar, 1925  
*peplifera* Dyar, 1925  
 Range.- I-IV (e. U.S.: MA-FL/MO-TX)  
 Dates.- Mar-Jun, Sep  
 Hosts.- *Carya* sp., *C. illinoensis*, *C. tomentosa* (Juglandaceae)  
 5674 **demotella** Grote, 1881 (McD 6092)  
 Walnut shoot moth  
 Range.- I-II (e. N.Am.: Ont.-FL/MI-TX)  
 Dates.- Mar-Apr  
 Hosts.- *Juglans nigra* (Juglandaceae)  
 5680 **ostryella** Ely, 1913 (McD 6084)  
 Range.- I-II (e. N.Am.: Ont.-FL/AR-TX)  
 Dates.- May  
 Hosts.- *Ostrya virginiana* (Betulaceae)  
 5684 **cirroferella** Hulst, 1892 (McD 6105/6109)  
*myricella* Barnes & McDunnough, 1917  
 Range.- I-VIII (se. U.S.: NC-FL/AR?-TX)  
 Dates.- Apr-Oct  
 Hosts.- *Myrica cerifera* (Myricaceae)  
 5685 **cunulae** Dyar & Heinrich, 1929 (McD 6102)  
 Range.- I (e. N.Am.: Ont.-FL/MO?-TX)  
 Dates.- May  
 Hosts.- *Carya* sp., *C. illinoensis* (Juglandaceae)  
 5686 **caryivorella** Ragonot, 1887 (McD 6078/6087/6321)  
*tumidulella* (Ragonot, 1887)  
*caryaevorella* Hulst, 1890, missp.  
*conjivorella* Hulst, 1891, missp.  
*comacornella* (Hulst, 1900)  
 Pecan nursery casemaker  
 Range.- I-III (e. N.Am.: Ont.-FL/MO-NM)  
 Dates.- Apr-May, Jul  
 Hosts.- *Carya* sp., *C. illinoensis* [buds/stems] (Juglandaceae)  
*Juglans* sp. (Juglandaceae)  
 5690 **rubrifasciella** Packard, 1873 (McD 6099/6103)  
*rubifasciella* (Beutenmüller, 1890), missp.  
*alnella* McDunnough, 1922  
*dyarella* Ely, 1910  
 Range.- I-II (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- May-Sep  
 Hosts.- *Alnus* sp., *A. rugosa* (Betulaceae)
- ANABASIS Heinrich, 1956
- 5704 **ochrodesma** (Zeller, 1881) T  
*crassisquamella* (Hampson, 1901)  
 Cassia webworm  
 Range.- I-VIII (se. U.S.: SC-FL/[AR]-TX; Mex.-S. Am.)  
 Dates.- Jan-Jun, Aug-Dec  
 Hosts.- *Cassia alata*, *C. bahamensis*, *C. fistula*, *C. javanica*, *C. nodosa*, *C. obtusifolia*, *C. revigera*, *C. siamea*, *C. tora* (Leguminosae)  
*Lysiloma* sp. (Leguminosae)
- 7.31
- 7.32 **HYPSSIPYLA** Ragonot, 1888  
 5705 **grandella** (Zeller, 1848) T  
*cnabella* Dyar, 1914  
 Mahogany shootborer  
 Range.- VI-VIII (FL; West Indies; Mex.-Brazil)  
 Dates.- Mar-Apr, Jul, Nov  
 Hosts.- *Carapa* sp. (Meliaceae)  
*Cedrela* sp., *C. mexicana*, *C. Odorata* [fruit/ stem] (Meliaceae)  
*Guarea* sp. (Meliaceae)  
*Khaya* sp. (Meliaceae)  
*Swietenia mahagoni* (Meliaceae)
- CROCIDOMERA** Zeller, 1848  
 5706 **imitata** Neunzig, 1990 T  
*turbidella*.- auct. (not Zeller, 1848)  
 Range.- VI-VIII (FL; TX; [Mex.])  
 Dates.- Sep-Nov  
 Hosts.- Unknown
- HYPARGYRIA** Ragonot, 1888  
 5711 **slossonella** (Hulst, 1900) (McD 6108) T  
*tenuella* (Barnes & McDunnough, 1913)  
 Range.- IV-VIII (FL; Mex.)  
 Dates.- Jan-May, Aug, Oct-Nov  
 Hosts.- *Hippocratea volubilis* (Celastraceae)
- ANYPSIPYLA** Dyar, 1914  
 5711.1 **univitella** Dyar, 1914 (McD --) T  
 Range.- I-VI (FL; West Indies-S. Am.)  
 Dates.- Feb-Apr  
 Hosts.- *Andira inermis* (Leguminosae)  
*Cassia brasiliensis* (Leguminosae)  
*Samanea saman* (Leguminosae)
- CHARARICA** Heinrich, 1956  
 5713 **hystriculella** (Hulst, 1889) (McD 6073) T  
 Range.- III-VI (FL; TX; Mex.)  
 Dates.- May  
 Hosts.- Unknown
- ECTOMYELOIS** Heinrich, 1956  
 5722 **decolor** (Zeller, 1881) (McD --) T  
*ephestiella* (Hampson, 1901)  
 Caribbean dried fruit moth  
 Range.- III-VIII (FL [introd.]; West Indies-Brazil)  
 Dates.- (May, Sep, Dec - larvae)  
 Hosts.- *Annona muricata*, *A. squamosa* (Annonaceae)  
*Bauhinia purpurea* (Leguminosae)  
*Bombax* sp. (Bombacaceae)  
*Ceratonia siliqua* (Leguminosae)  
*Eriobotrya japonica* [fruit mummies] (Rosaceae)  
*Hymenaea courbaril* (Leguminosae)  
*Punica granatum* (Punicaceae)



- Tamarindus* sp. (Leguminosae)  
 5723 **ceratoniae** (Zeller, 1839) (McD 6065)  
*ceratoniella* (Fischer von Röslerstamm, 1839)  
*pryerella* (Vaughan, 1870)  
*tuerckheimiella* (Sorghagen, 1881)  
*zellerella* (Sorghagen, 1881)  
*psarella* (Hampson, 1903)  
*oporedestella* (Dyar, 1911)  
*phoenicis* (Durrant, 1915)  
 Carob moth; Locust bean moth  
 Range.- III-VIII (FL [introd.]; West Indies-Argentina; Europe)  
 Dates.- Jan-Aug, Nov-Dec  
 Hosts.- *Acacia farnesiana*, *A. pincorum* (Leguminosae)  
*Calophyllum brasiliense*, *C. inophyllum* (Guttiferae)  
*Carissa grandiflora* (Apocynaceae)  
*Cassia bicapsularis* (Leguminosae)  
*Castanea sativa* (Fagaceae)  
*Ceratonia siliqua* [flower pod/seeds/fruit mummies] (Leguminosae)  
*Citrus* sp. (Rutaceae)  
*Cydonia oblonga* (Rosaceae)  
*Eriobotrya japonica* (Rosaceae)  
*Ficus carica* (Moraceae)  
*Livistona chinensis* (Palmae)  
*Phoenix dactylifera* (Palmae)  
*Punica granatum* (Punicaceae)  
*Robinia* sp. (Leguminosae)  
*Tamarindus* sp., *T. indica* (Leguminosae)  
*Ziziphus* sp.  
 dried figs, dates, raisins, nuts

**AMYELOIS** Amsel, 1956

- Paramyelois* Heinrich, 1956  
 5724 **transitella** (Walker, 1863) (McD 6058) T  
*notatalis* (Walker, 1863)  
*solitella* (Zeller, 1881)  
*duplipunctella* (Ragonot, 1881)  
*venipars* (Dyar, 1914)  
*cassiae* (Dyar, 1917)  
 Navel orangeworm  
 Range.- I-VI (s. U.S.: NC-FL/CA-AZ; West Indies; Mex.-Brazil)  
 Dates.- Jan-May, Jul, Oct-Nov  
 Hosts.- *Acacia farnesiana* (Leguminosae)  
*Aesculus glabra* (Hippocastanaceae)  
*Casasia clusiifolia* (Rubiaceae)  
*Cassia grandis* (Leguminosae)  
*Citrus paradisi*, *C. sinensis* (Rutaceae)  
*Enterolobium cyclocarpum* (Leguminosae)  
*Gleditsia triacanthos* (Leguminosae)  
*Juglans regia* (Juglandaceae)  
*Malus pumila* (Rosaceae)  
*Pithecellobium flexicaule* (Leguminosae)  
*Prunus persica* (Rosaceae)  
*Punica granatum* (Punicaceae)  
*Robinia* sp. (Leguminosae)  
*Sapindus drummondii*, *S. saponaria* (Sapindaceae)  
*Yucca* sp. (Agavaceae)  
 dates, figs

**FUNDELLA** Zeller, 1848

*Ballovia* Dyar, 1913

- 5725 **pellucens** Zeller, 1848 (McD --) T  
*cistipennis* (Dyar, 1913)  
 Caribbean pod borer  
 Range.- IV-VI (FL; West Indies-Bolivia)  
 Dates.- Jan-Mar, May, Dec  
 Hosts.- *Acacia* sp. (Leguminosae)  
*Bauhinia alba*, *B. purpurea*, *B. variegata* (Leguminosae)  
*Caesalpinia pulcherrima* (Leguminosae)  
*Cajanus indicus* (Leguminosae)  
*Canavalia ensiformis*, *C. gladiata*, *C. lineata*, *C. maritima*, *C. obtusifolia*, *C. rosea* (Leguminosae)  
*Cassia fasciculata*, *C. orientalis* (Leguminosae)  
*Phaseolus limensis* (Leguminosae)  
*Phoradendron* sp. (Lauranthaceae)  
*Pisum* sp. (Leguminosae)  
*Poinciana pulcherrima* (Euphorbiaceae)  
*Vigna repens*, *V. sinensis* (Leguminosae)  
 5726 **argentina** Dyar, 1919 (McD --) T  
*eucasis* Dyar, 1919  
 Range.- III-VIII (FL; TX; West Indies; Mex.-Argentina)  
 Dates.- Jan-May, Oct, Dec  
 Hosts.- *Albizia lebbek* (Leguminosae)  
*Bauhinia* sp. (Leguminosae)  
*Canavalia gladiata* (Leguminosae)  
*Cassia alata*, *C. bicapsularis*, *C. chamaecrista*, *C. corymbosa*, *C. stahlii* (Leguminosae)  
*Crotalaria striata* (Leguminosae)  
*Poinciana gilliesi* (Euphorbiaceae)

**ANADELOSEMIA** Dyar, 1919

- 5728 **texanella** (Hulst, 1892) (McD 6143) T  
*dulciella* (Hulst, 1900)  
 Range.- I-III (Gulf Coast: FL-TX; West Indies; [Mex.])  
 Dates.- Feb-Mar, May, Jul, Sep-Oct  
 Hosts.- Unknown

**SCORYLUS** Heinrich, 1956

- 5731.1 **cubensis** Heinrich, 1956 T  
 Range.- VIII (FL; West Indies)  
 Dates.- Aug, Oct  
 Hosts.- Unknown

**DAVARA** Walker, 1859

- Homalopalpia* Dyar, 1914  
*Eucardinia* Dyar, 1918  
 5732 **caricae** (Dyar, 1913) (McD 6119) T **7.33**  
*dalera* (Dyar, 1914)  
 Papaya webworm  
 Range.- II-VIII (FL [introd.]; West Indies; Mex.-Ecuador)  
 Dates.- Jan-Jul, Sep-Dec  
 Hosts.- *Carica papaya* (Caricaceae)  
*Lotus* sp. (Leguminosae)

**SARASOTA** Hulst, 1900

- Cuba* Dyar, 1919  
 \*5733 **plumigerella** Hulst, 1900 (McD 6120) T  
 Range.- III-VIII (Florida)  
 Dates.- Jan, Mar-Apr, Jul  
 Hosts.- *Coccoloba uvifera* (Polygonaceae)  
*Laguncularia racemosa* (Combretaceae)

**ATHELOCA** Heinrich, 1956

- 5734 **subrufella** (Hulst, 1887) (McD 6121) T  
*filiollella* (Hulst, 1888)  
*ptychis* (Dyar, 1919)  
 Palm bud moth  
 Range.- I-VIII (Gulf Coast: [GA]/FL-TX)  
 Dates.- Jan-Oct  
 Hosts.- *Sabal palmetto* (Palmae)  
*Serenoa repens* (Palmae)

**MONOPTILOTA** Hulst, 1900

- 5736 **pergratialis** (Hulst, 1886) (McD 6141) T  
*grotella* (Ragonot, 1887)  
*nubilella* (Hulst, 1900)  
 Lima-bean vine borer  
 Range.- VI (FL; West Indies)  
 Dates.- Apr-May, Jul  
 Hosts.- *Phaseolus limensis* [stem] (Leguminosae)

**ZAMAGIRIA** Dyar, 1914

- 5737 **australella** (Hulst, 1900) (McD 6232) T  
*bumeliella* (Barnes & McDunnough, 1913)  
 Range.- III-VIII (FL; TX; [Mex.])  
 Dates.- Jan, Mar-Jun, Aug-Sep, Nov-Dec  
 Hosts.- *Bumelia microcarpa* (Sapotaceae)  
 5739 **laidion** (Zeller, 1881) (McD --) T  
*deia* Dyar, 1919  
*striella* Dyar, 1919  
 Range.- IV-VIII (FL; West Indies; Guatemala-Bolivia)  
 Dates.- Jan, Apr-Aug, Nov-Dec  
 Hosts.- *Eriobotrya japonica* (Rosaceae)  
*Manilkara bahamensis*, *M. zapota* (Sapotaceae)

**ANEGCEPHALESIS** Dyar, 1917

- 5740 **arctella** (Ragonot, 1893) (McD 6176) T  
*cathaeretes* Dyar, 1917  
*catheretes* Dyar, 1919, missp.  
 Range.- III-VIII (FL; West Indies)  
 Dates.- Jan-Mar, May-Oct, Dec  
 Hosts.- *Dipholis salicifolia* (Sapotaceae)

**ANCYLOSTOMIA** Ragonot, 1893

- 5741 **stercorea** (Zeller, 1848) (McD --) T  
*ignobilis* (Butler, 1878)  
*diffissella* (Zeller, 1881)  
 Range.- I-VIII (FL; TX; West Indies; Mex.-Brazil)  
 Dates.- Feb-May, Jul-Aug  
 Hosts.- *Cajanus* sp., *C. cajan* [pods] (Leguminosae)  
*Cicer arietinum* (Leguminosae)  
*Dolichos* sp. (Leguminosae)  
*Vigna* sp., *V. sinensis* (Leguminosae)

**CARISTANIUS** Heinrich, 1956

- 5742 **decoloralis** (Walker, 1863) (McD 6228) T  
*metagrammalis* (Walker, 1863)  
*furfurellus* (Hulst, 1890)  
*floridellus* (Hulst, 1893)  
*decoloralis* (Hulst, 1890), missp.  
*decorellus* (Hulst, 1891), missp.  
 Range.- I-IV (FL; TX; Mex.)  
 Dates.- Jan-Jun, Aug-Dec  
 Hosts.- *Cassia* sp., *C. brachiata*, *C. fasciculata*, *C. robusta* (Leguminosae)  
 \*5743 **minimus** Neunzig, 1977 T

Range.- VIIIB (Florida)

7.34 Dates.- May, Sep

Hosts.- *Cassia keyensis* (Leguminosae)**ETIELLA** Zeller, 1839

- Rhamphodes* Guenée, 1845  
*Mella* Walker, 1859  
*Alata* Walker, 1863  
*Arucha* Walker, 1863  
*Modiana* Walker, 1863  
*Ceratamna* Butler, 1880  
*Modriana* Roesler, 1968, missp.  
 5744 **zinckenella** (Treitschke, 1832) (McD 6274) 20.26  
*etiella* (Treitschke, 1835), repl. name  
*colonnella* (Costa, 1836)  
*majorella* (Costa, 1836)  
*dymnusalis* (Walker, 1859)  
*heraldella* (Guenée, 1862)  
*anticalis* (Walker, 1863)  
*indicatalis* (Walker, 1863)  
*hastiferella* (Walker, [1866])  
 f. *decipiens* Staudinger, 1870  
*spartiella* Rondani, 1876  
*sabulina* (Butler, 1879)  
*madagascariensis* Saalmüller, 1879  
*schisticolor* Zeller, 1881  
*villosella* Hulst, 1887  
*rubribasella* Hulst, 1890  
*vilosella* Rogonot, 1893, missp.  
*sciivittalis*.- auct. (not Walker, [1866])  
*anticella* Whalley, 1970, missp.  
 Lima-bean pod borer  
 Range.- I-VIII (N.Am. [introd.]: RI-FL/Sask.-CA; West Indies; Mex.-Argentina; Old World tropics)  
 Dates.- Jan-Dec  
 Hosts.- *Astragalus* sp. (Leguminosae)  
*Cajanus* sp. (Leguminosae)  
*Canavalia ensiformis* [seeds] (Leguminosae)  
*Colutea* sp. (Leguminosae)  
*Crotalaria* sp., *C. mucronata*, *C. spectabilis*, *C. striata* (Leguminosae)  
*Dolichos* sp. (Leguminosae)  
*Glycine max* (Leguminosae)  
*Phaseolus* sp., *P. limensis* (Leguminosae)  
*Pisum* sp. (Leguminosae)  
*Vicia* sp. (Leguminosae)  
*Vigna* sp. (Leguminosae)

**GLYPTOCERA** Ragonot, 1889

- 5745 **consobrinella** (Zeller, 1872) (McD 6148)  
*busckella* (Dyar, 1904)  
 Range.- I-IV (e. N.Am.: Newfd.-FL/IL-TX)  
 Dates.- Apr-May, Oct-Nov  
 Hosts.- *Acer* sp. (Aceraceae)  
*Viburnum* sp. (Caprifoliaceae)

**SALEBRIARIA** Heinrich, 1956

- 5771 **turpidella** (Ragonot, 1888) (McD 6196/6198) 7.35  
*ademptanella* (Dyar, 1908)  
 Range.- I-IV (se. U.S.: NC-FL/AR-TX)  
 Dates.- Mar, Jun-Sep  
 Hosts.- *Quercus* sp. (Fagaceae)  
 5772 **nubiferella** (Ragonot, 1887) (McD 6191)  
 Range.- I (c.U.S.: IL-FL/MO-TX)

Dates.- May-Jun?  
 Hosts.- Unknown  
 5773 **engeli** (Dyar, 1906) (McD 6195)  
 Range.- I-II (e. U.S.: PA-FL/IL-TX)  
 Dates.- Feb, Apr-May  
 Hosts.- Unknown  
 5774 **annulosella** (Ragonot, 1903) (McD 6197/6211)  
*robustella* (Dyar, 1908)  
 Range.- I-IV (se. U.S.: NC-FL/AR?-TX)  
 Dates.- Mar-Jun  
 Hosts.- Unknown  
 5775 **tenebrosella** (Hulst, 1887) (McD 6192/6199)  
*quercicolella* (Ragonot, 1887)  
*heinrichalis* (Dyar, 1917)  
 Range.- I-IV (e. U.S.: MA-FL/IL-TX)  
 Dates.- Mar-Apr  
 Hosts.- *Quercus* sp. (Fagaceae)  
 5776 **pumilella** (Ragonot, 1887) (McD 6190/6210)  
*georgiella* (Hulst, 1895)  
*pumiliella* Kimball, 1965, missp.  
 Range.- I-IV (se. U.S.: GA?-FL/AR?-TX)  
 Dates.- Feb-Apr  
 Hosts.- Unknown  
 5776.1 **integra** Neunzig, 1988  
 Range.- I (se. U.S.: GA?-FL/AR?-TX)  
 Dates.- May  
 Hosts.- Unknown  
 5777.1 **atratella** A. Blanchard & Knudson, 1985  
*fructetella*.- Kimball, 1965 (not Hulst, 1892)  
 Range.- I-VIII (e. U.S.: NY-FL/MO-AZ)  
 Dates.- Mar-May, Jul  
 Hosts.- *Quercus* sp. (Fagaceae)  
 5777.2 **rufimaculatella** Neunzig, 1988  
 Range.- I-II (se. U.S.: SC?-FL/[AL]-TX)  
 Dates.- Apr  
 Hosts.- *Quercus* sp. (Fagaceae)  
 5777.3 **squamopalpiella** Neunzig, 1988  
 Range.- I-III (se. U.S.: [GA]-FL/[AL]-TX)  
 Dates.- Feb-Jun  
 Hosts.- Unknown  
 5777.4 **carolynae** Neunzig, 1988  
 Range.- I-IV (se. U.S.: SC-FL/[AL]-TX)  
 Dates.- Feb-Jun, Sep-Oct  
 Hosts.- Unknown  
 5777.5 **fasciata** Neunzig, 1988  
 Range.- I-II (se. U.S.: SC-FL/[AL]-TX)  
 Dates.- Mar-Apr  
 Hosts.- Unknown

**NEPHOPTERIX** Hübner, [1825]

*Nephopteryx* Zeller, 1839, emend.  
*Gyrtona* Walker, 1863  
*Sciota* Hulst, 1888  
*Scotia* Hannemann, 1964, missp.  
 5789 **subfuscella** (Ragonot, 1887) (McD 6212/6213)  
*semiobscorella* (Hulst, 1890)  
*pravella*.- auct., part (not Grote, 1878)  
 Sumac webworm  
 Range.- I-VI (e.N.Am.: Que.-FL/IL-TX/WA)  
 Dates.- Feb-Oct  
 Hosts.- *Rhus* sp., *R. copallina* (Anacardiaceae)  
*?Robinia* sp. (Leguminosae)  
 5793 **dammersi** Heinrich, 1956  
 a) **floridensis** Heinrich, 1956

Range.- III (Florida) [subsp.: CA-AZ]  
 Dates.- Jun  
 7.36 Hosts.- *Amorpha herbacea* (Leguminosae)  
 5794 **vetustella** (Dyar, 1904) (McD 6224)  
 Range.- I-III (e. N.Am.: Que.-FL/IL-TX)  
 Dates.- Mar, Jun  
 7.37 Hosts.- *?Amorpha* sp. (Leguminosae)  
 5797 **virgatella** (Clemens, 1860) (McD 6205)  
*quinquepunctella* (Grote, 1880)  
 Range.- I-II (e. U.S.: PA-FL/IL-TX)  
 Dates.- Feb-Jun, Aug  
 Hosts.- *Robinia pseudoacacia* (Leguminosae)  
 5802 **uvinella** (Ragonot, 1887) (McD 6183/6200)  
*afflictella* (Hulst, 1900)  
*liquidambarella* (Dyar, 1904)  
 Range.- I-III (e. U.S.: CT-FL/MO?-TX)  
 Dates.- Feb-Oct  
 Hosts.- *Liquidambar styraciflua* (Hamamelidaceae)  
 5803 **celtidella** (Hulst, 1890) (McD 6206)  
 Range.- I-V (e. U.S.: NY-FL/IL-TX)  
 Dates.- Jan-Jul, Sep  
 Hosts.- *Celtis* sp. (Ulmaceae)  
 5806 **crassifasciella** Ragonot, 1887 (McD 6163/6164/6170)  
*decipientella* Dyar, 1905  
*crataegella* Barnes & McDunnough, 1917  
 Range.- II-III (se. U.S.: MD-FL/[AR]-TX)  
 Dates.- May  
 Hosts.- *Crataegus* sp. (Rosaceae)  
*Vaccinium* sp. (Ericaceae)

**TLASCALA** Hulst, 1890

5808 **reductella** (Walker, 1863) (McD 6180)  
*gleditschiella* (Fernald, 1881)  
 Range.- I-IV (e. U.S.: NY-FL/IL-TX)  
 Dates.- Feb-Jul, Sep  
 Hosts.- *Gleditsia* sp. (Leguminosae)

**TULSA** Heinrich, 1956

5809 **finitella** (Walker, 1863) (McD 6177)  
*melanella* (Hulst, 1890)  
 Range.- I-VI (e. N.Am.: Que.-FL/MO?-TX)  
 Dates.- Jan-Jul, Sep, Nov  
 Hosts.- *Vaccinium* sp. (Ericaceae)

11.1

**ACTRIX** Heinrich, 1956

5818 **nyssaecolella** (Dyar, 1904) (McD 6174)  
 Range.- I-II (e. N.Am.: RI-FL/OH?-TX)  
 Dates.- May  
 Hosts.- *Nyssa sylvatica* (Nyssaceae)

**STYLOPALPIA** Hampson, 1901

5820.1 **lunigerella** Hampson, 1901 (McD --) T  
 Range.- VIII (FL; West Indies; C. Am.)  
 Dates.- Mar, May  
 Hosts.- Unknown

**DIORYCTRIA** Zeller, 1846

*Pinipestis* Grote, 1878  
 5841.1 **ebeli** Mutuura & Munroe, 1979 (McD 6129, part/  
 6131, part)  
*abietella*.- auct., part (not [Denis & Schiffer-  
 müller], 1775)  
*reniculella* (Grote, 1880)  
*elegantella* (Hulst, 1892)

- abietivorella*.– Kimball, 1965 (not Grote, 1878)  
South coastal coneworm  
Range.– I-IV (se. U.S.: SC-FL/AL?-LA)  
Dates.– Jan-Apr, Jun-Sep, Dec  
Hosts.– *Pinus* sp. [cones] (Pinaceae)  
5847 **disclusa** Heinrich, 1953  
*auranticella*.– auct., part (not Grote, 1883)  
Webbing coneworm  
Range.– I-V (e.N.Am: Que.-FL/Man.-MS)  
Dates.– Apr-May  
Hosts.– *Pinus* sp. [cones] (Pinaceae)  
5849 **pygmaeella** Ragonot, 1887 (McD 6136) **9.25**  
Bald cypress coneworm  
Range.– I-V (se. U.S.: VA-FL/AR?-TX)  
Dates.– Mar-Nov  
Hosts.– *Juniperus virginiana* (Cupressaceae)  
*Taxodium distichum* (Taxodiaceae)  
5852.1 **merkeli** Mutuura & Munroe, 1979  
*zimmermani*.– auct. (not Grote, 1877)  
Loblolly pine coneworm  
Range.– I-II (e. U.S.: MD-FL/MS-TX)  
Dates.– May, Sep-Oct  
Hosts.– *Pinus elliotii*, *P. palustris*, *P. taeda* (Pinaceae)  
5852.2 **taedivorella** Neunzig & Leidy, 1989  
Lesser loblolly pine coneworm  
Range.– I (se. U.S.: VA-FL/AL-TX)  
Dates.– Jun-Jul, Sep  
Hosts.– *Pinus taeda* (Pinaceae)  
5853 **amatella** (Hulst, 1887) (McD 6135) **9.22-23**  
Southern pine coneworm  
Range.– I-IV (se. U.S.: MD-FL/AR?-TX)  
Dates.– Jan-Dec  
Hosts.– *Pinus* sp., *P. elliotii*, *P. palustris* [cones/terminals] (Pinaceae)  
5863.1 **clarioralis** (Walker, 1863) (McD 6125) **9.24**  
*brunneella* (Dyar, 1904)  
Blister coneworm  
Range.– I-VIII (e. U.S.: MA-FL/AR?-TX)  
Dates.– Jan-May, Jul-Dec  
Hosts.– *Pinus elliotii* [cones] (Pinaceae)  
**ORYCTOMETOPIA** Ragonot, 1888  
5864 **fossulatella** Ragonot, 1888 (McD --) T  
Range.– III (FL; TX; West Indies; Mex.-Brazil)  
Dates.– Oct-Dec  
Hosts.– *Bauhinia mexicana* (Leguminosae)  
**LIPOGRAPHIS** Ragonot, 1887  
5889.1 **subosseella** Hulst, 1893 (McD --) T  
Range.– VIII (FL; West Indies)  
Dates.– Dec  
Hosts.– Unknown  
**ADELPHIA** Heinrich, 1956  
5890 **petrella** (Zeller, 1846) (McD 6229) **20.25**  
*ruginella* (Walker, 1863)  
*rufinalis* (Walker, 1863)  
*hapsella* (Hulst, 1887)  
Range.– I-VI (e. U.S.: NJ-FL/IA-TX)  
Dates.– Jan-Oct, Dec  
Hosts.– *Cassia aspera*, *C. deeringianna* (Leguminosae)  
**UFA** Walker, 1863  
5895 **rubedinella** (Zeller, 1848) (McD --) T **20.40**  
*translucida* (Walker, 1863)  
*rufescentalis* (Walker, 1863)  
*minualis* (Walker, 1863)  
*deprivalis* (Walker, 1863)  
*venezuelalis* Walker, 1863  
*pyrrhochrella* (Ragonot, 1888)  
Range.– III-VIII (FL; West Indies; Mex.-Argentina)  
Dates.– Jan-Dec  
Hosts.– *Phaseolus limensis* (Leguminosae)  
*Vigna luteola*, *V. sinensis* (Leguminosae)  
**ELASMOPALPUS** Blanchard, 1852  
5896 **lignosellus** (Zeller, 1848) (McD 6231) **20.27**  
*angustellus* Blanchard, 1852  
*tartarellus* (Zeller, 1872)  
*incautellus* (Zeller, 1872)  
*major* (Zeller, 1874)  
*anthracellus* Ragonot, 1888  
*carbonellus* (Hulst, 1888)  
*puer* Dyar, 1919  
Lesser cornstalk borer  
Range.– I-VIII (U.S.: MA-FL/AR?-CA; West Indies; Mex.-Argentina)  
Dates.– Jan-Dec  
Hosts.– *Allium* sp. (Liliaceae)  
*Arachis hypogaea* (Leguminosae)  
*Brassica oleracea*, *B. rapa* (Cruciferae)  
*Capsicum* sp. (Solanaceae)  
*Cyperus esculentus* [stem] (Cyperaceae)  
*Digitaria* sp. (Gramineae)  
*Fragaria* sp. (Rosaceae)  
*Gerbera jamesonii* (Compositae)  
*Glycine max* (Leguminosae)  
*Gossypium* sp. (Malvaceae)  
*Ipomoea batatas* (Convolvulaceae)  
*Lathyrus* sp. (Leguminosae)  
*Linum* sp. (Linaceae)  
*Lupinus* sp. (Leguminosae)  
*Lycopersicon esculentum* (Solanaceae)  
*Oryza sativa* (Gramineae)  
*Phaseolus* sp., *P. limensis* (Leguminosae)  
*Pisum* sp. (Leguminosae)  
*Prunus persica* (Rosaceae)  
*Robinia pseudoacacia* (Leguminosae)  
*Saccharum officinarum* (Gramineae)  
*Sesbania versicarium* (Leguminosae)  
*Solanum tuberosum* (Solanaceae)  
*Sorghum* sp. *S. bicolor*, *S. bicolor* 'Saccharatum' group, *S. bicolor* 'Subglabrescens' group, *S. halepense*, *S. sudanensis*  
*Triticum* sp. (Gramineae)  
*Vigna* sp., *V. sinensis* (Leguminosae)  
*Zea mays* (Gramineae)  
**ULOPHORA** Ragonot, 1890  
*Acromeseres* Dyar, 1919  
5900 **groteii** Ragonot, 1890 (McD 6117/6118)  
*tephrosiella* Dyar, 1904  
Range.– I-III (e. U.S.: NJ-FL/AR?-TX)  
Hosts.– Mar, May-Oct  
Hosts.– *Tephrosia* sp. [pods/seeds] (Leguminosae)

**CHORRERA** Dyar, 1914

5900.1 **extrinica** (Dyar, 1919) (McD --) T  
*extrinica* Knudson & Bordelon, 1999, missp.

Range.- VIII (FL; TX; West Indies; [Mex.])

Hosts.- Mar, Sep

Hosts.- *Waltheria indica* (Sterculiaceae)

**RAGONOTIA** Grote, 1888

*Ciris* Ragonot, 1887, preocc. (Koch, 1848)

*Psammia* Hampson, 1930

5902 **totalis** (Hulst, 1886) (McD 5848, part/6234/6265/6410)

*discigerella* (Ragonot, 1887)

*olivella* (Hulst, 1888)

*saganella* (Hulst, 1890)

*indianella* (Dyar, 1923)

*flavipicta* (Hampson, 1930)

Range.- I (s. U.S.: FL?-TX-CA)

Dates.- ? (stray)

Hosts.- Unknown

**ARCOLA** Shaffer, 1995, repl. name

*Vogtia* Pastrana, 1961, preocc. (Köl liker, 1853)

5908.1 **malloi** (Pastrana, 1961) T

Alligatorweed stem borer

Range.- I-VI (FL [introd.]; Guyana-Argentina)

Dates.- (Jan-Dec)?

Hosts.- *Alternanthera* sp., *A. flavescens*, *A. philoxeroides* (Amaranthaceae)

**DIVITIACA** Barnes & McDunnough, 1913

5909 **ochrella** Barnes & McDunnough, 1913 (McD 6357)

Range.- I-VI (Gulf Coast: [GA]/FL-TX)

Dates.- Feb-Apr, Dec

Hosts.- Unknown

\*5910 **simulella** Barnes & McDunnough, 1913 (McD 6356)

Range.- IV-VIII (Florida)

Dates.- Jan, Mar-May, Aug, Nov

Hosts.- Unknown

\*5911 **parvulella** Barnes & McDunnough, 1913 (McD 6355)

Range.- IV-VIII (Florida)

Dates.- Apr-May, Jul, Sep-Oct

Hosts.- *Achyranthes ramosissima* [flowers] (Amaranthaceae)

**MACRORRHINIA** Ragonot, 1887

*Dolichorrhinia* Ragonot, 1888

5913 **signifera** A. Blanchard, 1976

Range.- I-III (Gulf Coast: FL-TX)

Dates.- Jan-Feb, Apr-Nov

Hosts.- Unknown

**OCALE** Hulst, 1892

5914 **dryadella** Hulst, 1892 (McD 6359)

*platanella* (Grossbeck, 1917)

Range.- I-V (Gulf Coast: [GA]/FL-TX)

Dates.- Jan-May, Oct-Dec

Hosts.- Unknown

**HULSTIA** Ragonot, 1901

*Hulstea* Hulst, 1903, missp.

5918 **undulatella** (Clemens, 1860) (McD 6229/6341, part/

6350)

11.4

*rubiginalis* (Walker, [1866])

*obsipella* (Hulst, 1888)

*oblitella*.- Ragonot, 1889 (not Zeller, 1848)

*fumosella* (Hulst, 1900)

Sugarbeet crown borer

Range.- I-III (N.Am.: Que.-FL/B.C.-CA)

Dates.- Apr

Hosts.- *Beta vulgaris* (Chenopodiaceae)

?*Ulmus* sp. (Ulmaceae)

**HONORA** Grote, 1878

5919 **mellinella** Grote, 1878 (McD 6343)

*ochrimaculella* Ragonot, 1887

Range.- I-III (s. U.S.: NC-FL/AR?-CA/WA)

Dates.- Jan

Hosts.- *Palafoxia* sp. (Compositae)

\*5925 **dulciella** Hulst, 1900 (McD 6349)

Range.- IV (Florida)

Dates.- Jul

Hosts.- Unknown

**CANARSIA** Hulst, 1890

5926 **ulmiarrosorella** (Clemens, 1860) (McD 6332)

*pneumatella* (Hulst, 1887)

*ulmella* (Ragonot, 1887)

*fuscatella* (Hulst, 1888)

*gracilella* Hulst, 1900

*feliculella* Dyar, 1907

Range.- I (e. N.Am.: Ont.-FL/IL-TX)

Dates.- Oct

Hosts.- *Carya* sp. (Juglandaceae)

*Ulmus* sp. (Ulmaceae)

**WUNDERIA** Grossbeck, 1917

\*5928 **neacriatella** Grossbeck, 1917 (McD 6361.1)

Range.- IV-V (Florida)

Dates.- Apr-May

Hosts.- Unknown

**DIVIANA** Ragonot, 1888

11.2 5929 **eudoreella** Ragonot, 1888 (McD 6358/6362)

*edentella* (Hulst, 1890)

*eudoriella* Hulst, 1902, missp.

Range.- I-IV (se. U.S.: DC-FL/AR?-TX)

Dates.- Feb, Apr, Jun-Jul, Sep

Hosts.- Unknown

**PALATKA** Hulst, 1892

5930 **nymphaeella** (Hulst, 1892) (McD 6360)

*verecuntella* Grossbeck, 1917

Range.- I-VIII (e. U.S.: CT-FL/AR?-TX)

Dates.- Jan, Mar-May, Aug-Dec

Hosts.- *Limonium carolinianum* (Plumbaginaceae)

11.3 **CASSIANA** Heinrich, 1956

5933.1 **malacella** (Dyar, 1914) (McD --) T

Range.- VIII (FL; West Indies; Mex.)

Dates.- Feb

Hosts.- Unknown

**MESCINIA** Ragonot, 1901

\*5934 **estrella** Barnes & McDunnough, 1913 (McD 6322)

Range.- III-VIII (Florida)

11.5

Dates.- Jan-May, Jul-Aug, Nov-Dec  
 Hosts.- *Bidens* sp. [flowers] (Compositae)  
           *Melanthera radiata* (Compositae)  
 5934.1 **berosa** Dyar, 1914 (McD --) T  
 Range.- VIII (FL; West Indies; Panama)  
 Dates.- Mar  
 Hosts.- Unknown  
 5934.2 **parvula** (Zeller, 1881) (McD --) T  
           *neoparvula* Neunzig & Dow, 1993  
 Range.- VIII (FL; West Indies; C.Am.-Colombia)  
 Dates.- Mar  
 Hosts.- Unknown

**BEMA** Dyar, 1914  
           *Relmis* Dyar, 1914  
 5934.3 **neuricella** (Zeller, 1848) (McD --) T  
 Range.- IV-VIII (FL; West Indies)  
 Dates.- Feb-Apr, Aug, Nov-Dec  
 Hosts.- *Inga* sp. [seeds] (Leguminosae)

**HOMOEOSOMA** Curtis, 1833  
           *Phycidea* Zeller, 1839  
           *Lotria* Guenée, 1845  
 5935 **electellum** (Hulst, 1887) (McD 6374/6375) **11.6**  
           *opalescellum* (Hulst, 1887)  
           *texanellum* Ragonot, 1887  
           *tenuipunctellum* Ragonot, 1887  
           *differtellum* Barnes & McDunnough, 1913  
           Sunflower moth  
 Range.- I-VI (U.S.: NC?-FL/WA-CA; West Indies; Mex.-  
           Guatemala)  
 Dates.- Jan-Aug, Oct-Dec  
 Hosts.- *Anthemis* sp. [flowers] (Compositae)  
           *Aster* sp. (Compositae)  
           *Bidens* sp. (Compositae)  
           *Chrysanthemum* sp. (Compositae)  
           *Citrus sinensis* (Rutaceae)  
           *Coreopsis* sp. (Compositae)  
           *Dahlia* sp. (Compositae)  
           *Echinacea* sp. (Compositae)  
           *Gossypium* sp. (Malvaceae)  
           *Helianthus* sp. (Compositae)  
           *Heliopsis* sp. (Compositae)  
           *Opuntia* sp. (Cactaceae)  
           *Rudbeckia* sp. (Compositae)  
           *Tagetes* sp. (Compositae)  
           *Verbesina* sp. (Compositae)  
           *Viguiera* sp. (Compositae)  
 \*5935.1 **nanophasma** Neunzig, 1997 T  
 Range.- VIII (Florida)  
 Dates.- May, Aug  
 Hosts.- Unknown  
 5944 **deceptorium** Heinrich, 1956  
 Range.- I-II (e. N.Am.: Que.-FL/IL?-MS?)  
 Dates.- Nov  
 Hosts.- Unknown  
 5944.2 **pedionnastes** Goodson & Neunzig, 1993  
           *stypticellum*.- Kimball, 1965, misid. (not  
           Grote, 1878)  
 Range.- I-VII (Atlantic Coast: NJ-FL)  
 Dates.- Feb-Apr  
 Hosts.- *Cirsium* sp., *C. horridulum* (Compositae)

**PHYCITODES** Hampson, 1917

*Rotruda* Heinrich, 1956  
 5946b **reliquellus** (Dyar, 1904) (McD 6372)  
           *mucidella*.- Kimball, 1965 (not Ragonot,  
           1887)  
 Range.- I-VIII (e. N.Am.: Ont.-FL/IL-TX)  
 Dates.- Feb-Jul, Oct-Dec  
 Hosts.- *Aster* sp. (Compositae)  
           *Cirsium horridulum* (Compositae)  
           *Lactuca* sp. (Compositae)  
           *Pyrrhopappus carolinianus* (Compositae)  
           *Sonchus asper* (Compositae)

**UNADILLA** Hulst, 1890  
           *Strymax* Dyar, 1914  
 5947 **maturella** (Zeller, 1881) (McD --) T  
           *floridensis* Heinrich, 1956  
 Range.- VI-VIII (FL; TX; Mex.-Colombia)  
 Dates.- Feb-May  
 Hosts.- *Melanthera radiata* [flowers/seed pods] (Compos-  
           itae)  
           *Pluchea odorata* (Compositae)  
 5948 **erronella** (Zeller, 1881) (McD 6378) T  
           *ubacensis* (Zeller, 1881)  
           *nasutella* Hulst, 1890  
           *bipunctella* (Hampson, 1901)  
           *dorae* (Dyar, 1914)  
           *pyllis* (Dyar, 1914)  
 Range.- VI-VIII (s. U.S.: FL; TX-CA; West Indies, Mex.-  
           Colombia)  
 Dates.- Mar-Apr, Sep  
 Hosts.- *Trixis californica* (Compositae)

**LAETILIA** Ragonot, 1889  
           *Laosticha* Hulst, 1902  
           *Laitilia* Thompson, 1938, missp.  
 5949 **coccidivora** (J. H. Comstock, 1879) (McD 6309/  
           6422) **11.8**  
           *dilatifasciella* (Ragonot, 1887)  
           *hulstii* Cockerell, 1897  
           Scale-feeding snout moth  
 Range.- I-VI (U.S.: PA-FL/MO?-CA; West Indies)  
 Dates.- Feb, Apr-May, Dec  
 Hosts.- Coccoidea: *Cerococcus quercus*  
           *Ceroplastes* sp.  
           *Coccus hesperidum*  
           *Dactylopius* sp., *D. confusus*, *D. tomentosus*  
           *Eriococcus quercus*  
           *Icerya purchasi*  
           *Kermes* sp.  
           *Lecaniodiaspis* sp.  
           *Lecanium arizonensis*  
           *Neolecanium cornuparvum*  
           *Pseudococcus* sp.  
           *Pulvinaria amygdali*, *P. bigeloviae*, *P. amyg-*  
           *dali*  
           *Saissetia oleae*  
           *Toumeyella* sp., *T. numismaticum*  
           ? *Opuntia* sp. [flowers] (Cactaceae)  
 5951 **myersella** Dyar, 1910 (McD --)  
 Range.- II-V (e. U.S.: PA-FL)  
 Dates.- Jan, Apr-May  
 Hosts.- scales on *Pinus* sp. (Pinaceae)  
 5953 **fiskella** Dyar, 1904 (McD 6331)  
 Range.- I-V (se. U.S.: NC-FL/AR?-TX)

Dates.- Jan, Jul

Hosts.- Unknown (scales?)

\*5953.1 **cinerosella** Neunzig, 1997

Range.- II-III (Florida)

Dates.- Oct

Hosts.- Unknown

\*5953.2 **bellivorella** Neunzig, 1997

Range.- III (Florida)

Dates.- Feb

Hosts.- Unknown

**WELDERELLA** A. Blanchard, 1978

5964 **parvella** (Dyar, 1906) (McD 6426)

Range.- I-III (Gulf Coast: FL-TX)

Dates.- Feb-Mar, Nov (stray)

Hosts.- Unknown

**BAPHALA** Heinrich, 1956

5965.1 **pallida** (J. H. Comstock, 1879) (McD 6325/6328)

*basimaculatella* (Ragonot, 1887)

Range.- I-VI (se. U.S.: SC-FL/OK-TX)

Dates.- Jan, Mar-Apr, Nov

Hosts.- Scales (*Kermes* sp.)

**ZOPHODIA** Hübner, [1825]

*Dakrura* Grote, 1878

5968 **grossulariella** (Hübner, [1807-09]) (McD 6303)

*convolutella*.- (Hübner, 1796), misid. (not

Denis & Schiffermüller, 1775)

*grossularialis* Hübner, [1825], emend.

*grossulariae* (Riley, 1869)

*turbatella* (Grote, 1878)

*franconiella* (Hulst, 1890)

*bella* Hulst, 1892

*ihouna* Dyar, 1925

*dilatavitta* Dyar, 1925

*magnificans* Dyar, 1925

*convolutella* Monroe, 1983, missp.

Gooseberry fruitworm

Range.- I-IV (N.Am. [introd.]: Que.-FL/B.C.-CA; Europe)

Dates.- Apr

Hosts.- *Ribes* sp., *R. grossularia*, *R. nigrum* [fruit] (Saxi-  
fragaceae)

**MELITARA** Walker, 1863

*Megaphycis* Grote, 1882

5970 **prodenialis** Walker, 1863 (McD 6277)

*bollii* (Zeller, 1872)

*bolli* (Grote, 1882), missp.

Eastern blue cactus borer

Range.- I-VIII (e. U.S.: NJ-FL/OK-TX)

Dates.- Mar-Oct

Hosts.- *Opuntia* sp., *O. dillenii*, *O. humifusa*, *O. lindhei-*  
*meri*, *O. macrorrhiza*, *O. pusilla*, *O. stricta*  
(Cactaceae)

**CACTOBLASTIS** Ragonot, 1901

*Neopyralis* Brèthes, 1920

5976.1 **cactorum** (Berg, 1885) (McD --) T

Cactus moth; Tropical cactus borer

Range.- II-VIII (GA-FL [introd.]; West Indies [introd.];

Uruguay-Argentina; introd. to Australia, South

Africa, Hawaii, Mauritius)

Dates.- Jan-Dec

Hosts.- *Cleistocactus* sp. (Cactaceae)

*Opuntia* sp., *O. antillana*, *O. aurantiaca*, *O. bonar-*  
*ensis*, *O. brunnescens*, *O. canterai*, *O. cordo-*  
*bensis*, *O. delaetiana*, *O. dillenii*, *O. discolor*,  
*O. elata*, *O. ficus-indica*, *O. moniliformis*, *O.*  
*quimilo*, *O. repens*, *O. retrorsa*, *O. rubescens*,  
*O. salmiana*, *O. stenartha*, *O. stricta*, *O. stri-*  
*gata*, *O. triacantha*, *O. utkilio*, *O. vulgaris*  
(Cactaceae)

**RUMATHA** Heinrich, 1939

5978 **glaucatella** (Hulst, 1888) (McD 6311) T

Range.- I (Gulf Coast: FL-TX; Mex.)

Dates.- May-Jul (stray)

Hosts.- *Opuntia leptocaulis* (Cactaceae)

**OZAMIA** Ragonot, 1901

5987.1 **lucidalis** (Walker, 1863) (McD 6290) T

Range.- VIII (FL; West Indies)

Dates.- Jan, Jun

Hosts.- *Cereus* sp. (Cactaceae)

*Opuntia* sp., *O. dillenii*, *O. spinosissima* (Cacta-  
ceae)

**METEPHESTIA** Ragonot, 1901

5993 **simplicula** (Zeller, 1881) (McD --) T

Range.- IV-VIII (FL; West Indies-Colombia)

Dates.- Mar-Apr, Sep, Nov-Dec

Hosts.- *Indigofera* sp., *I. tinctoria*, *I. verbasifolium* (Legu-  
minosae)

**EUZOPHERA** Zeller, 1867

*Stenoptycha* Heinemann, 1865, preocc.

(Agassiz, 1862; Zeller, 1863)

*Melia* Heinemann, 1865, preocc. (Bosc, 1813)

*Pistogenes* Meyrick, 1937

*Ahwazia* Amsel, 1949

*Longignathia* Roesler, 1965

*Euzophora* auct., missp.

5995 **semifuneralis** (Walker, 1863) (McD 6316/6317) **11.9**

*aglaeella* Ragonot, 1887

*pallulella* (Hulst, 1887)

American plum borer

Range.- I-V (N.Am.: N.S.-FL/Man.-CA)

Dates.- Jan-Sep

Hosts.- *Carya* sp., *C. illinoensis* (Juglandaceae)

*Diospyros* sp. (Ebenaceae)

*Fraxinus* sp. (Oleaceae)

*Ginkgo biloba* (Ginkgoaceae)

*Juglans* sp. (Juglandaceae)

*Liquidambar* sp. (Hamamelidaceae)

*Malus pumila* [bark] (Rosaceae)

*Morus rubra* (Moraceae)

*Olea* sp. (Oleaceae)

*Populus* sp. (Salicaceae)

*Prunus* sp., *P. avium*, *P. domestica*, *P. persica* (Ro-  
saceae)

*Pyrus* sp. (Rosaceae)

*Tilia* sp. (Tiliaceae)

5996 **magnolialis** Capps, 1964

Magnolia borer

Range.- I-V (se. U.S.: NC-FL/[AR]-TX)

Dates.- Mar-May, Jul, Sep-Oct

Hosts.- *Magnolia grandiflora* (Magnoliaceae)

5997 **ostricolorella** Hulst, 1890 (McD 6319)  
 Tuliptree borer  
 Range.- I-III (se. U.S.: NC-FL/MO-TX?)  
 Dates.- Jan-May, Jul-Oct  
 Hosts.- *Liriodendron tulipifera* (Magnoliaceae)  
*Magnolia grandiflora* (Magnoliaceae)

**EULOGIA** Heinrich, 1956  
 5999 **ochrifrontella** (Zeller, 1876) (McD 6318)  
*ferruginella* (Ragonot, 1887)  
*ochrifrontella* (McDunnough, 1939), missp.  
 Range.- I-V (N.Am.: N.S.-FL/Man.-TX/Alb.-B.C.)  
 Dates.- Feb-May, Jul-Dec  
 Hosts.- *Carya illinoensis* (Juglandaceae)  
*Malus pumila* (Rosaceae)  
*Quercus* sp. (Fabaceae)

**EPHESTIODES** Ragonot, 1887  
 6001 **infinella** Ragonot, 1887 (McD 6380)  
 Range.- I-VIII (e. N.Am.: Que.-FL/MO-TX)  
 Dates.- Jan-Jun, Aug-Dec  
 Hosts.- *Ambrosia* sp. [seeds] (Compositae)  
*Prunus serotina* (Rosaceae)  
 \*6004 **erasus** Heinrich, 1956  
 Range.- II-IV (Florida)  
 Dates.- Apr-Jul, Sep-Oct  
 Hosts.- Unknown

**ASTRALEPHESTIODES** Neunzig, 1990  
 6004.1 **stictella** (Hampson, 1901) (McD --) T  
*uniformella* (Hampson, 1901)  
*granulella* (Hampson, 1901)  
 Range.- III-VIII (FL; West Indies)  
 Dates.- Mar-Jun, Aug, Oct-Dec  
 Hosts.- Unknown

**MOODNODES** Neunzig, 1990  
 6004.2 **plorella** (Dyar, 1914) (McD --) T  
 Range.- II-VIII (FL; West Indies-Panama)  
 Dates.- Feb, Apr-Jun, Aug  
 Hosts.- Unknown

**MOODNA** Hulst, 1890  
 6005 **ostrinella** (Clemens, 1860) (McD 6396)  
*obtusangulella* (Ragonot, 1887)  
*pelviculella* Hulst, 1890  
 Range.- I-VI (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Betula* sp. (Betulaceae)  
*Eriobotrya japonica* (Rosaceae)  
*Gossypium* sp. (Malvaceae)  
*Iris* sp. (Iridaceae)  
*Malus pumila* (Rosaceae)  
*Pinus* sp. (Pinaceae)  
*Prunus persica* (Rosaceae)  
*Pyrus* sp. (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Rhus* sp. (Anacardiaceae)  
*Rosa* sp. (Rosaceae)  
 6005.1 **pallidostrinella** Neunzig, 1990  
 Range.- I-VIII (e. U.S.: MA-FL/IL-TX)  
 Dates.- Jan, Mar, May-Sep  
 Hosts.- *Pinus echinata* (Pinaceae)

**VITULA** Ragonot, 1887  
*Eccopsia* Hulst, 1903  
 6007 **edmandsii** (Packard, 1864) (McD 6323)  
*dentosella* Ragonot, 1887  
*edmandsae* Heinrich, 1956, emend.  
 False wax moth; Dried fruit moth  
 Range.- I-IV (N.Am.: Que.-FL/B.C.-CA; Europe [introd.])  
 Dates.- Mar-Apr, Jun, Sep-Oct  
 Hosts.- beeswax, pollen, honeycomb

**11.10 CAUDELLIA** Dyar, 1904  
 6012 **apyrella** Dyar, 1904 (McD 6376/6377)  
*albovittella* Dyar, 1904  
 Range.- I-II (e. U.S.: MA-FL/IL-TX)  
 Dates.- Mar, Aug, Oct-Dec  
 Hosts.- *Cuscuta* sp. [seeds] (Convolvulaceae)  
 \*6012.1 **floridensis** Neunzig, 1990  
 Range.- IV-VIII (Florida)  
 Dates.- Jan-May, Aug, Dec  
 Hosts.- Unknown

**RIBUA** Heinrich, 1940  
 \*6018.1 **droozi** Neunzig, 1990  
*innoxia*.- auct., (not Heinrich, 1940)  
 Range.- II-III (Florida)  
 Dates.- Jan, Sep, Nov-Dec  
 Hosts.- fungus

**PLODIA** Guenée, 1845  
 6019 **interpunctella** (Hübner, [1810-13]) (McD 6408)  
*interpunctalis* (Hübner, [1825])  
*zeae* (Fitch, 1856)  
*castaneella* Reutti, 1898  
*latercula* (Hampson, 1901)  
*glycinivora* (Matsumura, 1917)  
*glycinivorella* (Matsumura, 1920)  
 Indian meal moth  
 Range.- I-VIII (N.Am.[introd.]: Newfd.-FL/AK-CA; West Indies: Mex.-Argentina; Old World)  
 Dates.- Jan-Dec  
 Hosts.- cereals  
 dried vegetable products  
 stored grain

**11.12 EPHESTIA** Guenée, 1845  
*Hyphantidium* Scott, 1859  
*Anagasta* Heinrich, 1956  
 6020 **kuehniella** Zeller, 1879 (McD 6399)  
*sericarium*.- auct., part (not Scott, 1859)  
*kühniella* Zeller, 1879, invalid spell.  
*fuscofasciella* (Ragonot, 1887)  
*ceratoniae*.- Thompson, 1887 (not Zeller, 1848)  
*kühmiella* Poulton, 1888, missp.  
*kuhniella* Adkin, 1892, missp.  
*kurhniella* Johnson, 1895, missp.  
*gitonella* (Druce, 1896)  
*kuehniella* D'Utra, 1901, missp.  
*lunella* Noel, 1904, missp.  
*huchinella* Craveri, 1915, missp.  
*kuchinella* Bolle, 1921, missp.  
*ischnomorpha* (Meyrick, 1931)  
 Mediterranean flour moth  
 Range.- I-VIII (N.Am. [introd.]: Que.-FL/AK-CA; West



- Indies; Mex.-Argentina; Old World)  
 Dates.- Jan-Mar, May-Jun, Oct-Dec [warehouses]  
 Hosts.- dried vegetable products  
           stored grain  
 6020.1 **columbiella** Neunzig, 1990  
 Range.- I-III (se. U.S.: NC-FL/MS-TX?)  
 Dates.- Feb-Mar, Oct  
 Hosts.- Unknown  
 6021 **elutella** (Hübner, 1796) (McD 6401)  
       *elutea* (Haworth, 1811)  
       *semirufa* (Haworth, 1811)  
       *angusta* (Haworth, 1811)  
       *rufa* (Haworth, 1811)  
       *sericarium* (Scott, 1859)  
       *roxburghii* Gregson, 1873  
       *unicolorella*.- auct., part (not Staudinger,  
       1879)  
       *infumatella* Ragonot, 1887  
       *affusella* (Ragonot, 1888)  
       *icosiella* Ragonot, 1888  
       *roxburghii* Staudinger & Rebel, 1901, missp.  
       *amarella* Dyar, 1904  
       *roxburghii* Spuler, 1913, missp.  
       *uniformata* Dufrane, 1944  
       *pterogrisella* Roesler, 1965  
       Tobacco moth; Cacao moth  
 Range.- I (N.Am. [introd.]: Que.-FL/AK?-CA; Mex.-S.  
       Am.; Old World)  
 Dates.- Jan-Dec [warehouses]  
 Hosts.- *Glycine max* [dry] (Leguminosae)  
       *Nicotiana tabacum* [dry] (Solanaceae)  
       *Theobroma cacao* [dry] (Sterculiaceae)  
       *Vigna* sp. [dry] (Leguminosae)  
       dried products  
       nuts  
       stored grain  
**CADRA** Walker, 1864  
       *Xenephestia* Gozmány, 1958  
 6022 **cautella** (Walker, 1863) (McD 6403)  
       *defectella* Walker, 1864  
       *desuetella* (Walker, 1866)  
       *cahiritella*.- auct., part (not Zeller, 1867)  
       *passulella* (Barrett, 1875)  
       *formosella* (Wileman & South, 1918)  
       *rotundatella* (Turati, 1930)  
       *irakella* (Amsel, 1959)  
       Almond moth; Fig moth  
 Range.- I-VI (N.Am. [indrod.]: N.S.-FL/B.C.-CA; West In-  
       dies; Mex.-Argentina; Old World)  
 Dates.- Jan, Apr, Jul-Sep, Nov  
 Hosts.- *Citrus* sp. [seeds] (Rutaceae)  
       *Eucalyptus* sp. (Myrtaceae)  
       *Gypsophila elegans* (Caryophyllaceae)  
       almonds [dried]  
       dried vegetable products  
       figs  
       stored grain  
 6023 **figulilella** (Gregson, 1871) (McD 6402)  
       *ficulella* (Barrett, 1875), emend.  
       *milleri* (Zeller, 1876)  
       *gypsella* (Ragonot, 1887)  
       *figuliella* (Forbes, 1923), missp.  
       *venosella* (Turati, 1926)

- figulella* (Curran, 1926), missp.  
*ernestinella* (Turati, 1927)  
 Raisin moth  
 Range.- I-VIII (s. U.S. [introd.]: FL-CA; Mex.-C.Am.; Eu-  
       rope)  
 Dates.- Jan-Dec  
 Hosts.- dried fruits (raisins)  
       stored grain  
**WAKULLA** Shaffer, 1968  
 6027 **carneella** (Barnes & McDunnough, 1913) (McD  
       6446)  
 Range.- I-VI (se. U.S.: NC-FL/[AL])  
 Dates.- Feb-Apr, Aug, Nov  
 Hosts.- Unknown  
**TAMPA** Ragonot, 1887  
 6028 **dimediatella** Ragonot, 1887 (McD 6450) **11.16**  
 Range.- I-VI (e. U.S.: VA-FL/MO-TX)  
 Dates.- Jan-Dec  
 Hosts.- Unknown  
**VARNERIA** Dyar, 1904  
 6029 **postremella** Dyar, 1904 (McD 6406)  
 Range.- I-III (e. U.S.: CT-FL/IL-TX)  
 Dates.- Feb-Mar, Aug-Oct  
 Hosts.- Unknown  
 6030 **atrifasciella** Barnes & McDunnough, 1913 (McD  
       6407)  
 Range.- I-V (Gulf Coast: FL-TX)  
 Dates.- Feb-May, Sep  
 Hosts.- Unknown  
**EURYTHMIA** Ragonot, 1887  
 6031 **hospitella** (Zeller, 1875) (McD 6385/6391)  
       *spaldingella* Dyar, 1905  
 Range.- I-V (se. U.S.: NC-FL/MO-TX)  
 Dates.- Apr-May, Jul-Nov  
 Hosts.- Unknown  
**ERELIEVA** Heinrich, 1956  
 6034 **quantulella** (Hulst, 1887) (McD 6385) T  
       *hospitella*.- auct., part (not Zeller, 1875)  
       *santiagella* (Dyar, 1919)  
 Range.- V (FL; TX; West Indies; [Mex.])  
 Dates.- Jan  
 Hosts.- *Capsicum annuum* (Solanaceae)  
       *Opuntia* sp. [seeds] (Cactaceae)  
       *Sorghum bicolor* (Gramineae)  
**CABNIA** Dyar, 1904  
 6037 **myronella** Dyar, 1904 (McD 6427) **11.13**  
 Range.- I-III (e. U.S.: MA-FL/MS-TX)  
 Dates.- Jan-May, Jul-Dec  
 Hosts.- Unknown  
**COENOCHROA** Ragonot, 1887  
       *Petaluma* Hulst, 1888  
       *Alamosa* Hampson, 1901  
 6041 **bipunctella** (Barnes & McDunnough, 1913) (McD  
       6435) **11.14**  
 Range.- I-VI (Gulf Coast: FL-TX)  
 Dates.- Jan-Nov  
 Hosts.- Unknown

**PEORIINI****PEORIA** Ragonot, 1887

*Aurora* Ragonot, 1887  
*Statina* Ragonot, 1887  
*Ceara* Ragonot, 1888  
*Calera* Ragonot, 1888  
*Altoona* Hulst, 1888  
*Cayuga* Hulst, 1888  
*Volusia* Hulst, 1890, preocc. (Robineau-Des-voidy, 1830)  
*Wekiva* Hulst, 1890  
*Osceola* Hulst, 1891, preocc. (Baird & Girard, 1853)  
*Chipeta* Hulst, 1891  
*Chipota* Hulst, 1902, missp.  
*Trivolusia* Dyar, 1903  
*Ollia* Dyar, 1904

6042 **longipalpella** (Ragonot, 1887) (McD 6411)

Range.- I-IV (se. U.S.: VA-FL/AR?-TX)

Dates.- May

Hosts.- Unknown

6043 **bipartitella** Ragonot, 1887 (McD 6411/6438)

*bipunctella*.- auct., part (not Ragonot, 1888)

*roseopennella* (Hulst, 1890)

Range.- I-IV (e. U.S.: MA-FL/IL-TX)

Dates.- Feb-May, Jul, Nov

Hosts.- *Panicum lanuginosum* (Gramineae)

6046 **floridella** Shaffer, 1968

Range.- I-III (se. U.S.: NC-FL/AL-MS)

Dates.- Apr-May, Nov-Dec

Hosts.- Unknown

6048 **gemmatella** (Hulst, 1887) (McD 6417/6418/6419)

*bistriatella* (Hulst, 1890)

*pamponerella* (Dyar, 1908)

Range.- I (e. N.Am.: Ont.-FL/IL-TX)

Dates.- ?

Hosts.- Unknown

6049 **roseotinctella** (Ragonot, 1887) (McD 6452/6453/6454)

*punctilimbella* (Ragonot, 1888)

*bifasciella* (Hampson, 1901)

Range.- I-VI (e. U.S.: NJ-FL/IL-TX)

Dates.- Mar-Oct

Hosts.- Unknown

6053 **approximella** (Walker, [1866]) (McD 6437/6439)

*haematica* (Zeller, 1872)

*roseatella* (Packard, 1873)

*cremorica* (Hampson, 1918)

ange.- I-II (N.Am.: N.S.-FL/Alb.-NM)

Dates.- Mar, May-Sep

Hosts.- Unknown

6054 **luteicostella** (Ragonot, 1887) (McD 6436/6458)

*nodosella* (Hulst, 1890)

*perlepidella* (Hulst, 1892)

Range.- I-V (se. U.S.: GA-FL/[AL])

Dates.- Apr, Jun-Aug, Oct

Hosts.- Unknown

**ARIVACA** Shaffer, 1968

\*6066 **albicostella** (Grossbeck, 1917) (McD 6439.1)

Range.- IV-VI (Florida)

Dates.- Mar-May

Hosts.- Unknown

**ATASCOSA** Hulst, 1890

6067 **glareosella** (Zeller, 1872) (McD 6354/6420)

*bicolorella* Hulst, 1890

*albocostella* (Hulst, 1900)

Range.- I-VI (Atlantic/Gulf Coast: MA-FL/TX)

Dates.- Mar, Aug-Oct

Hosts.- Unknown

**HOMOSASSA** Hulst, 1890

6068 **ella** (Hulst, 1887) (McD 6442)

**11.15**

Range.- I-VI (se. U.S.: NC-FL/AL-TX)

Dates.- Feb-Oct

Hosts.- Unknown

6069 **platella** Shaffer, 1968

Range.- I-VI (Gulf Coast: FL-TX)

Dates.- Feb-May

Hosts.- Unknown

**GOYA** Ragonot, 1888

*Arothoures* A. Blanchard, 1975

6073 **stictella** (Hampson, 1918) (McD --)

Range.- I-IV (se. U.S.: MS-FL/AR-TX)

Dates.- Apr, Jun-Aug, Oct

Hosts.- Unknown

[THYRIDIDAE: see after HYBLAEIDAE, p. 266]

[HYBLAEIDAE: see after YPONOMEUTIDAE, p. 266]

**PTEROPHOROIDEA****PTEROPHORIDAE****PTEROPHORINAE****PLATYPTILIINI****SPHENARCHES** Meyrick, 1886

*Sphenarctes* Carus, 1887, missp.

*Sphenarchis* Tutt, 1905, emend.

6090.1 **anisodactyla** (Walker, 1864) (McD --) T

*diffusalis* (Walker, 1864)

*direptalis* (Walker, 1864)

*synophrys* Meyrick, 1886

*vilis*.- (Matsumura, 1905), misid. (not Butler, 1881)

*caffer*.- Fletcher, 1909, misid. (not Zeller, 1852)

*chroesus* Strand, 1913

*dolichos* (Matsumura, 1931)

Range.- II-VI (FL; TX; West Indies; [Mex.]; Old World)

Dates.- Oct

Hosts.- *Dolichos lablab* (Leguminosae) [flowers]

*Thalia geniculata* [flowers] (Marantaceae)

**BUCKLERIA** Tutt, 1905

6098 **parvulus** (Barnes & Lindsey, 1921) (McD 6459)

Range.- I-VI (se. U.S.: SC?-FL/AR-TX?)

Dates.- Apr-May, Sep-Nov

Hosts.- *Drosera* sp. *D. brevifolia*, *D. intermedia*, *D. tilifor-mis* (Droseraceae)

**TRICHOPTILUS** Walsingham, 1880

6100 **californicus** (Walsingham, 1880) (McD 6461)

*wrightii* Grinnell, 1908

Range.- I-VII (N.Am.: UT-FL/B.C.-CA)  
 Dates.- Mar-Aug, Oct, Dec  
 Hosts.- (Compositae)  
 6101 **pygmaeus** Walsingham, 1880 (McD 6462)  
 Range.- I-VII (s. U.S.: DC?-FL/[AL]-CA)  
 Dates.- Oct  
 Hosts.- *Chrysopsis scabella* (Compositae)

**MEGALORHIPIDA** Amsel, 1935

*Megalorhipida* Amsel, 1935, missp.  
 6104 **leucodactyla** (Fabricius, 1794) (McD 6460) T  
*defectalis* (Walker, 1864)  
*congrualis* (Walker, 1864)  
*oxydactylus* (Walker, 1864)  
*hawaiiensis* (Butler, 1881)  
*ochrodactylus* (Fish, 1881)  
*centetes* (Meyrick, 1886)  
*comsochares* (Meyrick, 1886)  
*ralumensis* (Pagenstecher, 1900)  
*derelectus* (Meyrick, 1926)  
*palaestinensis* Amsel, 1935, incom. spell.  
*palästinalis* Amsel, 1935  
 Range.- I-VIII (s. U.S.: FL-AZ; West Indies; Mex.-Brazil;  
 Hawaii; Old World tropics)  
 Dates.- Jan, Mar, May-Aug, Oct-Dec  
 Hosts.- *Amaranthus* sp. (Amaranthaceae)  
*Boerhavia repens* (Nyctaginaceae)  
*Okenia hypogaea* (Nyctaginaceae)

**PLATYPTILIA** Hübner, [1825]

*Platyptilus* Zeller, 1841, emend.  
*Gillmeria* Tutt, 1905  
*Fredericina* Tutt, 1905  
 6109 **carduidactyla** (Riley, 1869) (McD 6477)  
*cardui* Zeller, 1873  
*hesperis* Grinnell, 1908  
 Artichoke plume moth  
 Range.- I-IV (e. N. Am.: Lab.-FL/Man.-CA)  
 Dates.- Sep-Oct  
 Hosts.- *Arctium minus* (Compositae)  
*Centaurea melitensis* (Compositae)  
*Cirsium* sp., *C. arvense*, *C. discolor*, *C. vulgare*  
 (Compositae)  
*Cynara cardunculus*, *C. scolymus* (Compositae)  
*Silybum marianum* (Compositae)

**LANTANOPHAGA** Zimmerman, 1958

6119 **pusillidactyla** (Walker, 1864) (McD 6471.1) T  
*technidion* (Zeller, 1877)  
*hemimetra* (Meyrick, 1886)  
*lantana* (Busck, 1914)  
*lantanadactyla* (Amsel, 1951)  
 Lantana plume moth  
 Range.- III-VIII (FL; TX; West Indies; [Mex.])  
 Dates.- Jan-Jul, Oct-Dec  
 Hosts.- *Caperonia* sp. (Euphorbiaceae)  
*Lantana* sp. (Verbenaceae)  
*Phyla lanceolata* (Verbenaceae)

**MARIANA** Prola & Racheli, 1984

6119.1 **taprobanes** (Felder & Rogenhofer, 1875) (McD --)  
*brachymorpha*.- auct., part (not Meyrick, 1888)  
*seeboldi*.- auct., part (not Hofmann, 1898)  
*pheonicodactyla*.- auct., part (not Chrétien, 1915)

*terlizzii*.- auct., part (not Turati, 1926)  
*crenulata*.- (Kimball, 1965), misid. (not Barnes & McDunnough, 1913)  
*edwardsii*.- (Kimball, 1965), misid. (not Fish, 1881)

Range.- I-VI (s. U.S.: GA?-FL/AR?-CA)  
 Dates.- Feb-Aug, Oct-Dec  
 Hosts.- *Phyla lanceolata* [seed heads] (Verbenaceae)

**LIOPTILODES** Zimmerman, 1958

6120 **parvus** (Walsingham, 1880) (McD 6506)  
*taprobanes*.- auct. (not Felder & Rogenhofer, 1875)  
*crenulata* (Barnes & McDunnough, 1913)  
*insperata* (Meyrick, 1921)  
*trigonometra* (Meyrick, 1931)  
*partiseca* (Meyrick, 1931)  
 Range.- I-VIII (s. U.S.: GA?-FL/AR?-CA)  
 Dates.- Jan-Feb, Apr-Jun, Oct-Dec  
 Hosts.- *Aster puniceus* var. *elliottii* (Compositae)  
*Erigeron strigosus* (Compositae)  
*Solidago odora* (Compositae)

**STENOPTILODES** Zimmerman, 1958

6122 **brevipennis** (Zeller, 1883) (McD 6472.1) T  
 Range.- II-VIII (FL; TX; West Indies?/Mex.-Brazil; w.  
 Africa; se. Asia-Fiji)  
 Dates.- May-Jun, Oct, Dec (stray?)  
 Hosts.- Unknown  
 6125 **carolina** (Kearfott, 1907) (McD 6488)  
 Range.- I (U.S.: NJ-FL/UT-CA)  
 Dates.- May, Sep  
 Hosts.- Unknown  
 6127 **auriga** (Barnes & Lindsey, 1921) (McD 6489)  
 Range.- I (U.S.: NJ-FL)  
 Dates.- Mar  
 Hosts.- *Gerardia* sp. (Scrophulariaceae)

**EXELASTIS** Meyrick, 1907

*Marasmarcha*.- auct. (not Meyrick, 1886)  
 6142.1 **montischristi** (Walsingham, 1897) (McD 6503) T  
*monti-christi* (Walsingham, 1897), incorr.  
 spell.  
*cervinicolor* (Barnes & McDunnough, 1913)  
 Range.- I-VIII (FL; TX; West Indies; [Mex.])  
 Dates.- Jan, Apr-May, Sep-Nov  
 Hosts.- Unknown  
 6142.2 **pumilio** (Zeller, 1873) (McD 6504) **11.18**  
*liophanes* Meyrick, 1886  
*gilvidorsis* (Hedemann, 1896), part  
 Range.- I-VI (e. U.S.: NJ-FL/IL-TX; se. Asia)  
 Dates.- Feb-Mar, May-Dec  
 Hosts.- *Ambrosia* sp. (Compositae)  
*Desmodium* sp., *D. lineatum* (Leguminosae)

**STENOPTILIA** Hübner, [1825]

*Mimaeseoptilus* Wallengren, 1862  
*Mimeseoptilus* Zeller, 1867, emend.  
*Mimaeseoptilus* Snellen, 1884, missp.  
*Doxosteres* Meyrick, 1886  
*Mimaeseoptilus* Barrett, 1904, missp.  
*Adkinia* Tutt, 1905  
*Adkina* Yano, 1963, missp.  
 \*6143.1 **rhynchosiæ** (Dyar, 1898) (McD 6505)  
 Range.- III-VI (Florida)

Dates.– Jun-Aug  
 Hosts.– *Rhynchosia* sp., *R. cinerea* (Leguminosae)  
 6145 **pallistriga** Barnes & McDunnough, 1913 (McD 6509)  
*zophodactyla*.– Kimball, 1965 (not Duponchel, 1838)  
 Range.– I-IV (se. U.S.: [GA]-FL/[AL]-TX)  
 Dates.– Jan, Mar, May, Jul, Sep-Nov  
 Hosts.– Unknown

## PTEROPHORINI

**PSELNOPHORUS** Wallengren, 1881  
*Gypsochaeres* Meyrick, 1890  
*Crasimetus* Meyrick, 1890  
 6154 **belfragei** (Fish, 1881) (McD 6516) **11.19**  
 Range.– I-VI (Gulf Coast: FL-TX)  
 Dates.– Jan-Sep, Nov-Dec  
 Hosts.– *Dichondra carolinensis* (Convolvulaceae)  
**ADAINA** Tutt, 1905  
*Pterophorus*.– Spuler, 1910 (not Schäffer, 1766)  
 6155 **bipunctata** (Möschler, 1890) (McD 6517) T  
*simplicia* (Grossbeck, 1917)  
 Range.– I-VIII (Gulf Coast: FL-TX; West Indies; [Mex.])  
 Dates.– Jan-Dec  
 Hosts.– *Pluchea purpurascens* (Compositae)  
 \*6159 **buscki** Barnes & Lindsey, 1921 (McD 6521)  
 Range.– I-VIII (Florida)  
 Dates.– Mar-Apr, Jun, Nov  
 Hosts.– *Ipomoea indica* (Convolvulaceae)  
 6160 **ambrosiae** (Murtfeldt, 1880) (McD 6522) T **11.20**  
*participatus* (Möschler, 1890)  
*perplexa* (Grossbeck, 1917)  
 Range.– I-VIII (U.S.: PA-FL/MO-CA; West Indies)  
 Dates.– Jan-Feb, Apr-Jul, Sep-Dec  
 Hosts.– *Ambrosia* sp., *A. artemisiifolia* (Compositae)  
*Borrichia frutescens* (Compositae)  
*Melanthera aspera*, *M. nivea* (Compositae)  
*Pluchea rosea* (Compositae)

**LEIOPTILUS** Wallengren, 1862  
*Oidaematophorus*.– auct. (not Wallengren, 1862)  
*Lioptilus* Zeller, 1867, emend.  
*Hellinsia* Tutt, 1905  
 6168 **eupatorii** (Fernald, 1891) (McD 6529)  
 Range.– I (e. N.Am.: Que.-FL/Man.-TX?)  
 Dates.– May  
 Hosts.– *Eupatorium* sp. (Compositae)  
 6186 **inquinatus** (Zeller, 1873) (McD 6546)  
 Range.– I-V (U.S.: PA-FL/IL-CA; Mex.)  
 Dates.– Apr-May, Oct  
 Hosts.– *Ambrosia artemisiifolia* (Compositae)  
 \*6186.2 [**n. sp.**]  
*venapunctus*.– Kimball, 1965 (not Barnes & Lindsey, 1921)  
*venapunctatus* Kimball, 1965, missp.  
 Range.– IV (Florida)  
 Dates.– Feb, May-Jun, Sep-Oct  
 Hosts.– *Conyza canadensis* (Compositae)  
*Happlopappus divaricatus* (Compositae)  
 6205 **stramineus** (Walsingham, 1880) (McD 6563)  
 Range.– I-II (N.Am.: N.S.-FL/B.C.-AZ)

Dates.– Jun  
 Hosts.– ?*Anaphalis* sp. (Compositae)  
 6207 **palaceus** (Zeller, 1873) (McD 6565)  
*sericadactylus* (Murtfeldt, 1880)  
 Range.– I-II (e. U.S.: CT-FL/NE-NM)  
 Dates.– May-Jul  
 Hosts.– *Vernonia gigantea*, *V. noveboracensis* (Compositae)  
 6210 **balanotes** (Meyrick, 1908) (McD 6569) **9.29**  
*aquila* (Meyrick, 1908)  
 Range.– I-VI (s. U.S.: FL-AZ)  
 Dates.– Jan-May, Aug-Dec  
 Hosts.– *Myrica* sp. [stem] (Myricaceae)  
*Baccharis halimifolia* (Compositae)  
 6212 **kellicottii** (Fish, 1881) (McD 6568, part)  
*chlorias* (Meyrick, 1908)  
*kellicotti* (Meyrick, 1910), missp.  
 Range.– I-VI (N.Am.: Ont.-FL/UT-AZ?)  
 Dates.– Jan-Jun, Sep, Nov  
 Hosts.– *Senecio* sp. (Compositae)  
*Solidago canadensis*, *S. fistula*, *S. gigantea* (Compositae)  
 6213 **lacteodactylus** (Chambers, 1873) (McD 6568, part/6571)  
*subochraceus*.– auct., part (not Walsingham, 1880)  
 Range.– I-VI (e. N.Am.: N.S.-FL/CO-TX)  
 Dates.– Jan, Mar-Jun, Oct, Dec  
 Hosts.– *Baccharis* sp., *B. halimifolia* [stem] (Compositae)  
 6214 **glenni** (Cashatt, 1972)  
 Range.– I-III (N.Am.: Ont.-FL/Sask.-CA)  
 Dates.– ?  
 Hosts.– *Solidago* sp., *S. canadensis* (Compositae)  
 6226 **unicolor** (Barnes & McDunnough, 1913) (McD 6581)  
 Range.– I-VI (se. U.S.: [GA]-FL/[AL]-LA)  
 Dates.– Feb-Jun, Sep-Oct, Dec  
 Hosts.– *Eupatorium* sp., *E. capillifolium* [stem] (Compositae)

**EMMELINA** Tutt, 1905  
 6234 **monodactyla** (Linnaeus, 1758) (McD 6588) **11.21**  
*pterodactyla*.– auct., part (not Linnaeus, 1761)  
*bidactyla* (Hochen, 1785)  
*galactodactyla*.– auct., part (not [Denis & Schiffermüller], 1775)  
*albodactyla* (Fabricius, 1794)  
*tephradactyla*.– auct., part, (not Hübner, [1805-13])  
*cineridactyla* (Fitch, 1854)  
*naevosidactyla* (Fitch, 1854)  
*impersonalis* (Walker, 1864)  
*pergracilidactyla* (Packard, 1873)  
*barberi* (Dyar, 1903)  
*pictipennis* (Grinnell, 1908)  
 Range.– I-V (N.Am.: N.S.-FL/B.C.-CA; Mex.; Europe-N. Africa; Asia)  
 Dates.– Jan-May, Oct, Dec  
 Hosts.– *Atriplex patula* (Chenopodiaceae)  
*Calluna vulgaris* (Ericaceae)  
*Chenopodium album* (Chenopodiaceae)  
*Convolvulus* sp. (Convolvulaceae)  
*Eupatorium purpureum* (Compositae)  
*Ipomoea purpurea* (Convolvulaceae)

Subsection **SESIINA****SESIOIDEA****SESIIDAE****TINTHIINAE****PENNISETIINI****PENNISETIA** Dehne, 1850

- Bembecia*.– auct. (not Hübner, [1819])  
*Anthrenoptera* Swinhoe, 1892  
*Lophocnema* Turner, 1917  
*Diapryra* Turner, 1917  
*Glossecia* Hampson, 1919
- 2513 **marginata** (Harris, 1839) (McD 8684)  
*pleciaeformis* (Walker, 1856)  
*odyneripennis* (Walker, 1856)  
*rubi* (Riley, 1874)  
*flavipes* (Hulst, 1881)  
 var. *albicomma* (Hulst, 1883)  
 Raspberry crown borer
- Range.– I-III (N.Am.: N.S.-FL/B.C.-CA)  
 Dates.– Jul-Nov  
 Hosts.– *Rubus* sp. (Rosaceae)

**PARANTHRENINAE****PARANTHRENINI****PARANTHRENE** Hübner, [1819]

- Memythrus* Newman, 1832  
*Paranthrena* Herrich-Schäffer, 1846, emend.  
*Sciapteron* Staudinger, 1854  
*Tarsa* Walker, 1856  
*Pseudosesia* C. Felder, 1861  
*Pseudosetia* Boisduval, 1875, missp.  
*Pramila* Moore, 1879  
*Fatua* H. Edwards, 1882, preocc. (Dejean, 1833)  
*Sciapteron* Bartel, 1912, emend.  
*Paranthrenella* Strand, 1916  
*Pseudosecia* Dalla Torre & Strand, 1925, missp.  
*Nokono* Matsumura, 1931  
*Leptocimbicina* Bryk, 1947
- 2522 **asilipennis** (Guérin-Ménéville, 1832) (McD 8800)  
*denudatum* (Harris, 1839)  
*vespipenne* (Herrich-Schäffer, 1854)  
*vespipennis* (Boisduval, 1875)  
*championi* (Druce, 1883)  
 Oak clearwing borer
- Range.– I-III (e. U.S.: MA-FL/WI-TX; Mex.- C. Am.)  
 Dates.– Feb-Jun  
 Hosts.– *Quercus* sp., *Q. laurifolia* (Fagaceae)
- 2523 **dollii** (Neumoegen, 1894) (McD 8802)  
 var. *castaneum* (Beutenmüller, 1897)  
 f. *fasciventris* Engelhardt, 1946  
 Poplar clearwing borer
- Range.– I-VI (e. U.S.: MA-FL/WI-AZ)  
 Dates.– Mar-Jun, Aug, Oct-Nov  
 Hosts.– *Populus* sp., *P. nigra* var. *italica* (Salicaceae)

*Salix* sp., *S. caroliniana* (Salicaceae)

- 2524 **tabaniformis** (Rottensburg, 1775) (McD 8792/8793)  
*asiliformis*.– ([Denis & Schiffermüller], 1775), misid. (not Rottensburg, 1775)  
*vespiformis*.– (Newman, 1832), misid. (not Linnaeus, 1761)  
*tricincta* (Harris, 1839)  
*serratiformis* (Freyer, 1842)  
*denotata* (H. Edwards, 1882)  
 f. *oslari* Engelhardt, 1946  
 European poplar clearwing borer
- Range.– I (N.Am.: Que.-FL/AK-TX; Europe)  
 Dates.– Apr-Aug  
 Hosts.– *Populus* sp., *P. canadensis*, *P. nigra* var. *italica*, *P. tremula* (Salicaceae)
- Salix* sp. (Salicaceae)
- 2527 **simulans** (Grote, 1881) (McD 8798/8799) **10.10**  
*palmii* (H. Edwards, 1887)  
*luggeri* (H. Edwards, 1891)  
 Golden oak borer
- Range.– I-III (e. N.Am.: N.S.-FL/MN-TX)  
 Dates.– Mar-Jul  
 Hosts.– *Quercus* sp., *Q. alba*, *Q. prinus* (Fagaceae)

**VITACEA** Engelhardt, 1946

- 2530 **polistiformis** (Harris, 1854) (McD 8796/8801) **10.19**  
*seminole* (Neumoegen, 1894)  
 f. *huron* Engelhardt, 1946  
 Grape root borer
- Range.– I-IV (e. U.S.: NY-FL/MI-TX)  
 Dates.– May-Jun, Aug-Oct  
 Hosts.– *Vitis lambrusca*, *V. rotundifolia* (Vitaceae)
- 2531 **scepsiformis** (H. Edwards, 1881) (McD 8797)  
 Lesser grape root borer
- Range.– I-VI (e. U.S.: NY-FL/MO-TX)  
 Dates.– Apr-May, Jul-Oct  
 Hosts.– *Parthenocissus quinquefolia*, *P. tricuspidata* var. *chii* (Vitaceae)  
*Vitis* sp. (Vitaceae)

**EUHAGENA** H. Edwards, 1881

- Larunda* H. Edwards, 1881, preocc. (Leach, 1815)  
*Gaea* Beutenmüller, 1896, repl. name
- 2534 **emphytiformis** (Walker, 1856) (McD 8771/8722)  
*solitudo* (H. Edwards, 1881)
- Range.– I (U.S.: SC-FL/WY-AZ; Mex.)  
 Dates.– May, Jul-Sep  
 Hosts.– *Gaura michauxii* (Onagraceae)

**SESIINAE****MELITTIINI****MELITTIA** Hübner, [1819]

- Eumallopoda* Wallengren, 1858  
*Parasa* Wallengren, 1863, preocc. (Moore, 1858)  
*Pansa* Wallengren, 1865, repl. name  
*Poderis* Boisduval, 1875, nom. nud.  
*Melitha* Kirby, 1879, missp.  
*Melitta* Druce, 1892, missp.  
*Premelittia* LeCerf, 1916  
*Neosphacia* LeCerf, 1916

- Melittina* LeCerf, 1917  
 2536 **cucurbitae** (Harris, 1828) (McD 8776/8777) **10.11**  
*satyriniformis* Hübner, [1827-31]  
*ceto* (Westwood, 1848)  
*amoena* H. Edwards, 1881  
 Squash vine borer  
 Range.- I-II (N.Am.: Ont.-FL/ND-TX; Mex.)  
 Dates.- Apr-Nov  
 Hosts.- *Cucurbita* sp., *C. maxima*, *C. pepo* (Cucurbitaceae)

## OSMINIINI

- OSMINIA** LeCerf, 1917  
*Signaphora* Engelhardt, 1946  
 2545 **ruficornis** (H. Edwards, 1881) (McD 8739/8757) **10.8**  
*minuta* (H. Edwards, 1881)  
*candescens* (H. Edwards, 1882)  
*marcia* (Druce, 1889)  
 Range.- I-III (s. U.S.: VA-FL/MO-AZ; Mex.)  
 Dates.- Aug-Sep  
 Hosts.- ?*Galactia* sp. (Leguminosae)

## SYNANTHEDONINI

- SYNANTHEDON** Hübner, [1819]  
*Conopia* Hübner, [1819]  
*Austrosetia* C. Felder, 1874  
*Teinotarsina* C. Felder, 1874  
*Pyrrhotaenia* Grote, 1875  
*Ichneumenoptera* Hampson, 1893  
*Vespamima* Beutenmüller, 1894  
*Sanninoidea* Beutenmüller, 1896  
*Thamnosphecia* Spuler, 1910  
*Canopia* Wileman & South, 1918, missp.  
*Scabisa* Matsumura, 1931  
*Ramosia* Engelhardt, 1946  
*Sylvora* Engelhardt, 1946  
*Synathedon* Wolfsberger, 1961, missp.  
*Tipulia* Králíček & Povolný, 1977  
 2546 **acerrubri** Engelhardt, 1925 (McD 8706)  
 Range.- I-II (e. N.Am.: N.S.-FL/NE-MS)  
 Dates.- Apr-Aug  
 Hosts.- *Acer* sp., *A. rubrum*, *A. saccharinum* (Aceraceae)  
 2547 **geliformis** (Walker, 1856) (McD 8752) **10.9**  
 Pecan bark borer  
 Range.- I-VI (se. U.S.: SC-FL/AL-MS; West Indies; Mex.)  
 Dates.- Jan-Jun, Aug-Dec  
 Hosts.- *Carya* sp., *C. illinoensis* (Juglandaceae)  
*Casuarina equisetifolia* (Casuarinaceae)  
*Cornus* sp. (Cornaceae)  
*Hibiscus* sp. (Malvaceae)  
*Quercus* sp. (Fagaceae)  
*Ulmus parvifolia* (Ulmaceae)  
 2548 **richardsi** (Engelhardt, 1946) (McD --)  
 Range.- I (s. U.S.: MD-FL/OH-MS?)  
 Dates.- Jun, Oct  
 Hosts.- Unknown  
 2549 **scitula** (Harris, 1839) (McD 8731/8733)  
*gallivorum* (Westwood, 1854)  
*hospes* (Walsh, 1867)  
*corusca* (H. Edwards, 1881)  
*aemula* (H. Edwards, 1883)  
 Dogwood borer  
 Range.- I (e. N.Am.: N.S.-FL/CO-TX)  
 Dates.- Mar-Oct  
 Hosts.- *Berchemia scandens* (Rhamnaceae)  
*Betula* sp. (Betulaceae)  
*Carya illinoensis* (Juglandaceae)  
*Castanea dentata* (Fagaceae)  
*Cornus florida* (Cornaceae)  
*Corylus* sp. (Betulaceae)  
*Cydonia oblonga* (Rosaceae)  
*Fagus* sp. (Fagaceae)  
*Malus* sp. (Rosaceae)  
*Myrica cerifera* (Myricaceae)  
*Physocarpus* sp. (Rosaceae)  
*Pinus* sp. (Pinaceae)  
*Prunus americana*, *P. domestica*, *P. persica* (Rosaceae)  
*Quercus* sp. *Q. alba* (Fagaceae)  
*Salix* sp. (Salicaceae)  
*Wisteria* sp. (Leguminosae)  
 2550 **pictipes** (Grote & Robinson, 1868) (McD 8720) **10.18**  
*inuitata* (H. Edwards, 1881)  
 Lesser peachtree borer  
 Range.- I-II (e. N.Am.: N.S.-FL/MN-TX)  
 Dates.- Mar-Dec  
 Hosts.- *Amelanchier canadensis* (Rosaceae)  
*Malus* sp. (Rosaceae)  
*Prunus americana*, *P. caroliniana*, *P. persica*, *P. serotina* (Rosaceae)  
*Pyrus communis* (Rosaceae)  
 2552 **rileyana** (H. Edwards, 1881) (McD 8696)  
*brunneipennis* (H. Edwards, 1881)  
*hyperici* (H. Edwards, 1881)  
*austini* (Engelhardt, 1946)  
 Riley's clearwing moth  
 Range.- I-II (U.S.: NY-FL/WI-AZ)  
 Dates.- Jun-Sep  
 Hosts.- *Solanum carolinense* (Solanaceae)  
 2554 **acerni** (Clemens, 1860) (McD 8726/8727) **10.13**  
*acericolum* (Germadius, 1874)  
*tepperi* (H. Edwards, 1881)  
*race buscki* (Engelhardt, 1946)  
 Maple callus borer  
 Range.- I-III (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Mar-May, Aug-Oct  
 Hosts.- *Acer* sp., *A. rubrum*, *A. saccharinum* (Aceraceae)  
 2555 **fatifera** Hodges, 1962  
 Arrowwood clearwing borer  
 Range.- I-II (e. N.Am.: Ont.-FL/WI-ID-TX)  
 Dates.- Apr-Jul  
 Hosts.- *Viburnum* sp., *V. opulus* (Caprifoliaceae)  
 2557 **alleri** (Engelhardt, 1946) (McD 8715.1)  
 Range.- I-III (se. U.S.: GA-FL/AL-MS)  
 Dates.- Feb-Nov  
 Hosts.- Unknown  
 2562 **dominicki** Duckworth & Eichlin, 1973  
 Range.- I-III (se. U.S.: NC-FL/AL-MS?)  
 Dates.- Mar-Apr  
 Hosts.- Unknown [? *Gleditsia aquatica* (Leguminosae)]  
 2566 **refulgens** (H. Edwards, 1881) (McD 8703/8743/8744)  
*marica* (Beutenmüller, 1899)  
*seminole* (Beutenmüller, 1899)  
*marcia* (Dyar, [1903]), missp.

- Range.- I-IV (e. U.S.: NJ-FL/CO?-TX)  
 Dates.- Apr-May, Jul-Sep  
 Hosts.- Unknown  
 2567 **rubrofascia** (H. Edwards, 1881) (McD 8715)  
     Black gum clearwing  
 Range.- I-III (e. U.S.: MA-FL/MI-TX)  
 Dates.- Mar-Nov  
 Hosts.- *Nyssa* sp. (Nyssaceae)  
 2571 **decipiens** (H. Edwards, 1881) (McD 8734/8735)  
     *imperfecta* (H. Edwards, 1881)  
     *nicotianae* (H. Edwards, 1881)  
     *rubrostigma* (Kellicott, 1892)  
 Range.- I-II (N.Am.: NJ-FL/CO-TX)  
 Dates.- Mar-May, Jul-Nov  
 Hosts.- *Quercus* sp., *Q. ilicifolia*, *Q. nigra* (Fagaceae)  
 2572 **proxima** (H. Edwards, 1881) (McD 8723, part)  
     *modesta* (Kellicott, 1892)  
     Willow clearwing borer  
 Range.- I (e. N.Am.: Que.-FL/Alb.-NE)  
 Dates.- Apr-Jul  
 Hosts.- *Salix* sp. (Salicaceae)  
 2573 **sapygaeformis** (Walker, 1856) (McD 8751/8753) **10.15**  
     *floridensis* (Grote, 1875)  
 Range.- I-VI (se. U.S.: GA-FL/[AL]-TX)  
 Dates.- Feb-Jul, Sep-Dec  
 Hosts.- *Quercus ilicifolia*, *Q. laurifolia*, *Q. nigra*, *Q. virginiana* [galls] (Fagaceae)  
 2575 **arkansasensis** Duckworth & Eichlin, 1973  
 Range.- I-II (e. U.S.: NJ-FL/MO-TX)  
 Dates.- Jan-Dec  
 Hosts.- Unknown  
 2577 **castaneae** (Busck, 1913) (McD 8722)  
     Chestnut clearwing borer  
 Range.- I (e. U.S.: VA-FL/KY?-AL)  
 Dates.- May-Jul  
 Hosts.- *Castanea* sp., *C. dentata* (Fagaceae)  
 2583 **exitiosa** (Say, 1823) (McD 8691/8692/8693) **9.42-43**  
     *persica* (Thomas, 1824)  
     *pepsidiformis* (Hübner, [1827-31])  
     *xiphiaeformis* (Boisduval, 1875)  
     *graefti* (H. Edwards, 1881)  
     *opalescens* (H. Edwards, 1881)  
     var. *fitchii* (H. Edwards, 1882)  
     *pacifica* (Riley, 1891)  
     var. *luminosa* (Neumoegen, 1894)  
     var. *edwardsii* (Beutenmüller, 1900)  
     *graeftii* (Beutenmüller, 1900), missp.  
     var. *barnesii* (Beutenmüller, 1900)  
     *fitchi* (Dalla Torre & Strand, 1925), missp.  
     Peachtree borer  
 Range.- I-III (N.Am.: N.S.-FL/B.C.-CA)  
 Dates.- Jan, Mar-May, Aug-Oct  
 Hosts.- *Amelanchier arborea* (Rosaceae)  
     *Diospyros virginiana* (Ebenaceae)  
     *Malus* sp. (Rosaceae)  
     *Prunus* sp., *P. amygdalus*, *P. avium*, *P. caroliniana*, *P. domestica*, *P. laurocerasus*, *P. maritima*, *P. persica*, *P. persica nectarina*, *P. serotina* (Rosaceae)  
**PODOSESIA** Möschler, 1879, repl. name  
     *Grotea* Möschler, 1876, preocc. (Cresson, 1864)  
 2588 **aureocincta** Purrington & Nielsen, 1977  
     Banded ash clearwing

- Range.- I-III (e. U.S.: NY-FL/IL-TX)  
 Dates.- Jun-Dec  
 Hosts.- *Fraxinus* sp. (Oleaceae)  
 2589 **syringae** (Harris, 1839) (McD 8768/8769) **10.17**  
     *longipes* (Möschler, 1876)  
     *fraxini* (Lugger, 1891)  
     Lilac borer; Ash borer  
 Range.- I-VIII (N.Am.: N.S.-FL/WA-CA)  
 Dates.- Mar-Jul, Dec  
 Hosts.- *Chionanthus* sp., *C. virginicus* (Oleaceae)  
     *Fraxinus* sp., *F. americana*, *F. caroliniana*, *F. pennsylvanica* (Oleaceae)  
     *Ligustrum* sp. (Oleaceae)  
     *Syringa* sp., *S. vulgaris* (Oleaceae)  
     *Olea europaea* (Oleaceae)  
**SANNINA** Walker, 1856  
     *Saunina* Boisduval, 1875, missp.  
     *Sospita* H. Edwards, 1882, preocc. (Rafinesque, 1815)  
     *Phemonoe* H. Edwards, 1882, repl. name  
 2590 **uroceriformis** Walker, 1856 (McD 8765) **10.14**  
     *quinquecaudata* (Ridings, 1862)  
     *uroceripennis* Boisduval, 1875  
     Persimmon borer  
 Range.- I-III (U.S.: NJ-FL/MT-TX)  
 Dates.- Jan-Feb, Apr-Jul  
 Hosts.- *Diospyros kaki*, *D. virginiana* (Ebenaceae)  
**CARMENTA** H. Edwards, 1881  
 2591.1 **laurelae** L. Brown, Eichlin & Snow, 1986 **10.12**  
 Range.- II-III (se. U.S.: GA-FL)  
 Dates.- May-Jun  
 Hosts.- Unknown (cypress swamps)  
 2592 **anthracipennis** (Boisduval, [1875]) (McD 8707/8712/8756)  
     *sanborni* H. Edwards, 1881  
     *morula* (H. Edwards, 1881)  
 Range.- I-III (e. N.Am.: MA-FL/Man.-TX)  
 Dates.- Sep-Oct  
 Hosts.- *Liatris* sp., *L. punctata*, *L. scariosa* (Compositae)  
 2596 **bassiformis** (Walker, 1856) (McD 8704/8728)  
     *lustrans* (Grote, 1880)  
     *aureopurpurea* (H. Edwards, 1880)  
     *bolli* (H. Edwards, 1881)  
     *sexfasciata* (H. Edwards, 1881)  
     *consimilis* (H. Edwards, 1881)  
     *eupatorii* (H. Edwards, 1881)  
     *imitata* (H. Edwards, 1881)  
     *aureopurpurea* (J. B. Smith, 1891), missp.  
     *bollii* (J. B. Smith, 1891), missp.  
     Ironweed clearwing  
 Range.- I-II (e. U.S.: MA-FL/WI-TX)  
 Dates.- Apr-Sep  
 Hosts.- *Vernonia crinita*, *V. noveboracensis* (Compositae)  
 2600 **ithacae** (Beutenmüller, 1897) (McD 8732)  
     *koebelei* (H. Edwards, 1881)  
 Range.- I (e. N.Am.: NY-FL/Man.-AZ; Mex.)  
 Dates.- May-Sep  
 Hosts.- *Helenium autumnale* (Compositae)  
     *Heliopsis helianthoides* (Compositae)  
     *Parthenium hysterophorus* (Compositae)  
 2603 **odda** Duckworth & Eichlin, 1977  
 Range.- I (se. U.S.: SC-FL/[MS]-TX)  
 Dates.- May-Jun

Hosts.- Unknown

2608 **pyralidiformis** (Walker, 1856) (McD 8755)

*nigella* (Hulst, 1881)

var. *aurantis* Engelhardt, 1946

Range.- I-III (e. N.Am.: N.S.-FL/MI-TX)

Dates.- Aug-Oct

Hosts.- *Eupatorium* sp., *E. album*, *E. perfoliatum*, *E. sessilifolium* (Compositae)

2612 **suffusata** Engelhardt, 1946

Range.- I-III (se. U.S.: GA-FL/OK-TX)

Dates.- May-Aug

Hosts.- Unknown [roots]

2614 **texana** (H. Edwards, 1881) (McD 8742) **10.7**

*wittfeldii* (H. Edwards, 1883)

*wittfeldi* (McDunnough, 1939), missp.

Range.- I-VIII (e. U.S.: SC-FL/AR-TX)

Dates.- Jan-Dec

Hosts.- *Ambrosia* sp., *A. artemisiifolia* (Compositae)

*Artemisia* sp. (Compositae)

*Eupatorium* sp., *E. serotinum* (Compositae)

*Flaveria linearis* (Compositae)

*Foeniculum vulgare* (Umbelliferae)

*Grindelia* sp. (Compositae)

*Melanthera aspera* (Compositae)

**ALCATHOE** H. Edwards, 1882

*Alcalthoe* Riley & Howard, 1891, missp.

*Alcothoe* Patch, 1908, missp.

2622 **carolinensis** Engelhardt, 1925 (McD 8686) **10.16**

*autumnalis*.- auct. (not Engelhardt, 1946)

Range.- I-III (e. U.S.: NC-FL/IN-AL?)

Dates.- Jul-Oct

Hosts.- *Clematis ligusticifolia* (Ranunculaceae)

2623 **caudata** (Harris, 1839) (McD 8685)

*cordata* Riley, 1891, missp.

var. *walkeri* Neumoegen, 1894

race *annettella* Engelhardt, 1946

*Clematis* clearwing

Range.- I (e. N.Am.: N.S.-FL/WI-LA)

Dates.- Apr-May, Sep

Hosts.- *Clematis virginiana*, *C. vitalba* (Ranunculaceae)

*Ribes americanum* (Saxifragaceae)

## URODIDAE

### GALACTICINAE

**HOMADAULA** Lower, 1899

*Paraprays* Rebel, 1910

*Stichotactis* Meyrick, 1930

*Hamadaula* Moriuti, 1977, missp.

2400.1 **anisocentra** Meyrick, 1922 (McD 8683.1) T

*usuguronis* Matsumura, 1931

*albizziae* Clarke, 1943

*Mimosa* webworm

Range.- I-II (e. U.S. [introd.]: MD-FL/IL-TX; China; Japan; Korea)

Dates.- May, Jul-Sep

Hosts.- *Albizia julibrissin* (Leguminosae)

### URODINAE

**URODUS** Herrich-Schäffer, 1854

*Trichostibas* Zeller, 1863

*Pexicnemidia* Möschler, 1890

*Paratiquadra* Walsingham, 1897

2415 **parvula** (H. Edwards, 1881) (McD 8944) **9.47**

*calligera*.- auct. (not Zeller, 1877)

*Bumelia* webworm

Range.- I-VI (se. U.S.: MD-FL/AR-TX)

Dates.- Jan-Jul, Oct-Dec

Hosts.- *Persea* sp., *P. americana*, *P. borbonia* (Lauraceae)

*Bumelia reclinata* (Sapotaceae)

*Camellia japonica* (Theaceae)

?*Quercus* sp. (Fagaceae)

## CHOREUTIDAE

### MILLIERIINAE

**PHORMOESTES** Heppner, 1982

\*2626.1 **palmettovora** Heppner, 1982 (McD 8642.1) **2.1**

Range.- I-IV (Florida)

Dates.- Mar-Jun, (Sep?)

Hosts.- *Sabal palmetto* (Palmae)

### BRENTHIINAE

**BRENTHIA** Clemens, 1860

*Microaethia* Chambers, 1878

2627 **pavonacella** Clemens, 1860 (McD 8648) **2.2**

*amphicarpeoeana* (Chambers, 1878), nom. nud.

*pavonicella* Chambers, 1878, missp.

Range.- I-II (e. U.S.: NY-FL/MN-TX; Mex.)

Dates.- Mar, May-Jun, Aug-Sep

Hosts.- *Amphicarpaea* sp. (Leguminosae)

*Apios americana* (Leguminosae)

*Desmodium* sp., *D. tortuosum* (Leguminosae)

### CHOREUTINAE

**PROCHOREUTIS** Diakonoff & Heppner, 1980

*Prochoreutis* Heppner, 1981, redesc.

2629 **inflatella** (Clemens, 1863) (McD 8649) **2.3**

*virginiella* (Clemens, 1864)

Range.- I-II (e. N.Am.: N.S.-FL/Man.-TX)

Dates.- May, Jul-Oct

Hosts.- *Scutellaria dependens*, *S. lateriflora* (Labiatae)

**TEBENNA** Billberg, 1820

*Porpe* Hübner, [1825]

*Tebeuna* Danilevsky, 1969, missp.

2647 **gnaphaliella** (Kearfott, 1902) (McD 8662) **2.4**

*gnaphiella* (Mosher, 1916), missp.

Range.- I-IV (U.S.: NH-FL/IL-TX; CA)

Dates.- Mar-May, Jul-Sep

Hosts.- *Gnaphalium* sp., *G. bicolor*, *G. chilense*, *G. pallusive*, *G. pennsylvanica*, *G. purpureum* (Compositae)

*Anaphalis* sp., *A. margaritacea* (Compositae)

*Antennaria* sp. (Compositae)

2649 **carduiella** (Kearfott, 1902) (McD 8656/8657) **2.5**

*busckiella* (Kearfott, 1902)

*carduella* (Meyrick, 1913), emend.

Range.- I-IV (e. U.S.: NJ-FL/AR?-TX)



Dates.- Jan, Mar-Apr, Sep-Oct, Dec  
 Hosts.- *Carduus* sp. (Compositae)  
*Cirsium* sp., *C. horridulum* (Compositae)

**TORTYRA** Walker, 1863

*Choregia* Felder & Rogenhofer, 1875  
*Choregia* Zeller, 1877, redesc.  
 2653 **slossonia** (Fernald, 1900) (McD 8641) T **2.6, 9.24**  
 Ficus budworm; Slosson's metalmark moth  
 Range.- IIIB-VIII (FL; Bahamas)  
 Dates.- Jan-Dec  
 Hosts.- *Ficus aurea* (Moraceae)  
 2653.1 **ioeyaneus** Heppner, 1991 T  
 Range.- VI-VIII (FL; Bahamas)  
 Dates.- Jan-Oct, Dec  
 Hosts.- *Ficus* sp. (Moraceae)

**HEMEROPHILA** Hübner, 1817

*Gauris* Hübner, [1821]  
*Walsinghamia* Riley, 1889  
*Guaris* Fernald, 1900, missp.  
 2654 **dyari** Busck, 1900 (McD 8642) T  
*biferana*. - (Kimball, 1965) (not Walker, 1863)  
 Range.- IV (FL; Bahamas)  
 Dates.- Jan, Apr  
 Hosts.- *Ficus* sp. (Moraceae)  
 \*2655 **diva** (Riley, 1889) (McD 8640) T  
 Range.- IV-VIII (Florida)  
 Dates.- Jan, Apr-Dec  
 Hosts.- *Ficus citrifolia* (Moraceae)

**ZYGAENOIDEA****ZYGAENIDAE****PROCRIDINAE****NEOPROCRIS** Jordan, 1915

*Neoproctis* Bryk, 1936, missp.  
 4618.1 **floridana** Tarmann, 1984  
 Range.- I-VI (se. U.S.: GA?-FL/AL?-MS?)  
 Dates.- Feb-Apr, Jul, Sep-Oct  
 Hosts.- *Prunus caroliniana* (Rosaceae)

**HARRISINA** Packard, 1864

*Harrisinula* Hering, 1925  
 4624 **americana** (Guérin-Ménéville, [1844]) (McD 5307) **8.18**  
*texana* Stretch, 1872  
*australis* Stretch, 1885  
 Grape leaf skeletonizer  
 Range.- I-VI (e. U.S.: NH-FL/IL-TX)  
 Dates.- Mar-Sep  
 Hosts.- *Ampelopsis* sp., *A. arborea* (Vitaceae)  
*Cissus* sp., *C. antarctica* (Vitaceae)  
*Citrus aurantium* (Rutaceae)  
*Parthenocissus quinquefolia* (Vitaceae)  
*Vitis* sp., *V. lambrusca*, *V. rotundifolia*, *V. vinifera* (Vitaceae)

**ACOLOITHUS** Clemens, 1860

4627 **rectarius** Dyar, 1898 (McD 5304)  
 Range.- I-IV (s. U.S.: GA-FL/AZ)

Dates.- Apr

Hosts.- *Prunus caroliniana* (Rosaceae)  
 4629 **falsarius** Clemens, 1860 (McD 5302) **8.17**  
*sanborni* Packard, 1864  
*samborni* Bryk, 1936, missp.

Range.- I-VI (e. U.S.: NY-FL/IL-TX)

Dates.- Mar-Jul, Sep-Nov

Hosts.- *Ampelopsis* sp. (Vitaceae)  
*Vitis* sp. (Vitaceae)

**PYROMORPHA** Herrich-Schäffer, 1854

*Malthaca* Clemens, 1860  
*Pyrrhomorpha* H. Edwards, 1884, missp.  
*Coementa* Druce, 1885  
*Caementa* Hampson, 1907, missp.  
*Euclimacia* Jordan, 1913, preocc.  
 Subgenus **PYROMORPHA** Herrich-Schäffer, 1854  
 4639 **dimidiata** Herrich-Schäffer, 1854 (McD 5293) **8.16**  
*perlucidula* (Clemens, 1860)  
*perlucida* (Kirby, 1892), missp.  
 Range.- I-II (e. N.Am.: NY-FL/Man.-TX)  
 Dates.- Apr-Aug  
 Hosts.- ?*Quercus* sp. (Fagaceae)

**LACTURIDAE****LACTURA** Walker, 1854

**2.8**  
*Dianasa* Walker, 1854  
*Mieza* Walker, 1854  
*Sarbena* Walker, 1865, preocc. (Walker, 1862)  
*Themiscyra* Walker, 1865  
*Cyptasia* Walker, 1866  
*Buxeta* Walker, 1866  
*Enaemia* Zeller, 1872  
*Psuedotalara* Druce, 1885  
*Pseudocaprima* Walsingham, 1900  
*Epidictica* Turner, 1903  
*Hedycharis* Turner, 1903  
*Eriopyrrha* Meyrick, 1913  
 14.21 2404 **basistriga** (Barnes & McDunnough, 1913) (McD 8942)  
 Range.- I-III (Gulf Coast: FL-TX; Mex.)  
 Dates.- Feb-Mar, May  
 Hosts.- Unknown  
 2405 **pupula** (Hübner, [1827-31]) (McD 8940) **20.42**  
*laeta* (Geyer, 1832)  
*igninix* (Walker, 1854)  
*crassivenella* (Zeller, 1872)  
*crassinervella* (Slosson, 1896), missp.  
 Bumelia leafworm  
 Range.- I-VIII (se. U.S.: KY-FL/IL-TX)  
 Dates.- Jan-Jul, Sep-Nov  
 Hosts.- *Bumelia celastrina*, *B. lanuginosa*, *B. tenax* (Sapotaceae)

**MEGALOPYGIDAE****MEGALOPYGINAE****LAGOA** Harris, 1841

4642 **pyxidifera** (J. E. Smith, 1797) (McD 5288) **8.15**  
 Range.- I-VI (se. U.S.: PA-FL/MO-TX)  
 Dates.- Jan-Dec

- Hosts.- *Prunus* sp. (Rosaceae)  
*Quercus* sp., *Q. virginiana* (Fagaceae)  
*Vaccinium* sp. (Ericaceae)  
 4643 **laceyi** Barnes & McDunnough, 1910 (McD 5287) 14.19-20  
*laceyi* Barnes & McDunnough, 1917, missp.  
 Range.- I-VI (se. U.S.: SC-FL/AR-TX)  
 Dates.- Mar-Aug  
 Hosts.- Unknown  
 4644 **crispata** (Packard, 1864) (McD 5286)  
 ab. *grisea* (Barnes & McDunnough, 1910)  
 Black-waved flannel moth; Wrinkled flannel moth  
 Range.- I-IV (e. U.S.: NH-FL/MO-TX)  
 Dates.- Jan, Apr-Nov  
 Hosts.- *Alnus* sp. (Betulaceae)  
*Betula* sp. (Betulaceae)  
*Malus* sp. (Rosaceae)  
*Myrica cerifera* (Myricaceae)  
*Populus* sp. (Betulaceae)  
*Prunus* sp. (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Rubus* sp. (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Sassafras* sp. (Lauraceae)

**MEGALOPYGE** Hübner, [1820]

- Alphis* Walker, 1855  
*Chrysopyga* Herrich-Schäffer, 1855  
*Gasina* Walker, 1855  
*Ochrosoma* Herrich-Schäffer, 1856  
*Podalia* Walker, 1856  
*Oylothrix* Clemens, 1860  
*Pimela* Clemens, 1860  
*Zebonda* Walker, 1865  
*Cyclara* Schaus, 1896  
 4647 **opercularis** (J. E. Smith, 1797) (McD 5283) 8.14  
*lanuginosa* (Clemens, 1860)  
*subcitrina* (Walker, 1869)  
 Puss caterpillar; Southern flannel moth  
 Range.- I-VIII (e. U.S.: MD-FL/IL-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Acacia auriculiformis*, *A. horrida* (Leguminosae)  
*Acer* sp., *A. barbatum*, *A. rubrum* (Aceraceae)  
*Avicennia germinans* (Avicenniaceae)  
*Calonyction* sp. (Convolvulaceae)  
*Camellia japonica* (Theaceae)  
*Carpentaria acuminata* (Palmae)  
*Carissa grandiflora* (Apocynaceae)  
*Carya* sp., *C. illinoensis* (Juglandaceae)  
*Celtis laevigata* (Ulmaceae)  
*Chrysalidocarpus lutescens* (Palmae)  
*Citrofortunella mitis* (Rutaceae)  
*Citrus* sp., *C. paradisi*, *C. sinensis* (Rutaceae)  
*Conocarpus erectus* (Combretaceae)  
*Diospyros* sp. (Ebenaceae)  
*Eriobotrya japonica* (Rosaceae)  
*Ficus benjamina*, *F. elastica*, *F. lyrata* (Moraceae)  
*Fraxinus berlandieriana* (Oleaceae)  
*Hibiscus* sp. (Malvaceae)  
*Ilex cornuta*, *I. crenata*, *I. vomitoria* (Aquifoliaceae)  
*Lonicera japonica* (Caprifoliaceae)  
*Lyonia ferruginea* (Ericaceae)

- Magnolia grandiflora*, *M. virginiana* (Magnoliaceae)  
*Myrica cerifera* (Myricaceae)  
*Nandina domestica* (Berberidaceae)  
*Pelargonium hortorum* (Geraniaceae)  
*Peperomia* sp. (Piperaceae)  
*Phoenix reclinata* (Palmae)  
*Prunus amygdalus* (Rosaceae)  
*Pyracantha* sp. (Rosaceae)  
*Quercus* sp., *Q. cerris*, *Q. laevis*, *Q. laurifolia*, *Q. nigra*, *Q. virginiana* (Fagaceae)  
*Rhododendron indicum* (Ericaceae)  
*Rosa* sp. (Rosaceae)  
*Salix caroliniana* (Salicaceae)  
*Sapium sebiferum* (Euphorbiaceae)  
*Schinus terebinthifolius* (Anacardiaceae)  
*Tabebuia argentea* (Bignoniaceae)  
*Tecoma stans* (Bignoniaceae)  
*Terminalia catappa* (Combretaceae)  
*Trema lamarckiana* (Ulmaceae)  
*Ulmus crasifolia*, *U. parvifolia* (Ulmaceae)  
*Viburnum odoratissimum* (Caprifoliaceae)

**TROSIINAE****NORAPE** Walker, 1855

- Carama* Walker, 1855  
*Mallotodesma* Wallengren, 1858  
*Ulosota* Grote, 1864  
*Sulychra* Butler, 1878  
*Anarchylus* Dyar, 1906  
 4650 **ovina** (Sepp, [1848-52]) (McD 5280)  
*cretata* (Grote, 1864)  
 White flannel moth  
 Range.- I-VI (e. U.S.: MD-FL/IL-TX)  
 Dates.- Apr-Sep  
 Hosts.- *Albizia julibrissin* (Leguminosae)  
*Celtis* sp. (Ulmaceae)  
*Cercis* sp., *C. canadensis* (Leguminosae)  
*Lavandula* sp. (Labiatae)  
*Quercus virginiana* (Fagaceae)

**Section COSSINA****Subsection COSSINA****COSSOIDEA****Series COSSIFORMES****COSSIDAE****HYPOPTINAE****INGUROMORPHA** H. Edwards, 1888

- Ravigia* Dyar, 1905  
*Pomeria* Barnes & McDunnough, 1911  
*Ingurimorpha* Turner, 1918, missp.  
*Ingurimorpha* Dalla Torre, 1923, missp.  
 2659 **basalis** (Walker, 1856) (McD 7632)  
*slossonae* H. Edwards, 1889, emend.  
*slossoni* H. Edwards, 1889, missp.  
 Range.- I-VI (e. U.S.: NJ-FL/AR-TX)

Dates.- Mar-Jun, Nov  
Hosts.- Unknown

**GIVIRA** Walker, 1856

*Eugivira* Schaus, 1901  
*Lentagenia* Dyar, 1905

2668 **anna** (Dyar, 1898) (McD 7641)

Range.- I-VI (e. U.S.: NJ-FL/AR-TX)

Dates.- Mar-Aug

Hosts.- *Pinus* sp. (Pinaceae)

2671 **francesca** (Dyar, 1909) (McD 7644)

Range.- I-VI (se. U.S.: [GA]-FL/AL-MS)

Dates.- Jan, Mar-Dec

Hosts.- *Pinus* sp. (Pinaceae)

**COSSULINAE****COSSULA** Bailey, 1882

*Costria* Schaus, 1901  
*Hemipecten* Dyar, 1905, preocc. (Adams & Reeve, 1848)

*Schausiana* Strand, 1910  
*Hemipectrona* Schaus, 1921  
2674 **magnifica** (Strecker, 1876) (McD 7652)  
*magnifica* Bailey, 1882, redesc.  
*norax* (Druce, 1898)

Pecan carpenterworm

Range.- I-IV (se. U.S.: NC-FL/MS-TX)

Dates.- Mar-Jun, Aug, Nov-Dec

Hosts.- *Carya illinoensis* (Juglandaceae)

*Diospyros* sp. (Ebenaceae)

*Quercus* sp. (Fagaceae)

**COSSINAE****PRIONOXYSTUS** Grote, 1881

*Xystus* Grote, preocc. (Schoenherr, 1826)  
*Prionyxstus* Barnes & McDunnough, 1911, missp.

\*2692 **piger** (Grote, 1886) (McD 7671.1)

*baccharidis* Clarke, 1952

*baccharadis* Kimball, 1965, missp.

Range.- VI (Florida)

Dates.- Feb-Apr

Hosts.- *Baccharis* sp., *B. halimifolia* (Compositae)

2693 **robiniae** (Peck, 1818) (McD 7670)

*crepera* (Harris, 1835)

*plagiatus* (Walker, 1856)

ab. *querciperda* (Packard, 1864) (not Fitch, 1859)

ab. *reticulatus* (Lintner, 1878)

ab. *quercus* Ehrmann, 1893

Carpenterworm

Range.- I-VII (e. N.Am.: N.S.-FL/Man.-TX)

Dates.- Jan-Dec

Hosts.- *Castanea dentata* (Fagaceae)

*Populus* sp. (Salicaceae)

*Quercus* sp., *Q. alba*, *Q. laevis*, *Q. virginiana* (Fagaceae)

*Robinia pseudoacaccia* (Legumimosae)

*Salix* sp. (Salicaceae)

2694 **macmurtrei** (Guérin-Méneville, 1829) (McD 7671)

*querciperda* (Fitch, 1859)

Little carpenterworm

Range.- I-II (e. N.Am.: Que.-FL/MN-TX)

Dates.- Mar-Jul

Hosts.- *Acer* sp. (Aceraceae)

*Fraxinus* sp. (Oleaceae)

*Quercus* sp. (Fagaceae)

**Series LIMACODIFORMES****LIMACODIDAE**

9.36

**TORTRICIDIA** Packard, 1864

4652 **testacea** Packard, 1864 (McD 5279)

Range.- [I-II] (e. N.Am.: N.S.-FL?/Man.-TX)

Dates.- Apr-Aug (stray)

Hosts.- *Betula* sp. (Betulaceae)

*Castanea* sp. (Fagaceae)

*Fagus* sp. (Fagaceae)

*Hamamelis* sp. (Hamamelidaceae)

*Prunus serotina* (Rosaceae)

*Quercus* sp. (Fagaceae)

9.37

**SLOSSONELLA** Dyar, 1904

4655 **tenebrosa** Dyar, 1904 (McD 5276)

Range.- I-IV (se. U.S.: GA-FL/AL-MS)

Dates.- Mar-Apr, Jul-Sep

Hosts.- Unknown [?*Vaccinium* sp. (Ericaceae)]

14.18

**HETEROGENEA** Knoch, 1783

4657 **shurtleffi** Packard, 1864 (McD 5274)

*shurtleffii* Dyar, 1898, missp.

Range.- I-III (e. U.S.: MA-FL/MO-TX)

Dates.- Feb, Apr-Aug

Hosts.- *Castanea* sp. (Fagaceae)

*Fagus* sp. (Fagaceae)

*Ostrya* sp. (Betulaceae)

*Quercus* sp. (Fagaceae)

*Ulmus* sp. (Ulmaceae)

14.17

**LITHACODES** Packard, 1864

*Lithocodia* Packard, 1887, missp.

4663 **fiskeanus** (Dyar, 1900) (McD 5268)

Range.- I-II (e. U.S.: NH-FL/IA-TX)

Dates.- Jul-Sep

Hosts.- Unknown

4664 **gracea** Dyar, 1921 (McD 5267)

Range.- I-VI (se. U.S.: SC-FL/AR-TX)

Dates.- Jan-Oct

Hosts.- Unknown

4665 **fasciola** (Herrich-Schäffer, 1854) (McD 5266)

*laticlavata* (Clemens, 1860)

*divergens* (Walker, 1862)

Range.- I-II (e. N.Am.: Que.-FL/Man.-TX)

Dates.- Mar-Sep

Hosts.- *Acer* sp. (Aceraceae)

*Betula* sp. (Betulaceae)

*Carya* sp. (Juglandaceae)

*Castanea* sp. (Fagaceae)

*Cornus* sp. (Cornaceae)

*Fagus* sp. (Fagaceae)

*Gaylussacia* sp. (Ericaceae)

*Malus* sp. (Rosaceae)

*Myrica* sp. (Myricaceae)

*Ostrya* sp. (Betulaceae)

*Prunus* sp., *P. serotina* (Rosaceae)

*Quercus* sp. (Fagaceae)

8.12

- Salix* sp. (Salicaceae)  
*Tilia* sp. (Tiliaceae)  
*Ulmus* sp. (Ulmaceae)
- APODA** Haworth, 1809  
*Cochlidion* Hübner, [1806], suppr. (ICZN Op. 97)  
*Cochlidium* Hübner, 1822  
*Limacodes* Berthold, 1827
- 4667 **y-inversum** (Packard, 1864) (McD 5264) **14.16**  
*parallela* (H. Edwards, 1886)  
Range.- I-IV (e. N.Am.: Que.-FL/IL-TX)  
Dates.- Jan, Mar-Sep  
Hosts.- *Carpinus caroliniana* (Betulaceae)  
*Carya* sp. (Juglandaceae)  
*Fagus* sp. (Fagaceae)  
*Quercus* sp. (Fagaceae)
- 4668 **rectilinea** (Grote & Robinson, 1868)(McD 5263) **8.13**  
*latomia* (Harvey, 1877)  
Range.- I-VI (e. U.S.: NJ-FL/MO-TX)  
Dates.- Mar-Oct  
Hosts.- Unknown
- 4669 **biguttata** (Packard, 1864) (McD 5262) **14.14-15**  
*tetraspilaris* (Walker, 1865)  
Range.- I-II (e. N.Am.: N.S.-FL/IL-TX)  
Dates.- Feb-May, Jul, Sep  
Hosts.- *Carya* sp. (Juglandaceae)  
*Fagus* sp. (Fagaceae)  
*Quercus* sp., *Q. alba* (Fagaceae)
- PROLIMACODES** Schaus, 1896
- 4671 **badius** (Hübner, 1822) (McD 5260) **8.11**  
*scapha* (Harris, 1841)  
*undifera* (Walker, 1855)  
*argentimacula* Barnes & McDunnough, 1913  
Skiff moth  
Range.- I-VI (e. N.Am.: Ont.-FL/IL-TX)  
Dates.- Jan-Nov  
Hosts.- *Betula* sp. (Betulaceae)  
*Carya* sp. (Juglandaceae)  
*Castanea* sp. (Fagaceae)  
*Hamamelis* sp. (Hamamelidaceae)  
*Ilex* sp. (Aquifoliaceae)  
*Liquidambar styraciflua* (Hamamelidaceae)  
*Magnolia virginiana* (Magnoliaceae)  
*Myrica* sp. (Myricaceae)  
*Ostrya* sp. (Betulaceae)  
*Persea* sp. (Lauraceae)  
*Prunus caroliniana*, *P. serotina* (Rosaceae)  
*Quercus* sp., *Q. laurifolia*, *Q. virginiana* (Fagaceae)  
*Rhododendron* sp. (Ericaceae)  
*Salix* sp. (Salicaceae)  
*Tilia* sp. (Tiliaceae)  
*Vaccinium* sp. (Ericaceae)
- ALARODIA** Möschler, 1886  
*Phryne* Grote, 1865, preocc. (Fitzinger, 1843)  
*Calybia* Kirby, 1892  
*Eupoeya* Packard, 1893
- \*4673 **slossoniae** (Packard, 1893) (McD 5258) **8.10**  
Range.- III-VIII (Florida)  
Dates.- Jan-May, Jul-Dec  
Hosts.- *Ardisia escallonioides* (Myrsinaceae)  
*Chrysobalanus icaco* (Chrysobalanaceae)  
*Hypelate paniculata* (Sapindaceae)
- Myrica cerifera* (Myricaceae)  
*Rapanea guayanensis* (Myrsinaceae)  
*Rhizophora mangle* (Rhizophoraceae)
- ISOCHAETES** Dyar, 1899
- 4675 **beutenmuelleri** (H. Edwards, 1887) (McD 5256) **8.9**  
*beutenmülleri* (H. Edwards, 1887), incorr. spell. (ICZN Art. 27)  
Range.- I-III (e. U.S.: NY-FL/IL-TX; Mex.-Guatemala)  
Dates.- Mar-May, Jul-Oct  
Hosts.- *Fagus* sp. (Fagaceae)  
*Quercus palustris* (Fagaceae)
- PHOBETRON** Hübner, [1825]  
*Ecnomidea* Westwood, 1841  
*Phobetrum* Agassiz, [1847], emend.  
*Euryda* Herrich-Schäffer, 1854  
*Spirocera* Herrich-Schäffer, 1855  
*Nemeta* Walker, 1855  
*Ecnomidia* Dyar, 1895, missp.
- 4677 **pithecium** (J. E. Smith, 1797) (McD 5254) **8.8**  
*abbotana* Hübner, [1825]  
*nigricans* (Packard, 1864)  
*hyalinus* Walsh, 1864  
*tetradactylus* (Walsh, 1864)  
*nondescriptus* (Wetherby, 1875)  
Hag moth  
Range.- I-IV (e. N.Am.: Que.-FL/NE-TX)  
Dates.- Mar-Nov  
Hosts.- *Betula* sp. (Betulaceae)  
*Carya* sp. (Juglandaceae)  
*Castanea* sp. (Fagaceae)  
*Citrus* sp., *C. paradisi*, *C. sinensis* (Rutaceae)  
*Cornus* sp. (Cornaceae)  
*Diospyros* sp., *D. kaki* (Ebenaceae)  
*Fraxinus* sp., *F. caroliniana* (Oleaceae)  
*Gordonia lasianthus* (Theaceae)  
*Ilex opaca* (Aguifoliaceae)  
*Malus* sp. (Rosaceae)  
*Myrica cerifera* (Myricaceae)  
*Prunus* sp., (Rosaceae)  
*Quercus* sp., *Q. shumardii*, *Q. virginiana* (Fagaceae)  
*Rosa* sp. (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Sassafras* sp. (Lauraceae)  
*?Thuja orientalis* (Cupressaceae)  
*Ulmus parvifolia* (Ulmaceae)
- NATADA** Walker, 1855  
*Bombycocera* R. Felder, 1874  
*Rhinaxina* Berg, 1882  
*Rhinaxime* Davis, 1983, missp.
- 4679 **nasoni** (Grote, 1876) (McD 5252) **14.13**  
*rude* (H. Edwards, 1882)  
*daona* (Druce, 1887)  
Nason's slug moth  
Range.- I-IV (e. U.S.: ME-FL/IL-TX)  
Dates.- Feb, Apr-Sep, Nov  
Hosts.- *Betula* sp. (Betulaceae)  
*Carpinus* sp. (Betulaceae)  
*Carya* sp. (Juglandaceae)

*Castanea* sp. (Fagaceae)  
*Myrica cerifera* (Myricaceae)  
*Photinia serrulata* (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Ulmus* sp. (Ulmaceae)

**ISA** Packard, 1864

*Sisyrosea* Grote, 1876  
*Sosiosa* Kirby, 1892, missp.  
*Sicyrosea* Kirby, 1892, missp.  
4681 **textula** (Herrich-Schäffer, 1854) (McD 5250) **14.12**  
*texula* (Packard, 1854), missp.  
*inornata* (Grote & Robinson, 1867)  
Range.- I-III (e. N.Am.: Ont.-FL/IL-TX)  
Dates.- Feb-Dec  
Hosts.- *Acer* sp. (Aceraceae)  
*Betula* sp. (Betulaceae)  
*Carya* sp. (Juglandaceae)  
*Castanea* sp. (Fagaceae)  
*Ostrya* sp. (Betulaceae)  
*Prunus serotina* (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Tilia* sp. (Tiliaceae)  
*Ulmus* sp. (Ulmaceae)

**ADONETA** Clemens, 1860

*Cyclopteryx* Packard, 1864  
4685 **spinuloides** (Herrich-Schäffer, 1854) (McD 5246)  
*voluta* Clemens, 1860  
*ferrigera* (Walker, 1865)  
*ruptilinea* (Walker, 1865)  
*nebulosa* (Wetherby, 1875)  
Range.- I-III (e. N.Am.: Que.-FL/IL-TX)  
Dates.- Mar-Sep  
Hosts.- *Castanea* sp. (Fagaceae)  
*Hamamelis* sp. (Hamamelidaceae)  
*Myrica* sp. (Myricaceae)  
*Nyssa* sp. (Nyssaceae)  
*Prunus serotina* (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*?Rosa* sp. (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Tilia* sp. (Tiliaceae)  
*Ulmus* sp. (Ulmaceae)

**MONOLEUCA** Grote & Robinson, 1869

4689 **erectifascia** Dyar, 1925 (McD 5242)  
Range.- I-III (se. U.S.: GA-FL/AL-MS)  
Dates.- Jun-Sep  
Hosts.- Unknown  
4691 **semifascia** (Walker, 1855) (McD 5240)  
*sulfurea* Grote, 1880  
Range.- I-VI (e. U.S.: NY-FL/MO-TX)  
Dates.- Mar, May-Oct  
Hosts.- Unknown  
\*4692 **angustilinea** Dyar, 1927 (McD 5239)  
Range.- IV (Florida)  
Dates.- Apr-Oct  
Hosts.- Unknown  
4693 **subdentosa** Dyar, 1891, (McD 5238)  
Range.- I-VI (se. U.S.: GA-FL/AL-MS)  
Dates.- Apr-Oct  
Hosts.- Unknown

**EUCLEA** Hübner, [1819]

*Metragea* Walker, 1855  
*Nochelia* Clemens, 1860  
4697 **delphinii** (Boisduval, 1832) (McD 5234)  
*cippus*.- auct. (not Cramer, 1775)  
*strigata* (Boisduval, 1832)  
f. *querceti* (Herrich-Schäffer, 1854)  
*quercicola* (Herrich-Schäffer, 1854)  
*quereti* (Herrich-Schäffer, 1854), missp.  
f. *viridiclava* Walker, 1855  
f. *paenulata* (Clemens, 1860)  
*tardigrada* (Clemens, 1860)  
*bifida* Packard, 1864  
*ferruginea* Packard, 1864  
*monitor* Packard, 1864  
*excisa* (Walker, 1865)  
*argentata* (Wetherby, 1875)  
f. *elliotti* Pearsall, 1887  
f. *interjecta* Dyar, 1891  
Spiny oak-slug caterpillar  
Range.- I-VI (e. N.Am.: Que.-FL/IL-TX)  
Dates.- Jan-Apr, Jun-Nov  
Hosts.- *Acer* sp. (Aceraceae)  
*Betula* sp. (Betulaceae)  
*Castanea dentata* (Fagaceae)  
*Citrus* sp. (Rutaceae)  
*Coccoloba uvifera*, *C. diversifolia* (Polygonaceae)  
*Ficus* sp. (Moraceae)  
*Hibiscus* sp. (Malvaceae)  
*Ilex cassine*, *I. vomitoria*, (Aquifoliaceae)  
*Malus* sp. (Rosaceae)  
*Murraya* sp. (Rutaceae)  
*Myrica cerifera* (Myricaceae)  
*Nyssa* sp. (Nyssaceae)  
*Plantanus* sp. (Plantanaceae)  
*Populus* sp. (Betulaceae)  
*Prunus caroliniana*, *P. serotina* (Rosaceae)  
*Pyrus communis* (Rosaceae)  
*Quercus* sp., *Q. laurifolia*, *Q. virginiana* (Fagaceae)  
*Rhizophora mangle* (Rhizophoraceae)  
*Rhododendron* sp. (Ericaceae)  
*Salix* sp., *S. babylonica* (Salicaceae)  
*Tilia americana* (Tiliaceae)  
*Ulmus* sp. (Ulmaceae)  
4697.1 **nanina** Dyar, 1899 (McD 5233) **8.6**  
*nana* Dyar, 1891, preocc. (Herrich-Schäffer, 1856)  
Range.- I-VIII (se. U.S.: SC-FL/AR-TX)  
Dates.- Jan-Jun, Aug-Dec  
Hosts.- Unknown  
**8.7**  
**PARASA** Moore, 1858  
*Neaera* Herrich-Schäffer, 1854, preocc. (Robineau-Desvoidy, 1830)  
*Callochlora* Packard, 1864  
*Neaerasa* Staudinger, 1892, repl. name  
*Pacasa* Wichgraf, 1908, missp.  
4698 **chloris** (Herrich-Schäffer, [1854]) (McD 5232)  
*viridis* (Reakirt, 1864)  
*fraterna* Grote, 1881  
Range.- I-III (e. U.S.: NY-FL/IL-TX)  
Dates.- May-Sep  
Hosts.- *Carya* sp. (Juglandaceae)

- Castanea dentata* (Fagaceae)  
*Cornus* sp. (Cornaceae)  
*Malus* sp. (Rosaceae)  
*Myrica cerifera* (Myricaceae)  
*Prunus serotina* (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Ulmus* sp. (Ulmaceae)  
 4699 **indetermina** (Boisduval, 1832) (McD 5231)  
     *vernata* (Packard, 1864)  
     Stinging rose caterpillar  
 Range.- I-II (e. U.S.: NY-FL/IL-TX)  
 Dates.- May-Aug  
 Hosts.- *Acer* sp. (Aceraceae)  
     *Carya* sp. (Juglandaceae)  
     *Cornus* sp. (Cornaceae)  
     *Malus pumila* (Rosaceae)  
     *Myrica* sp. (Myricaceae)  
     *Populus* sp. (Populaceae)  
     *Prunus serotina* (Rosaceae)  
     *Quercus* sp. (Fagaceae)  
     *Rosa* sp. (Rosaceae)
- ACHARIA** Hübner, [1819]  
     *Sibine* Herrich-Schäffer, 1855  
     *Empretia* Clemens, 1860  
     *Eupretia* Wlk., 1865, missp.  
     *Eupalia* Walker, 1866  
     *Episibine* Dyar, 1898  
     *Sibere* Anon., 1925, missp.  
 4700 **stimulea** (Clemens, 1860) (McD 5230) **8.4-5**  
     *ephippiatus* (Harris, 1869)  
     *stimylea* Anon., 1925, missp.  
     Saddleback caterpillar  
 Range.- I-VIII (e. U.S.: MA-FL/IL-TX; Mex.)  
 Dates.- Jan-Nov  
 Hosts.- *Acalypha wilkesiana* (Euphorbiaceae)  
     *Acer* sp. (Aceraceae)  
     ? *Anthurium andraeanum* (Araceae)  
     *Antigonon leptopus* (Polygonaceae)  
     *Areca* sp. (Palmae)  
     *Arecastrum romanzoffianum* (Palmae)  
     *Archontophoenix alexandrae* (Palmae)  
     *Aster* sp. (Compositae)  
     *Beaucarnea recurvata* (Palmae)  
     *Bumelia reclinata* (Sapotaceae)  
     *Canna indica* (Cannaceae)  
     *Carya illinoensis* (Juglandaceae)  
     *Caryota* sp., *C. mitis* (Palmae)  
     *Castanea* sp. (Fagaceae)  
     *Cattleya* sp. (Orchidaceae)  
     *Celtis* sp. (Ulmaceae)  
     *Chamaedorea* sp. (Palmae)  
     *Chrysalidocarpus lutescens* (Palmae)  
     ? *Chysis bractescens* (Orchidaceae)  
     *Citrus* sp., *C. aurantium*, *C. limonia*, *C. paradisi*,  
         *C. sinensis* (Rutaceae)  
     *Coccoloba uvifera* (Polygonaceae)  
     *Cocos nucifera* (Palmae)  
     *Codiaeum* sp. (Euphorbiaceae)  
     *Coffea arabica* (Rubiaceae)  
     *Cordyline terminalis* (Agavaceae)  
     *Cornus* sp. (Cornaceae)  
     *Cycas revoluta* (Cycadaceae)  
     ? *Cyrtopodium punctatum* (Orchidaceae)  
     ? *Dendrobium nobile* (Orchidaceae)

- Dictyosperma album* (Palmae)  
*Dracaena* sp., *D. fragrans*, *D. deremensis*, *D. marginata* (Agavaceae)  
? *Epidendrum tampense* (Orchidaceae)  
*Epipremnum* sp. (Araceae)  
*Eriobotrya japonica* (Rosaceae)  
*Eucalyptus* sp., (Myrtaceae)  
*Feijoa sellowiana* (Myrtaceae)  
*Ficus* sp., *F. decora*, *F. elastica* (Moraceae)  
*Fortunella* sp. (Rutaceae)  
*Gardenia* sp. (Rubiaceae)  
? *Gladiolus* sp. (Iridaceae)  
*Helianthus* sp. (Compositae)  
*Hibiscus* sp., *H. rosa-sinensis*, *H. syriacus* (Malvaceae)  
*Hydrangea* sp. (Hydrangeaceae)  
*Ilex cornuta* (Aguifoliaceae)  
*Ixora coccinea* (Rubiaceae)  
*Lagerstroemia indica* (Lythraceae)  
*Leea coccinea* (Leeaceae)  
*Litchi chinensis* (Sapindaceae)  
*Macadamia tetraphylla* (Proteaceae)  
*Malpighia glabra* (Malpighiaceae)  
*Malus pumila*, *M. sylvestris* (1) (Rosaceae)  
*Malvaviscus* sp., (Malvaceae)  
*Nannorrhops ritchiana* (Palmae)  
*Philodendron selloum* (Araceae)  
*Phoenix canariensis*, *P. roebeleni* (Palmae)  
*Photinia* sp. (Rosaceae)  
*Podocarpus* sp., (Podocarpaceae)  
*Pouteria campechiana* (Sapotaceae)  
*Prunus* sp., *P. serotina* (Rosaceae)  
*Psidium littorale* var. *longipes* (Myrtaceae)  
*Quercus* sp. (Fagaceae)  
*Rosa* sp. (Rosaceae)  
*Schinus terebinthifolius* (Anacardiaceae)  
? *Spathoglottis plicata* (Orchidaceae)  
*Strelitzia nicolai* (Musaceae)  
*Swietenia* sp., *S. mahogani* (Meliaceae)  
*Syzygium* sp., (Myrtaceae)  
*Tabebuia argentea*, *T. umbellata* (Bignoniaceae)  
*Tilia* sp. (Tiliaceae)  
*Ulmus* sp. (Ulmaceae)  
*Vaccinium* sp. (Ericaceae)  
*Veitchia merrilli* (Palmae)  
*Viburnum* sp. (Caprifoliaceae)  
*Vitis* sp. (Vitaceae)  
*Washingtonia robusta* (Palmae)  
*Wisteria* sp., (Leguminosae)  
*Zea mays* (Gramineae)

4700.1 **extensa** (Schaus, 1896) (McD 5230.1) T

Range.- V-VI (FL; West Indies)

Dates.- ? (stray)

Hosts.- Unknown

## EPIPYROPIDAE

**FULGORAECIA** Newman, 1851

*Epipyrops* Westwood, 1876

*Pseudopsyche* H. Edwards, 1882, preocc.  
 (Oberthür, 1880)

*Oedonia* Kirby, 1892

4701 **exigua** (H. Edwards, 1882) (McD 5292/5292.1) **2.10**  
*barberiana* (Dyar, 1902)  
 Planthopper moth  
 Range.- I-III (e. U.S.: NJ-FL/IL-TX)  
 Dates.- May-Oct  
 Hosts.- Homoptera (parasitic)

[PYRALOIDEA: see after YPONOMEUTOIDEA, p. 266]

[PTEROPHOROIDEA: see after PYRALOIDEA, p. 305]

## TORTRICOIDEA

### TORTRICIDAE

#### OLETHREUTINAE

##### BACTRINI

[EPISIMUS, 2701-2703: see under Olethreutini, p. 319]

[CACOCHARIS, 2704: see under Olethreutini, p. 319]

**BACTRA** Stephens, 1834

2706 **furfurana** (Haworth, 1811) (McD 6596)  
 Range.- I-II (N.Am.: N.S.-FL/B.C.-CA; Europe)  
 Dates.- Jul  
 Hosts.- *Juncus* sp. (Juncaceae)  
*Scirpus* sp. (Cyperaceae)

2707 **verutana** Zeller, 1875 (McD 6597) **11.31**  
*dasioma* Diakonoff, 1963  
 Range.- I-VIII (e. U.S.: NC-FL/IL-TX; Mex.; S. Africa [introd.])  
 Dates.- Jan-Dec  
 Hosts.- *Cyperus* sp. (Cyperaceae)  
*Juncus* sp. (Juncaceae)  
*Mariscus jamaicensis* (Cyperaceae)  
*Scirpus* sp. (Cyperaceae)

2709 **priapeia** Heinrich, 1923 (McD 6599)

Range.- I-IV (U.S.: MA-FL/UT-NM?)  
 Dates.- Apr-Jun, Sep  
 Hosts.- Unknown

**ENDOPIZA** Clemens, 1860

*Paralobesia* Obraztsov, 1953  
*Lobesia*.- auct., part (not Guenée, 1845)  
 2711 **liriodendrana** (Kearfott, 1904) (McD 6601) **11.32**  
*magnoliana* (Kearfott, 1907)  
 Range.- I-V (e. U.S.: NJ-FL/KY-TX)  
 Dates.- Feb-May, Sep  
 Hosts.- *Gordonia* sp. (Theaceae)  
*Magnolia grandiflora*, *M. virginiana* (Magnoliaceae)  
*Liriodendron tulipifera* (Magnoliaceae)

2712 **viteana** Clemens, 1860 (McD 6602)

*vitivorana* (Packard, 1869)  
*botrana*.- auct.  
 Grape berry moth  
 Range.- I-IV (e. U.S.: NY-FL/MN-TX)  
 Dates.- Jun  
 Hosts.- *Vitis* sp., *V. rotundifolia* (Vitaceae)  
 2718 **spiraefoliata** (Heinrich, 1923) (McD 6607)  
 Range.- I-III (e. U.S.: NH-FL/WI-TX?)  
 Dates.- Mar, Sep  
 Hosts.- *Spiraea* sp., *S. salicifolia* (Rosaceae)

2723 **vernoniana** (Kearfott, 1907) (McD 6611)  
*ambrosiana* (Kearfott, 1907)

Range.- I (e. U.S.: NH-FL/IL-TX?)  
 Dates.- Mar  
 Hosts.- *Ambrosia trifida* (Compositae)  
*Vernonia noveboracensis* (Compositae)

**LOBESIA** Guenée, 1845

*Polychrosis* Ragonot, 1845  
*Lomaschiza* Lower, 1901  
*Byrsoptera* Lower, 1901  
*Steriphotis* Meyrick, 1911

\*2729.1 [n. sp.]

Range.- III-VI (Florida)  
 Dates.- ?  
 Hosts.- Unknown

**ENDOTHENIA** Stephens, 1852

*Orthotaenia*.- Stainton, 1859 (not Stainton, 1829)  
*Taniva* Heinrich, 1926  
*Tia* Heinrich, 1926  
*Hulda* Heinrich, 1926  
*Alloendothenia* Oku, 1963  
 2738 **hebesana** (Walker, 1863) (McD 6625/6626) **11.33**  
*inexpertana* (Walker, 1863)  
*fullerea* (Riley, 1870)  
*daeckiana* (Kearfott, 1907)  
*adustana* Krogerus, 1947  
 Verbena bud moth  
 Range.- I-VIII (U.S.: ME-FL/WI-CA)  
 Dates.- Mar-Dec  
 Hosts.- *Antirrhinum* sp. (Scrophulariaceae)  
*Gerardia* sp., *G. flava* (Scrophulariaceae)  
*Iris* sp. (Iridaceae)  
*Orthocarpus* (Scrophulariaceae)  
*Penstemon* sp. (Scrophulariaceae)  
*Physostegia* sp. (Labiatae)  
*Sarracenia purpurea* (Sarraceniaceae)  
*Scutellaria* sp., *S. lateriflora* (Labiatae)  
*Solidago* sp. (Compositae)  
*Stachys* sp. (Labiatae)  
*Teucrium canadense* (Labiatae)  
*Tigridia* sp. (Iridaceae)  
*Verbascum* sp. (Scrophulariaceae)  
*Verbena* sp., *V. bonariensis* (Verbenaceae)

2745 **albolineana** (Kearfott, 1907) (McD 6630) **11.34**  
*abietana* (Fernald, 1908)  
*piceae* (Busck, 1916)  
 Range.- I-II (N.Am.: N.S.-FL/Alb.-TX?)  
 Dates.- May, Oct  
 Hosts.- *Abies* sp. (Pinaceae)  
*Picea* sp. (Pinaceae)

##### MICROCORSINI

**CRYPTASPASMA** Walsingham, 1900

*Brachygonia* Walsingham, 1900  
*Microcorses* Walsingham, 1900  
*Allobrachygonia* Fernald, 1908  
*Acharneodes* Meyrick, 1926  
 2700.1 **lugubris** (Felder & Rogenhofer, 1875) (McD --) T  
 Range.- VI-VIII (FL; West Indies; Brazil)  
 Dates.- Feb

Hosts.- Unknown  
 2700.2 **bipenicilla** J. Brown & R. Brown, 2003 T  
 Range.- I-VIII (se. U.S.: SC-FL/MS-LA; West Indies; C. Am.)  
 Dates.- Jan-Apr, Jun, Oct-Nov  
 Hosts.- *Beilschmiedia pendula* (Lauraceae)  
*Persea americana* (Lauraceae)

### OLETHREUTINI

**EPISIMUS** Walsingham, 1892

*Antictenista* Meyrick, 1927

2701 **argutanus** (Clemens, 1860) (McD 6592)  
*hamameliella* (Clemens, 1861)  
*allutana* (Zeller, 1879)  
 Sumac leaf-tier  
 Range.- I-VI (N.Am.: N.S.-FL/B.C.-CA; Mex.)  
 Dates.- Jan-Jul, Sep-Dec  
 Hosts.- ?*Ambrosia trifida* (Compositae)  
*Arctostaphylos pumila* (Ericaceae)  
*Cotinus obovatus* (Anacardiaceae)  
 ?*Crataegus* sp. (Rosaceae)  
*Euphorbia cyathophora*, *E. heterophylla* (Euphorbiaceae)  
*Hamamelis* sp., *Hamamelis virginiana* (Hamamelidaceae)  
*Nyssa caroliniana*, *N. sylvatica* (Nyssaceae)  
*Rhus* sp. *R. copallina*, *R. cotinoides*, *R. diversiloba*, *R. glabra*, *R. obovatus*, *R. radicans*, *R. typhina* (Anacardiaceae)  
 ?*Sambucus* sp. (Caprifoliaceae)  
 ?*Solidago* sp. (Compositae)  
 ?*Ulmus* sp. (Ulmaceae)  
 2701.1 **guiana** Busck, 1913) (McD --) T  
 Range.- V-VIII (FL; West Indies-Guyana)  
 Dates.- Mar, May-Nov  
 Hosts.- *Euphorbia* sp., *E. hypericifolia* (Euphorbiaceae)  
 2701.2 **transferranus** (Walker, 1863) (McD --) T  
 Range.- V-VIII (FL; TX; West Indies)  
 Dates.- Mar, May-Nov  
 Hosts.- *Schinus terebinthifolius* (Anacardiaceae)  
 2702 **augmentanus** (Zeller, 1877) (McD 6593) T  
*augmentus* Kimball, 1965, missp.  
 Range.- IV-VIII (FL; West Indies-S. Amer.)  
 Dates.- Jan-Apr, Jun-Dec  
 Hosts.- *Metopium toxiferum* (Anacardiaceae)  
*Spondias* sp. (Anacardiaceae)  
 \*2702.1 **burserae** Heppner, 1994 T  
 Range.- VIII (Florida)  
 Dates.- Jan-Apr, Jun, Aug  
 Hosts.- *Bursera simaruba* (Burseraceae)  
 \*2702.2 **kimballi** Heppner, 1994 T  
 Range.- V-VIII (Florida)  
 Dates.- Jan-Jun, Sep-Nov  
 Hosts.- Unknown  
 2702.3 **nesiotes** Walsingham, 1897 (McD --) T  
 Range.- V-VIII (FL; West Indies; Panama)  
 Dates.- Feb, Apr-May, Nov-Dec  
 Hosts.- *Ardisia escallonioides* (Myrsinaceae)  
*Euphorbia hypericifolia* (Euphorbiaceae)  
*Hippomane mancinella* (Euphorbiaceae)  
 2702.4 **lagunculariae** Heppner, 1994 T  
 Range.- III-VIII (FL; Belize)  
 Dates.- Jan, Mar-Apr, Jun-Jul, Oct-Dec  
 Hosts.- *Laguncularia racemosa* (Combretaceae)

2703 **tyrius** Heinrich, 1923 (McD 6594) **11.29**  
 Maple leaf-tier  
 Range.- I-IV (e. U.S.: NY-FL/IL?-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Acer* sp. *A. barbatum*, *A. rubrum*, *A. saccharinum* (Aceraceae)  
*Gordonia lasianthus* (Theaceae)  
*Ilex opaca* (Aquifoliaceae)  
*Magnolia virginiana* (Magnoliaceae)  
*Myrica cerifera* (Myricaceae)  
*Prunus caroliniana*, *P. laurocerasus* (Rosaceae)

**11.22 CACOCHARIS** Walsingham, 1892

2704 **cymotoma** (Meyrick, 1917) (McD 6594.1) T **11.30**  
 Range.- II-VI (FL; West Indies)  
 Dates.- Feb-Jun, Sep-Dec  
 Hosts.- *Phyllanthus acidus* (Euphorbiaceae)

[2706-2745, see under Bactrini, p. 318]

**EUMAROZIA** Heinrich, 1926

2749 **malachitana** (Zeller, 1875) (McD 6634) **11.35**  
 Range.- I-VI (e. U.S.: PA-FL/IL-TX)  
 Dates.- Jan-May, Jul-Dec  
 Hosts.- *Cassia* sp. (Leguminosae)  
*Diospyros ebenaster*, *D. virginiana* (Ebenaceae)

**ZOMARIA** Heinrich, 1926

2750 **interruptolineana** (Fernald, 1882) (McD 6635) **11.36**  
 Range.- I-IV (e. N.Am.: NH-FL/Ont.-TX)  
 Dates.- Jan-May, Jul, Sep-Nov  
 Hosts.- *Befaria racemosa* (Ericaceae)  
*Bumelia lanuginosa* (Sapotaceae)  
*Gaylussacia* sp. (Ericaceae)  
*Leucothoe populifera* (Ericaceae)  
*Vaccinium* sp., *V. arboreum*, *V. stamineum* (Ericaceae)  
 [2751 rosaochreana (Kearfott) - to *Olethreutes*, 2847.2]  
 [2752 andromedana (B. & McD.) - to *Olethreutes*, 2847.1]

**11.23**

**11.24**

**11.25**

**11.26-27**

**11.28**

**APOTOMIS** Hübner, [1825]

*Aphania* Hübner, [1825]  
*Limma* Hübner, [1825]  
*Antithesia* Stephens, 1829  
*Brachytaenia* Stephens, 1852  
 2768 **removana** (Kearfott, 1907) (McD 6650/6652)  
*dextrana* (McDunnough, 1923)  
*deceptana*.- auct. (not Kearfott, 1905)  
 Range.- I-IV (N.Am.: Que.-FL/Alb.-CA)  
 Dates.- Jan  
 Hosts.- *Populus tremuloides* (Salicaceae)  
*Salix* sp. (Salicaceae)

**ORTHOTAENIA** Stephens, 1829

*Badebecia* Heinrich, 1926  
 2770 **undulana** ([Denis & Schiffermüller], 1775) (McD 6654)  
*urticana* (Hübner, [1769-99])  
*campestrana* (Zeller, 1875)  
*dilutifuscana* (Walsingham, 1879)  
 Range.- I (e. N.Am.: N.S.-FL/B.C.-AZ; Europe)  
 Dates.- Mar-Jul, Oct  
 Hosts.- *Beta vulgaris* (Chenopodiaceae)  
*Betula* sp. (Betulaceae)  
*Populus tremuloides* (Salicaceae)



- Prunus* sp. (Rosaceae)  
*Rubus nutkanus* (Rosaceae)  
*Vaccinium macrocarpon* (Ericaceae)
- PHAEASIOPHORA** Grote, 1873  
 2772 **niveiguttana** (Grote, 1873) (McD 6656)  
 Range.- I-VI (e. U.S.: MA-FL/IL-TX)  
 Dates.- Jan-Sep  
 Hosts.- *Hamamelis* sp. (Hamamelidaceae)  
*Sassafras* sp. (Lauraceae)
- 2773 **inspersa** Heinrich, 1931 (McD 6657)  
 Range.- I-IV (Gulf Coast: FL-TX)  
 Dates.- Mar-May  
 Hosts.- Unknown
- OLETHREUTES** Hübner, [1822]  
*Argyroproce* Hübner, [1825]  
*Roxana* Stephens, 1834  
*Mixodia* Guenée, 1845  
*Exartema* Clemens, 1860  
*Loxoterna* Busck, 1906  
*Celyphoides* Obraztsov, 1960
- 2785 **atrodentana** (Fernald, 1882) (McD 6669)  
 Range.- I-II (e. U.S.: NY-FL/OH?-MS?)  
 Dates.- May-Jul  
 Hosts.- Unknown
- 2802 **hippocastana** (Kearfott, 1907) (McD 6684)  
 Range.- I-IV (se. U.S.: NC-FL/AL?)  
 Dates.- Apr, Jul, Sep-Nov  
 Hosts.- *Aesculus* sp. (Hippocastanaceae)
- 2807 **brunneopurpuratus** (Heinrich, 1923) (McD 6688)  
 Range.- I-II (e. U.S.: VA-FL/KY-MS?)  
 Dates.- Aug-Sep  
 Hosts.- *Alnus* sp. (Betulaceae)
- 2817 **permundana** (Clemens, 1860) (McD 6696)  
*meanderana* (Walker, 1863)  
*gaylussaciana* Heinrich, 1926, nom. nud.  
 Raspberry leafroller  
 Range.- I-IV (e. N.Am.: Que.-FL/Man.-TX?)  
 Dates.- Mar-Jun, Aug-Sep  
 Hosts.- *Carya* sp. (Juglandaceae)  
 ?*Corylus* sp. (Betulaceae)  
*Fragaria* sp. (Rosaceae)  
*Rubus idaeus*, *R. laciniatus* (Rosaceae)  
*Spiraea salicifolia* (Rosaceae)
- 2823 **fasciatana** Clemens, 1860) (McD 6702)  
*decisana* (Walker, 1862)  
*albofasciata* (Zeller, 1875)  
 Range.- I-II (e. N.Am.: Que.-FL/IA-TX)  
 Dates.- Mar-Jun  
 Hosts.- *Rumex* sp. (Polygonaceae)
- 2829 **osmundana** (Fernald, 1879) (McD 6713)  
*ochromediana* Kearfott, 1907  
 Range.- I-III (e. U.S.: NH-FL/OH-TX)  
 Dates.- Apr-Nov  
 Hosts.- *Ambrosia trifida* (Compositae)  
*Osmunda cinnamomea*, *O. regalis* (Osmundaceae)  
*Pteridium aquilinum* (Polypodiaceae)
- \*2847.1 **andromedana** Barnes & McDunnough, 1917 11.38  
 (McD 6637)  
*andromediana* Grossbeck, 1917, missp.  
 Range.- I-VI (Florida)  
 Dates.- Jan-Nov  
 Hosts.- *Andromeda* sp. (Ericaceae)  
*Lyonia ferruginea* (Ericaceae)
- 2847.2 **rosaochreana** Kearfott, 1907 (McD 6636) 11.37  
*rosaschreana* Kearfott, 1907, missp.  
 Range.- I-IV (se. U.S.: [GA]-FL/AL-MS)  
 Dates.- Jan, Mar, May-Sep, Dec  
 Hosts.- *Lyonia lucida* (Ericaceae)
- 11.39 2857 **devotana** Kearfott, 1907 (McD 6741) 9.27  
 Range.- I-VII (se. U.S.: [GA]-FL/AL)  
 Dates.- Jan-Sep, Nov  
 Hosts.- *Coccothrinax argentata* (Palmae)
- HEDYA** Hübner, [1825]  
*Episagma* Hübner, [1825]  
*Pendina* Treitschke, 1830  
*Penthina* Treitschke, 1830  
*Hedia*.- auct., emend.
- 2860 **separatana** (Kearfott, 1907) (McD 6706)  
 Range.- I (e. U.S.: NY-FL/IL-TX)  
 Dates.- Apr, Aug?  
 Hosts.- *Rosa* sp. (Rosaceae)  
*Rubus* sp. (Rosaceae)
- 2863 **chionosema** (Zeller, 1875) (McD 6709)  
 Range.- I-II (e. N.Am.: Que.-FL/IL-TX)  
 Dates.- Apr  
 Hosts.- *Amelanchier* sp. (Rosaceae)  
*Crataegus* sp. (Rosaceae)  
*Malus* sp. (Rosaceae)
- 2864 **cyanana** (Murtfeldt, 1880) (McD 6710)  
 Range.- I-III (e. N.Am.: NJ-FL/Man.-MO)  
 Dates.- Mar, May, Jul, Sep  
 Hosts.- *Rosa* sp. (Rosaceae)
- TSINILLA** Heinrich, 1931  
 \*2865 **lineana** (Fernald, 1901) (McD 6711)  
 Range.- IV-VI (Florida)  
 Dates.- Mar, Jun  
 Hosts.- *Annona glabra* (Annonaceae)
- EUCOSMINI**
- RHYACIONIA** Hübner, [1825]  
*Orthotaenia* Stephens, 1834  
*Evetria*.- auct. (not Hübner, [1825])  
*Evertia* Matsumura, 1931, missp.
- 2868 **rigidana** (Fernald, 1880) (McD 6751) 11.41  
*buoliana*.- Kimball, 1965, misid. [part]  
 Pitch pine tip moth  
 Range.- I-III (e. U.S.: ME-FL/IL-TX)  
 Dates.- Mar-Dec  
 Hosts.- *Pinus echinata*, *P. resinosa*, *P. rigida*, *P. taeda*, *P. virginiana* (Pinaceae)
- 2869 **subtropica** W. E. Miller, 1961 (McD 6751.1) 9.30  
 Subtropical pine tip moth  
 Range.- I-VIII (se. U.S.: SC-FL/AL-TX; Cuba; Belize)  
 Dates.- Jan-Jul, Sep, Dec  
 Hosts.- *Pinus caribaea*, *P. elliottii*, *P. elliottii* var. *densa*,  
*P. palustris*, *P. taeda*, *P. tropicalis* (Pinaceae)
- 2879.1 **granti** W. E. Miller, 1985  
*buoliana*.- Kimball, 1965, misid. [part]  
*busckana*.- Heppner, 1975 (not Heinrich, 1923)  
 Grant's pine tip moth  
 Range.- I-III (N.Am.: ME-FL/B.C.-OR-TX)  
 Dates.- Feb, Nov-Dec  
 Hosts.- *Pinus banksiana*, *P. clausa*, *P. resinosa*, *P. sylvestris* (Pinaceae)

- 2882 **frustrana** (Comstock, 1880) (McD 6752)  
Nantucket pine tip moth  
Range.- I-VI (U.S.: MA-FL/IL-TX; CA; West Indies/Mex.-Nicaragua)  
Dates.- Jan-May, Aug-Sep, Nov-Dec  
Hosts.- *Pinus caribaea*, *P. cubensis*, *P. echinata*, *P. elliotii*, *P. occidentalis*, *P. pungens*, *P. radiata*, *P. rigida*, *P. staeda*, *P. virginiana* (Pinaceae)
- 2885 **aktita** W. E. Miller, 1978  
*buoliana*.- Kimball, 1965, misid. [part]  
Range.- I-II (Atlantic/Gulf Coasts: ME-FL-TX)  
Dates.- Apr, Jul  
Hosts.- *Pinus elliotii*, *P. rigida*, *P. taeda* (Pinaceae)
- RETINIA** Guenée, 1845  
*Petrova* Heinrich, 1923
- 2890 **taedana** (W. E. Miller, 1978)  
Southern pitch-blister moth  
Range.- I-III (se. U.S.: NC-LA)  
Dates.- Apr-May  
Hosts.- *Pinus taeda* (Pinaceae)
- 2898 **gemistrigulana** (Kearfott, 1905) (McD 6762) **11.42**  
Range.- I-IV (se. U.S.: NC-FL/AR-TX)  
Dates.- Mar-May  
Hosts.- *Pinus* sp. (Pinaceae)
- 2902 **houseri** (W. E. Miller, 1959)  
Minute pitch-blister moth  
Range.- I (e. U.S.: OH-FL/IL-TX)  
Dates.- Jun-Jul  
Hosts.- *Pinus echinata* (Pinaceae)
- SPILONOTA** Stephens, 1829  
*Tmetocera* Lederer, 1859
- 2906 **ocellana** ([Denis & Schiffermüller], 1775) (McD 6768)  
*pyrifoliana* (Clemens, 1860)  
*oculana* (Harris, 1862)  
Eyespotted bud moth  
Range.- I (N.Am. [introd.]: N.S.-FL/B.C.-OR; Europe-Japan)  
Dates.- May  
Hosts.- *Crataegus* sp. (Rosaceae)  
*Malus* sp. (Rosaceae)  
*Prunus* sp. (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Rubus* sp. (Rosaceae)
- STREPSICRATES** Meyrick, 1888  
*Phthinolophus* Dyar, 1903
- 2907 **smithiana** (Walsingham, 1892) (McD 6769) **12.1-2**  
*indentana* (Dyar, [1903])  
*imminens* (Meyrick, 1917)  
Bayberry leaf-tier  
Range.- I-VIII (e. N.Am.: N.S.-FL/MO-TX; West Indies)  
Dates.- Jan-Oct, Dec  
Hosts.- *Acer rubrum* (Aceraceae)  
*Eugenia* sp., *E. myrtoidea* (Myrtaceae)  
*Myrica cerifera*, *M. pensylvanica* (Myricaceae)  
*Psidium guajava*, *P. littorale* (Myrtaceae)
- PHANETA** Stephens, 1852  
*Thiodia*.- auct. (not Hübner, [1825])  
*Calosetia* Stainton, 1859  
*Ioplocama* Clemens, 1860
- 2919 **annetteana** (Kearfott, 1907) (McD 6781)  
Range.- I (e. U.S.: RI-FL/IL-TX)  
Dates.- Jan, Mar-May  
Hosts.- Unknown
- 2928 **raracana** (Kearfott, 1907) (McD 6786) **12.3**  
*fastidiosa* (Meyrick, 1912), repl. name  
Range.- I-V (e. U.S.: NY-FL/MN-TX)  
Dates.- Mar, May, Aug-Nov  
Hosts.- *Solidago* sp. (Compositae)
- 2931 **crispiana** (Clemens, 1865) (McD 6789)  
Range.- I-IV (se. U.S. (VA-FL/GA-AL?))  
Dates.- Apr, Jun-Jul  
Hosts.- Unknown
- 2951 **ornatula** (Heinrich, 1924) (McD 6808)  
Range.- I (e. U.S.: NJ-FL/IL-TX)  
Dates.- Jul-Sep  
Hosts.- *Lactuca* sp. (Compositae)
- 2999 **verniochreana** (Heinrich, 1923) (McD 6855)  
Range.- I-II (e. U.S.: NJ-FL/IL-TX)  
Dates.- Aug  
Hosts.- Unknown
- 3005 **offectalis** (Hulst, 1886) (McD 6861)  
*obliterana* (Walsingham, 1895)  
Range.- I (s. U.S.: CO-FL/UT-AZ)  
Dates.- ?  
Hosts.- *Artemisia* sp. (Compositae)
- 3005.1 **argutipunctana** A. Blanchard & Knudson, 1983  
Range.- I-III (se. U.S.: FL-TX)  
Dates.- Aug-Oct  
Hosts.- Unknown
- EUCOSMA** Hübner, [1823]  
*Catoptria* Guenée, 1845, preocc. (Hübner, [1825])  
*Pygolphia* Lederer, 1852  
*Affa* Walker, 1863  
*Exentera* Grote, 1877  
*Exenterella* Grote, 1883  
*Palpocrinia* Kennel, 1919  
*Eucosmoides* Obraztsov, 1946
- 3008 **quinquemaculana** (Robinson, 1869) (McD 6864)  
Range.- I-VI (e. U.S.: NY-FL/IL-TX)  
Dates.- Feb, Apr, Sep-Nov  
Hosts.- Unknown
- 3009 **robinsonana** (Grote, 1872) (McD 6865) **9.31**  
*quintana* (Zeller, 1875)  
*tryonana* (Kearfott, 1905)  
Range.- I-VI (e. U.S.: NJ-FL/IL-TX)  
Dates.- Jan-Sep, Nov  
Hosts.- Unknown
- 3009.2 **guttulana** A. Blanchard, 1980 **12.4**  
Range.- I-III (se. U.S./FL-TX)  
Dates.- Mar-Jun, Aug-Nov  
Hosts.- Unknown
- 3021 **adamantana** (Guenée, 1845) (McD 6876)  
Range.- I-III (Atlantic Coast: NY-FL)  
Dates.- Oct-Dec  
Hosts.- Unknown
- 3052 **circulana** Hübner, [1823] (McD 6908)  
*gemellana* Heinrich, 1923  
Range.- I-IV (e. U.S.: NY-FL/KY-LA)  
Dates.- Jan-Nov  
Hosts.- Unknown
- 3053 **fraudabilis** Heinrich, 1923 (McD 6911)  
Range.- I (e. U.S.: VA-FL)

Dates.- Jun-Jul  
 Hosts.- Unknown  
 3072 **cocana** Kearfott, 1907 (McD 6926)  
     *rhodophaea* Meyrick, 1912, repl. name  
     Shortleaf pine cone borer  
 Range.- I-III (se. U.S.: NC-FL/KY-TX)  
 Dates.- Feb-May  
 Hosts.- *Pinus echinata* (Pinaceae)  
 3098 **giganteana** (Riley, 1881) (McD 6957)  
 Range.- I-IV (e. U.S.: NC-FL/MN-TX)  
 Dates.- Apr-Jun  
 Hosts.- *Silphium perfoliatum* (Compositae)  
 3099 **bipunctella** (Walker, 1863) (McD 6958)  
     *worthingtoniana* (Fernald, 1878)  
 Range.- I (e. U.S.: MI-FL/MN-TX?)  
 Dates.- Jun, Sep  
 Hosts.- *Silphium laciniata* (Compositae)  
 3110 **gomonana** Kearfott, 1907 (McD 6967)  
     *discipula* Meyrick, 1912, repl. name  
 Range.- I-IV (e. U.S.: NJ-FL/KY-TX)  
 Dates.- Feb-May  
 Hosts.- Unknown  
 3116 **dorsisignatana** (Clemens, 1860) (McD 6972)  
     *distigmata* (Walker, 1863)  
     *clavata* (Zeller, 1875)  
     a) **diffusana** Kearfott, 1905  
 Range.- I (e. N.Am.: NH-FL/B.C.-TX)  
 Dates.- Nov  
 Hosts.- *Solidago* sp. (Compositae)  
 3120 **derelecta** Heinrich, 1929 (McD 6975)  
     *juncticilana*.- Heinrich, 1923 (not Walsingham, 1879)  
     *derelecta* Powell, 1983, missp.  
 Range.- I-III (N.Am.: N.S.-FL/B.C.-TX)  
 Dates.- Jun, Sep-Oct  
 Hosts.- *Solidago* sp. (Compositae)  
 3122 **wandana** Kearfott, 1907 (McD 6977)  
     *eumaea* Meyrick, 1912, repl. name  
     *uta* Clarke, 1953  
     *ustulatana* Blanchard & Knudson, 1983  
 Range.- I (e. U.S.: OH-FL/IL-TX)  
 Dates.- Jul  
 Hosts.- Unknown  
 3126 **mobilenis** Heinrich, 1923 (McD 6981)  
 Range.- I(?) (Gulf Coast: [FL?]-MS)  
 Dates.- Sep-Oct  
 Hosts.- *Chrysoma pauciflosculosa* (Compositae)  
 3128 **pandana** Kearfott, 1907 (McD 6983)  
     *sardiopa* Meyrick, 1912, repl. name  
 Range.- I (e. U.S.: NJ-FL/IL-TX)  
 Dates.- Oct  
 Hosts.- Unknown  
 3129 **fiskeana** Kearfott, 1905 (McD 6984)  
 Range.- I-II (e. U.S.: NC-FL/IL-TX?)  
 Dates.- Nov  
 Hosts.- Unknown  
 3142 **cataclystiana** (Walker, 1863) (McD 7004)  
 Range.- I-III (N.Am.: NY-FL/Man.-NM; Mex.)  
 Dates.- May, Jul, Sep-Oct  
 Hosts.- Unknown  
 3144 **floridana** Kearfott, 1907 (McD 7006)  
 Range.- I-II (se. U.S.: NC-FL)  
 Dates.- Sep-Oct  
 Hosts.- Unknown

**PELOCHRISTA** Lederer, 1859

- Callimosema* Clemens, 1865  
*Pseudeucosma* Obraztsov, 1946  
 3152 **fratuelis** (Heinrich, 1923) (McD 6910)  
 Range.- I-II (se. U.S.: NC-FL/KY-MS?)  
 Dates.- Jun-Sep  
 Hosts.- Unknown  
 3170 **vandana** (Kearfott, 1907) (McD 7003)  
     *pholus* (Meyrick, 1912), repl. name  
 Range.- I-IV (Gulf Coast: FL-TX)  
 Dates.- Jan-Jul, Sep-Oct  
 Hosts.- Unknown
- 9.28**
- 12.6**
- EPIBLEMA** Hübner, [1825]  
*Cacochroea* Lederer, 1859  
*Monosphragis* Clemens, 1860  
*Euryptychia* Clemens, 1865  
 3172 **strenuana** (Walker, 1863) (McD 7014) **12.7-8**  
     *exvagana* (Walker, 1863)  
     *flavocellana* (Clemens, 1865)  
     *subversana* (Zeller, 1875)  
     *minutana* (Kearfott, 1905), preocc. (not Hübner, [1822])  
     *antaxia* (Meyrick, 1920), repl. name  
     Ragweed borer  
 Range.- I-VIII (U.S.: CT-FL/UT-CA; Mex.)  
 Dates.- Feb-Nov  
 Hosts.- *Ambrosia artemisiifolia*, *A. trifida* (Compositae)  
     *Chenopodium* sp. (Chenopodiaceae)  
     *Xanthium* sp. (Compositae)  
 3173 **abruptana** (Walsingham, 1879) (McD 7015)  
 Range.- I-V (e. U.S.: NY-FL/MN-TX)  
 Dates.- Mar-Apr, Jun  
 Hosts.- Unknown  
 3174 **numerosana** (Zeller, 1875) (McD 7016)  
 Range.- I-IV (e. U.S.: NC?-FL/MN-TX)  
 Dates.- Feb-Oct  
 Hosts.- *Hibiscus rosa-sinensis* (Malvaceae)  
 \*3175 **grossbecki** Heinrich, 1923 (McD 7017)  
 Range.- I-VIII (Florida)  
 Dates.- Jan-Jun, Sep-Oct  
 Hosts.- Unknown  
 3177 **separationis** Heinrich, 1923  
 Range.- I-VIII (se. U.S.: NC-FL/AL-TX)  
 Dates.- Sep-Oct  
 Hosts.- *Borrchia frutescens* (Compositae)  
 3178 **deflexana** Heinrich, 1923 (McD 7019)  
 Range.- I(?) (se. U.S.: FL?-TX; Mex.)  
 Dates.- Jun  
 Hosts.- Unknown  
 \*3179 **ochraceana** Fernald, 1901 (McD 7020)  
 Range.- IV (Florida)  
 Dates.- ?  
 Hosts.- *Iva imbricata*? (Compositae)  
 3183 **exacerbatricana** Heinrich, 1923 (McD 7024)  
 Range.- II-IV (se. U.S.: NC-FL/AL?)  
 Dates.- Apr-May, Oct  
 Hosts.- Unknown  
 3184 **tripartitana** (Zeller, 1875) (McD 7025) **12.9**  
 Range.- I-VI (e. U.S.: NY-FL/MN-NM)  
 Dates.- Mar-Jun, Sep  
 Hosts.- *Gutierrezia microcephala* (Compositae)  
     *Rudbeckia* sp., *R. laciniata*, *R. maxima* (Compositae)  
 3186 **scudderiana** (Clemens, 1860) (McD 7027) **9.32**

- saligneana* (Clemens, 1865)  
*affusana* (Zeller, 1875)  
 Range.- I-IV (e. N.Am.: Ont.-FL/MN-TX)  
 Dates.- Feb-Aug  
 Hosts.- *Heterotheca subaxillaris* (Compositae)  
*Solidago* sp. (Compositae)  
 3188 **discretivana** (Heinrich, 1921) (McD 7029)  
 Range.- I-VIII (se. U.S.: FL-TX)  
 Dates.- Jan-May, Jul  
 Hosts.- *Baccharis halimifolia* (Compositae)  
*Myrica cerifera* (Myricaceae)  
 3190 **desertana** (Zeller, 1875) (McD 7031)  
 Range.- I-IV (e. U.S.: NY-FL/MN-TX)  
 Dates.- Feb-May, Jul  
 Hosts.- *Solidago* sp. (Compositae)  
 3192 **carolinana** (Walsingham, 1895) (McD 7032)  
 Range.- I-II (e. U.S.: NY-FL/MN-TX)  
 Dates.- May  
 Hosts.- *Rudbeckia* sp. (Compositae)  
 3196 **walsinghamsi** (Kearfott, 1907) (McD 7035)  
 Range.- I (e. U.S.: NJ-FL/MN-TX?)  
 Dates.- May-Jun  
 Hosts.- Unknown  
 3202 **otiosana** (Clemens, 1860) (McD 7044)  
*inclinana* (Zeller, 1875)  
 Bidens borer  
 Range.- I-V (e. U.S.: MA-FL/MN-TX)  
 Dates.- Jan, Mar-Oct  
 Hosts.- *Ambrosia* sp. (Compositae)  
*Bidens frondosa* (Compositae)  
*Polygonum* sp. (Polygonaceae)  
 3205 **resumptana** (Walker, 1863) (McD 7010/7047)  
*abbreviatana* (Walsingham, 1879)  
 Range.- I-IV (e. N.Am.: Ont.-FL/Sask.-TX?)  
 Dates.- May  
 Hosts.- *Solidago* sp. (Compositae)  
**SULEIMA** Heinrich, 1923  
 3212 **helianthana** (Riley, 1881) (McD 7048)  
 Sunflower bud moth  
 Range.- I-III (U.S.: MD-FL/MN-CA)  
 Dates.- Jun, Oct-Nov  
 Hosts.- *Coreopsis* sp. (Compositae)  
*Helianthus* sp. (Compositae)  
**SONIA** Heinrich, 1923  
 3218 **constrictana** (Zeller, 1875) (McD 7054)  
 Range.- I-VI (e. U.S.: NC?-FL/IL-TX)  
 Dates.- Jan-Jun, Aug-Dec  
 Hosts.- Unknown  
 3218.1 **paraplesiana** A. Blanchard, 1979  
 Range.- I-IV (e. U.S.: MA-FL/MN-TX)  
 Dates.- Mar-Jun, Aug-Oct  
 Hosts.- *Baccharis neglecta* (Compositae)  
**GYPSONOMA** Meyrick, 1895  
 3226 **haimbachiana** (Kearfott, 1907) (McD 7061)  
 Cottonwood twig borer  
 Range.- I-II (e. U.S.: NJ-FL/MN-TX)  
 Dates.- Apr-May, Jul-Oct  
 Hosts.- *Populus deltoides*, *P. tremuloides* (Salicaceae)  
 3228 **salicicolana** (Clemens, 1864) (McD 7063)  
*saliciana* (Clemens, 1864)  
 Range.- I-VI (e. U.S.: NH-FL/IL-TX)  
 Dates.- Mar-Jun

Hosts.- *Salix* sp., *S. caroliniana*, *S. nigra* (Salicaceae)

- PROTEOTERAS** Riley, 1881  
 3230 **aesculana** Riley, 1881 (McD 7065) **12.12**  
 Range.- I-II (N.Am.: NY-FL/B.C.-CA)  
 Dates.- Mar-Apr  
 Hosts.- *Acer* sp., *A. negundo* (Aceraceae)  
*Aesculus* sp. (Hippocastanaceae)  
 3235 **moffatiana** Fernald, 1905 (McD 7070)  
 Range.- I (e. U.S.: Ont.-FL/WI-TX)  
 Dates.- May, Sep, Nov  
 Hosts.- *Acer* sp., *A. rubrum*, *A. saccharinum*, *A. saccharum* (Aceraceae)

- ZEIRAPHERA** Treitschke, 1829  
 3238 **claypoleana** (Riley, 1882) (McD 7073)  
*instrutana*.- Claypole, 1881 (not Clemens, 1865)  
 Range.- I-II (e. U.S.: OH-FL/MO-TX)  
 Dates.- Mar-Apr  
 Hosts.- *Aesculus* sp. (Hippocastanaceae)

- PSEUDEXENTERA** Heinrich, 1940  
*Exentera*.- auct. (not Grote, 1877)  
 3246 **cressoniana** (Clemens, 1864) (McD 7078, part)  
*improbana*.- (Heinrich, 1923) (not Walker, 1863)  
*caryana* McDunnough, 1940  
 Range.- I-III (e. U.S.: NH-FL/WI-TX)  
 Dates.- Feb-Apr  
 Hosts.- *Carya ovata* (Juglandaceae)  
*Quercus* sp. (Fagaceae)  
 3251 **spoliata** (Clemens, 1864) (McD 7080) **12.13**  
 Range.- I-III (e. U.S.: NY-FL/WI-TX)  
 Dates.- Jan-Feb, Apr  
 Hosts.- *Acer* sp. (Aceraceae)  
*Castanea dentata* (Fagaceae)  
*Quercus rubra* (Fagaceae)  
**12.10** 3251.1 **sepia** W. E. Miller, 1987  
 Range.- I-II (e. N.Am.: Que.-FL/WI-TX)  
 Dates.- Feb  
 Hosts.- Unknown  
 3252 **haracana** (Kearfott, 1907) (McD 7082) **12.14**  
 Range.- I-III (e. U.S.: NJ-FL/MN-TX)  
 Dates.- Feb-Mar  
 Hosts.- Unknown  
 3257 **costomaculana** (Clemens, 1860) (McD 7086)  
*bipustulana* (Walker, 1863)  
 Range.- I (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Feb  
**12.11** Hosts.- *Hamamelis virginiana* (Hamamelidaceae)  
 3257.1 **hodsoni** W. E. Miller, 1987  
 Range.- I (e. U.S.: PA-FL/IL-TX)  
 Dates.- Feb  
 Hosts.- *Quercus* sp. (Fagaceae)  
 3258 **virginiana** (Clemens, 1865) (McD 7087)  
 Range.- I-III (e. U.S.: CT-FL/MI-TX)  
 Dates.- Jan-Mar, May  
 Hosts.- Unknown

- GRETCHENA** Heinrich, 1923  
*Gwendolina* Heinrich, 1923  
*Gretchina* Forbes, 1923, missp.  
 3260 **concurbitana** Heinrich, 1923 (McD 7089)  
*concurbitana* Kimball, 1965, missp.

Range.- I-III (e. U.S.: PA-FL/MI-TX?)  
 Dates.- Mar  
 Hosts.- *Carya* sp. (Juglandaceae)  
 3263 **bolliana** (Slingerland, 1896) (McD 7092) **12.15**  
 Pecan bud moth  
 Range.- I-III (e. U.S.: NY-FL/MN-TX)  
 Dates.- Feb-Jul, Sep, Nov-Dec  
 Hosts.- *Carya illinoensis* (Juglandaceae)  
*Juglans* sp. (Juglandaceae)

**CHIMOPTESIS** Powell, 1964

3271 **matheri** Powell, 1964 **12.16**  
 Range.- I-IV (se. U.S.: FL-MS)  
 Dates.- Jan-Feb  
 Hosts.- Unknown  
 3272 **gerulae** (Heinrich, 1923) (McD 7099) **12.18**  
 Range.- I-II (e. U.S.: PA-FL/KY-TX)  
 Dates.- Jan  
 Hosts.- Unknown  
 3273 **pennsylvaniana** (Kearfott, 1907) (McD 7098) **12.17**  
 Range.- I-IV (e. U.S.: MA-FL/IL-TX)  
 Dates.- Jan-Mar  
 Hosts.- Unknown

**CROCIDOSEMA** Zeller, 1847

*Crocidosoma* Walker, 1863, missp.  
*Heligmocera* Walsingham, 1892  
*Parasuleima* Clarke, 1965  
 3274 **plebejana** Zeller, 1847 (McD 7101) **12.19**  
*altheana* (Mann, 1855)  
*lavaterana* (Milliere, 1863)  
*peregrinana* (Möschler, 1866)  
*obscura* (Wollaston, 1879)  
*plebeiana* Meyrick, 1886, emend.  
*signaotant*- Walsingham, 1894 (not Douglas, 1845)  
*ptiladelpha* Meyrick, 1917  
*insulana* Aurivillius, 1922  
*synneurota* Meyrick, 1926  
 Range.- I-VIII (s. U.S.: FL-CA; Mex.)  
 Dates.- Jan-Jun, Sep-Dec  
 Hosts.- *Abelmoschus esculentus* (Malvaceae)  
*Crataegus* sp. (Rosaceae),  
*Hibiscus furcellatus*, *H. rosa-sinensis* (Malvaceae)  
*Phaseolus limensis* (Leguminosae)  
*Sida rhombifolia* (Malvaceae)  
*Turnera ulmifolia* (Turneraceae)  
 3274.1 **lantana** (Busck, 1910) (McD 7174.1)  
*polyphaea* (Turner, 1926)  
*tornocosma* (Turner, 1946)  
*phaedropa* (Turner, 1946)  
*corynetes* (Diakonoff, 1982)  
 Range.- I-VI (Gulf Coast; FL-TX; Mex.; Hawaii [introd.])  
 Dates.- Jan-Feb, May-Jun, Dec  
 Hosts.- *Lantana aurora* (Verbenaceae)  
 3274.2 **litchivora** Baixeras, 2001 T  
 Litchi budmoth  
 Range.- VI-VIII (FL; West Indies; Costa Rica-Venezuela)  
 Dates.- Jan-Mar, Oct-Dec  
 Hosts.- *Litchi chinensis* (Sapindaceae)  
 3274.3 **unica** (Heinrich, 1923) (McD 7155)  
 Range.- I-IV (se. U.S.: TN-FL/MS-TX)  
 Dates.- Jan, Apr, Sep-Oct  
 Hosts.- *Centrosema virginianum* (Leguminosae)

**RHOPOBOTA** Lederer, 1859

*Erinaea* Meyrick, 1907  
*Norma* Heinrich, 1923  
*Kundrya* Heinrich, 1923  
*Eumarissa* Clarke, 1976  
 3277 **dietziana** (Kearfott, 1907) (McD 7102)  
 Range.- I-IV (e. U.S.: NH-FL/MI-CO-TX)  
 Dates.- Feb, Apr-Jun  
 Hosts.- *Ilex cassine*, *I. verticillata* (Aquifoliaceae)  
 3278 **finitimana** (Heinrich, 1923) (McD 7103)  
 Range.- I-II (e. U.S.: NH-FL/MI-TX)  
 Dates.- Apr-May  
 Hosts.- *Ilex verticillata* (Aquifoliaceae)

**EPINOTIA** Hübner, [1825]

*Acalla* Hübner, [1825]  
*Astatia* Hübner, [1825]  
*Asthenia* Hübner, [1825]  
*Evetria* Hübner, [1825]  
*Panoplia* Hübner, [1825]  
*Poecilochroma* Stephens, 1829  
*Paedisca* Treitschke, 1830  
*Steganoptychia* Stephens, 1834  
*Hypermezia* Guenée, 1845  
*Phlaeodes* Guenée, 1845  
*Pamplusia* Guenée, 1845  
*Cartella* Stephens, 1852  
*Halonota* Stephens, 1852  
*Lithographia* Stephens, 1852  
*Curtella* Stainton, 1859, missp.  
*Proteopteryx* Walsingham, 1879  
*Epinotis* Kearfott, 1907, missp.  
*Neurasthenia* Pierce & Metcalfe, 1922  
*Hamuligera* Obraztsov, 1946  
 [3279 lantana: see CROCIDOSEMA, 3274.1]  
 3287 **perplexana** (Fernald, 1901) (McD 7113) **12.20**  
 Range.- I-V (Gulf Coast: FL-TX)  
 Dates.- Jan-May, Aug, Oct, Dec  
 Hosts.- Unknown  
 [3330 unica: see CHROCIDOSEMA, 3274.3 (p. 322)]

**CATASTEGA** Clemens, 1861

3333 **timidella** (Clemens, 1861) (McD 7157)  
 Range.- I-IV (e. N.Am.: NY-FL/MN-TX; B.C.)  
 Dates.- Mar  
 Hosts.- *Betula* sp. (Betulaceae)  
*Juglans* sp. (Juglandaceae)  
*Quercus* sp. (Fagaceae)

**ANCYLIS** Hübner, [1825]

*Epicharis* Hübner, [1825], preocc. (Klug, 1807 [Hymenoptera])  
*Anchylopera* Stephens, 1829  
*Phoxopteris* Treitschke, 1830  
*Anticlea* Stephens, 1834, preocc. (Stephens, 1831 [Geometridae])  
*Philalcea* Stephens, 1835  
*Phoxopteryx* Sodoffsky, 1837, emend.  
*Sideria* Guenée, 1845  
*Siderea* auct., missp.  
*Phoxopteria* Wolcott, [1924], missp.  
 3361 **semiovana** (Zeller, 1875) (McD 7180)  
 Range.- I (e. N.Am.: Ont.-FL/MN-TX?)  
 Dates.- Apr-May, Dec

Hosts.- *Ceanothus* sp. (Rhamnaceae)

3370 **platanana** (Clemens, 1860) (McD 7189) **12.21**  
*marcidana* (Zeller, 1875)

Range.- I-II (e. U.S.: NY-FL/IL-TX)

Dates.- Mar, May, Jul-Aug, Nov

Hosts.- *Platanus occidentalis* (Platanaceae)

3374 **comptana** (Frölich, 1828) (McD 7177/7190/7193/7193.1) **12.22**

*conflexana* (Walker, 1863)

*pulchellana* (Clemens, 1864)

*lamiana* (Clemens, 1864)

*fragariae* (Walsh & Riley, 1869)

*amblygona* (Zeller, 1875)

*floridana* (Zeller, 1875)

*cometana* (Walshingham, 1879)

Strawberry leafroller

Range.- I-IV (N.Am. [introd.]: N.S.-FL/AK-CA; Mex.; Europe)

Dates.- Jan-Oct, Dec

Hosts.- *Arctostaphylos* sp. (Ericaceae)

*Fragaria* sp. (Rosaceae)

*Potentilla* sp. (Rosaceae)

*Rubus allegheniensis*, *R. idaeus*, *R. laciniatus* (Rosaceae)

?*Solidago* sp. (Compositae)

3375 **divisana** (Walker, 1863) (McD 7194)

Range.- I-V (e. N.Am.: N.S.-FL/WI-TX)

Dates.- Mar-Oct

Hosts.- *Platanus occidentalis* (Platanaceae)

*Quercus* sp. (Fagaceae)

3377 **muricana** (Walsingham, 1879) (McD 7196)

Range.- I-III (e. U.S.: NY-FL/MI-TX)

Dates.- Feb, May

Hosts.- *Cornus* sp. (Cornaceae)

*Fragaria* sp. (Rosaceae)

*Rubus* sp. (Rosaceae)

3379 **diminutana** (Haworth, 1811) (McD 7198)  
*diminuatana* Kearfott, 1905, missp.

Range.- I-VI (N.Am.: NH-FL/B.C.-CO)

Dates.- Jan

Hosts.- *Salix* sp. (Salicaceae)

3380 **goodelliana** (Fernald, 1882) (McD 7199)

Range.- I-V (e. N.Am.: ME-FL/Man.-TX?)

Dates.- Jan-Apr, Oct

Hosts.- Unknown

3388 **cordiae** Busck, [1934] T

Range.- VIII (FL; TX; Mex.; Cuba)

Dates.- Mar, Jun-Nov

Hosts.- *Cordia globosa* (Boraginaceae)

*Gouania polygama* (Rhamnaceae)

**HYSTRICOPHORA** Walsingham, 1879

*Hystricophora* auct., missp.

\*3398 **decorosa** Heinrich, 1929 (McD 7216)

Range.- III-IV (Florida)

Dates.- Apr-May

Hosts.- ?*Amorpha* sp. (Leguminosae)

3399 **vestaliana** (Zeller, 1875) (McD 7217)

Range.- I-III (e. U.S.: WI-FL/WY-TX)

Dates.- Apr-Jun

Hosts.- Unknown

## LASPEYRESIINI

**DICHRORAMPHA** Guenée, 1845

*Dicrorampha* Westwood, 1854, missp.

*Lipoptycha* Lederer, 1859

*Balbis* Walsingham, 1897

*Lipoptychodes* Obraztsov, 1953

*Dichroramphodes* Obraztsov, 1953

*Paralipoptycha* Obraztsov, 1958

\*3414.1 **sapodilla** Heppner, 1981 T **12.24**  
*Sapodilla* pod borer

Range.- IV-VIII (Florida)

Dates.- Mar-Jul, Oct

Hosts.- *Manilkara zapota* (Sapotaceae)

\*3414.2 **manilkara** Heppner, 1981 T **12.25**

Range.- VIII (Florida)

Dates.- Jun-Jul, Nov

Hosts.- *Manilkara bahamensis* (Sapotaceae)

**SATRONIA** Heinrich, 1926

3415 **tantilla** Heinrich, 1926 (McD 7232) **12.23**

Southern pine catkinworm

Range.- I-III (se. U.S.: MD-FL/AR-TX)

Dates.- Jan, Apr-Jun, Sep, Dec

Hosts.- *Pinus elliottii*, *P. palustris* (Pinaceae)

**RICULA** Heinrich, 1926

\*3416 **maculana** (Fernald, 1901) (McD 7233)

Range.- II-VI (Florida)

Dates.- Feb-Aug

Hosts.- *Schoepfia chrysophylloides*, *S. schreberi* (Olacaceae)

**TALPONIA** Heinrich, 1923

3417 **plummeriana** (Busck, 1906) (McD 7234)

Range.- I (e. U.S.: MD-FL/IL-TX)

Dates.- Feb

Hosts.- *Asimina triloba* [flowers] (Annonaceae)

**PAMMENE** Hübner, [1825]

*Palla* Billberg, 1820, preocc. (Hübner, [1819] [Nymphalidae])

*Hemimene* Hübner, [1825]

*Eucelis* Hübner, [1825]

*Pseudotomia* Stephens, 1829

*Heusimene* Stephens, 1834

*Encelis* Stephens, 1834, missp.

*Pyrodes* Guenée, 1845, preocc. (Audinet-Serville, 1832 [Coleoptera])

*Orchemia* Guenée, 1845 (not Fernald, 1900 [Choreutidae])

*Hemerosia* Stephens, 1852

*Phthoroblastis* Lederer, 1859

*Sphaeroeca* Meyrick, 1895, preocc. (Lauterborn, 1894 [Protozoa])

*Pamene* Rebel, 1901, missp.

*Metasphaeroeca* Fernald, 1908, repl. name

*Eucelis* Caradja, 1916, missp.

3419 **felicetana** Heinrich, 1923 (McD 7236)

Range.- I (e. N.Am.: Que-FL/IL-TX)

Dates.- May

Hosts.- Unknown

3422.1 **medioalbana** Knudson, 1986

Range.- I (Gulf Coast: FL-TX)

Dates.- Mar  
Hosts.- Unknown

**LARISA** W. E. Miller, 1978  
3423 **subsolana** W. E. Miller, 1978  
Range.- I-V (e. N.Am.: Ont.-FL/MI-TX)  
Dates.- Mar-Oct  
Hosts.- *Carya illinoensis* (Juglandaceae)

**ETHELGODA** Heinrich, 1926  
3424 **texanana** (Walsingham, 1879 (McD 7240)  
Range.- I-VI (Gulf Coast: FL-TX)  
Dates.- Apr-Sep  
Hosts.- *Euphorbia* sp. (Euphorbiaceae)  
*Gymnanthes lucida* (Euphorbiaceae)  
*Stillingia sylvatica* (Euphorbiaceae)

**SEREDA** Heinrich, 1923  
3425 **tautana** (Clemens, 1865) (McD 7241)  
*perfluana* (Zeller, 1875)  
*lautana* (Fernald, 1882), emend.  
Range.- I (e. N.Am.: NH-FL/Sask.-TX)  
Dates.- Feb  
Hosts.- Unknown

**GRAPHOLITA** Treitschke, 1829  
*Grapholitha* Treitschke, 1830, emend.  
*Euspila* Stephens, 1834  
*Aspila* Stephens, 1834  
*Ephippiphora* Duponchel, 1834  
*Opadia* Guenée, 1845  
*Endopisa* Guenée, 1845  
*Stigmonota* Guenée, 1845  
*Eudopisa* Desmarest, 1857, missp.  
*Coptoloma* Lederer, 1859  
*Endopsia* auct., missp.  
3426 **molesta** (Busck, 1916) (McD 7242) **12.28**  
Oriental fruit moth  
Range.- I-III (e. U.S. [introd.]: PA-FL/MI-TX; Mex.; Brazil-Chile; Europe; east Asia; Australia)  
Dates.- Oct  
Hosts.- *Carya illinoensis* (Juglandaceae)  
*Cotoneaster* sp. (Rosaceae)  
*Cydonia oblonga* (Rosaceae)  
*Litchi chinensis* (Sapindaceae)  
*Malus*, sp. (Rosaceae)  
*Mespilus* sp. (Rosaceae)  
*Photinia* sp. (Rosaceae)  
*Prunus avium*, *P. domestica*, *P. persica*, *P. persica nectarina* (Rosaceae)  
*Pyrus* sp. (Rosaceae)  
*Rosa* sp. (Rosaceae)  
3428 **packardi** Zeller, 1875 (McD 7244) **12.29**  
*pyricolana* (Murtfeldt, 1891)  
Cherry fruitworm  
Range.- I-III (e. U.S.: NH-FL/MN-TX)  
Dates.- Feb-Apr, Jul  
Hosts.- *Crataegus* sp. (Rosaceae)  
*Malus* sp. (Rosaceae)  
*Prunus persica*? (Rosaceae)  
*Rosa* sp. (Rosaceae)  
*Vaccinium* sp. (Ericaceae)  
3443 **tristrigana** (Clemens, 1865) (McD 7258)  
*saundersana* (Kearfott, 1907)  
Range.- I-V (e. N.Am.: Ont.-FL/MI-TX)

Dates.- Mar-May, Sep  
Hosts.- *Baptisia* sp. (Leguminosae)  
*Lupinus* sp., *L. diffusus* (Leguminosae)

**12.26 CORTICIVORA** Clarke, 1951  
3446.1 **chica** R. Brown, 1984 **12.30**  
Range.- I-VI (Gulf Coast: FL-LA)  
Dates.- Apr-May, Aug  
Hosts.- Unknown  
3446.2 **parva** R. Brown, 1984 **12.31**  
Range.- I-III (e. U.S.: MA-FL/MO-TX)  
Dates.- Mar-May  
Hosts.- Unknown

**CYDIA** Hübner, [1825]  
*Laspeyresia* Hübner, [1825], preocc. (Reichenbach, 1817 [Noctuidae])  
*Erminea* Kirby & Spence, 1826  
*Semasia* Stephens, 1829  
*Cerata* Stephens, 1829  
*Carpocapsa* Treitschke, 1829  
*Coccyx* Treitschke, 1829  
*Carpocampa* Harris, 1841, emend.  
*Trycheris* Guenée, 1845  
*Melissopus* Riley, 1881  
*Melliopus* Packard, 1890, missp.  
*Mellisopus* Fernald, 1891, missp.  
*Adenoneura* Walsingham, 1907  
*Melissopus* Fernald, 1908, missp.  
*Crobylophora* Kennel, 1910, preocc. (Meyrick, 1881 [Lyonetiidae])  
*Hedulia* Heinrich, 1926,  
*Lasperesia* Wu, 1938, missp.  
*Kenneliola* Paclt, 1951, repl. name  
*Lespeyresia* Gozmány, 1957, missp.  
*Pseudotomoides* Obraztsov, 1959  
*Erminia* Obraztsov, 1959, missp.  
*Crobylophora* Obraztsov, 1959, missp.  
*Phanetoprepia* Obraztsov, 1968  
*Dicraniana* Diakonoff, 1984

3449 **laricana** (Busck, 1916) (McD 7262)  
Dates.- I-III (w. U.S.: MT [FL? introd.])  
Range.- Feb-Apr, Jul-Oct  
Hosts.- *Larix occidentalis* (Pinaceae)  
*Pseudotsuga taxifolia* (Pinaceae)  
\*3462 **palmetum** (Heinrich, 1928) (McD 7274) T **12.32**  
Range.- VI-VIII (Florida)  
Dates.- Mar-May, Jul, Nov-Dec  
Hosts.- ?*Ardisia escallonioides* (Myrsinaceae)  
*Coccothrinax argentata* (Palmae)  
3471 **caryana** (Fitch, 1856) (McD 7280) **12.33**  
*caryae* (Schimer, 1869)  
Hickory shuckworm  
Range.- I-IV (e. U.S.: NJ-FL/MI-TX)  
Dates.- Mar-May, Aug-Nov  
Hosts.- *Carya* sp., *C. illinoensis* (Juglandaceae)  
3479 **gallaesaliciana** (Riley, 1881) (McD 7287)  
Range.- I-III (e. U.S.: MA-FL/IL-TX)  
Dates.- Feb-Mar  
Hosts.- *Salix* sp. (Salicaceae)  
3482 **fahlbergiana** (Thunberg, 1797) (McD 7291) T  
*flavicollis* Walsingham, 1897  
Range.- IV-VIII (FL; West Indies)

- Dates.- Apr, Jun, Nov  
 Hosts.- *Pithecellobium unguis-cati* (Leguminosae)  
 3486 **toreuta** (Grote, 1873) (McD 7295)  
 Eastern pine seedworm  
 Range.- I-II (e. U.S.: PA-FL/MN-TX)  
 Dates.- May-Jun  
 Hosts.- *Pinus banksiana*, *P. resinosa*, *P. virginiana* (Pinaceae)  
 3487 **ingens** (Heinrich, 1926) (McD 7296) **12.34**  
 Longleaf pine seedworm  
 Range.- I-IV (se. U.S.: NC-FL/MS-LA)  
 Dates.- Mar-Jun  
 Hosts.- *Pinus* sp. (Pinaceae)  
 3488 **anaranjada** (Miller, 1959) (McD 7296.1)  
 Slash pine seedworm  
 Range.- I-VI (se. U.S.: GA-FL/AL)  
 Dates.- Jan, Apr-Jun, Sep  
 Hosts.- *Pinus elliotii*, *P. palustris* (Pinaceae)  
 3492 **pomonella** (Linnaeus, 1758) (McD 7301) **12.37**  
*pomana* (Fabricius, 1775), emend.  
*pomonana* ([Denis & Schiffermüller], 1775)  
*pomonana* (Treitschke, 1830)  
 Codling moth  
 Range.- I-III (N.Am. [introd.]: Que.-FL/B.C.-CA; Mex.; Colombia-Argentina; Europe-Japan; China; Australia-New Zealand; S. Africa)  
 Dates.- May, Aug, Oct  
 Hosts.- *Castanea* sp. (Fagaceae)  
*Crataegus* sp., *C. aestivalis* (Rosaceae)  
*Cydonia oblonga* (Rosaceae)  
*Ficus* sp. (Moraceae)  
*Juglans* sp. (Juglandaceae)  
*Malus* sp. (Rosaceae)  
*Prunus* sp. (Rosaceae)  
*Pyrus* sp. (Rosaceae)  
*Sorbus* sp. (Rosaceae)  
 3493.1 **largo** Heppner, 1981 T  
 Range.- II?-VIII (FL; TX; Mex.; West Indies)  
 Dates.- Mar-Jul, Sep  
 Hosts.- *Acacia* sp. *A. farnesiana* (Leguminosae)  
*Lysiloma latisiliqua* (Leguminosae)  
*Pithecellobium dulce* (Leguminosae)  
*Sambucus* sp. (Caprifoliaceae)  
 3494 **latiferreana** (Walsingham, 1879) (McD 7300)  
*aurichalceana* (Riley, 1881)  
*inquilina* (Kearfott, 1907)  
 Filbertworm  
 Range.- I-IV (U.S.: MA-FL/WA-CA; Mex.)  
 Dates.- May-Nov  
 Hosts.- *Betula* sp. (Betulaceae)  
*Castanea dentata* (Fagaceae)  
*Quercus* sp. (Fagaceae)  
*Prunus lyonii* (Rosaceae)  
 3495 **punctidiscanum** (Dyar, 1904) (McD 7302)  
 Range.- I-V (e. N. Am.: Ont.-FL/WI-TX)  
 Dates.- Jan, Mar-Nov  
 Hosts.- *Quercus rubra* (Fagaceae)  
*Robinia* sp. (Leguminosae)  
 \*3496 **desotanum** (Heinrich, 1926) (McD 7303) T  
 Range.- III-VIII (FL; West Indies)  
 Dates.- Jan-Apr, Jun-Aug, Oct-Nov  
 Hosts.- *Rhizophora mangle* (Rhizophoraceae)  
*Avicennia germinans* (Avicenniaceae)  
*Gymnandrosoma* Dyar, 1904  
*Gynandrosoma* Sharp, 1905  
*Ecdytolophia* Fracker, 1915, missp.  
 3497 **insiticiana** Zeller, 1875 (McD 7304)  
 Locust twig borer  
 Range.- I-II (N.Am.: Ont.-FL/Man.-CA)  
 Dates.- May-Oct  
 Hosts.- *Robinia* sp., *R. pseudoacacia* (Leguminosae)  
*Wisteria* sp. (Leguminosae)  
 3498 **mana** (Kearfott, 1907) (McD 7305/7306)  
*islandana* (Kearfott, 1907)  
*thaliastis* (Meyrick, 1912), repl. name  
*insulicola* (Meyrick, 1912), repl. name  
 12.35 Range.- I (s. U.S.: MD-FL/MO-AZ)  
 Dates.- Apr-Aug.  
 Hosts.- *Celtis* sp. [galls] (Ulmaceae)  
**PSEUDOGALLERIA** Ragonot, 1884  
 3500 **inimicella** (Zeller, 1872) (McD 6744) **11.40**  
 Range.- I-IV (e. N.Am.: ME-FL/Man.-TX)  
 Dates.- Jan-Jun, Aug-Sep  
 Hosts.- *Smilax* sp., *S. herbacea* (Smilacaceae)

## TORTRICINAE

[now placed before Olethreutinae; see classification on p. 73]

## TORTRICINI

## CROESIA Hübner, [1825]

- Argyrotoza* Stephens, 1829  
*Argyrotoza* Curtis, 1831, emend.  
*Argyrotoxa* Agassiz, 1846, emend.  
*Croesia* Fernald, 1908, missp.  
*Argrotoxa* Pierce & Metcalfe, 1922, emend.  
 3502 **albicomana** (Clemens, 1865) (McD 73469)  
*bergmanniana*.- auct. (not Linnaeus, 1758)  
 12.36 Range.- I-II (N.Am.: Que.-FL/B.C.-CA)  
 Dates.- Apr  
 Hosts.- *Rosa* sp. (Rosaceae)  
 3503 **semipurpurana** (Kearfott, 1905) (McD 7470)  
*dorsipurpurana* (Kearfott, 1907)  
 Oak leaf shredder  
 Range.- I-IV (e. N.Am.: Que.-FL/WI-TX)  
 Dates.- Mar-May  
 Hosts.- *Quercus* sp., *Q. rubra*, *Q. velutina* (Fagaceae)  
*Rosa* sp. (Rosaceae)  
 3504 **curvalana** (Kearfott, 1907) (McD 7471)  
 Blueberry leaf-tier  
 Range.- I-IV (N.Am.: Newfd.-FL/B.C.-MS)  
 Dates.- Mar  
 Hosts.- *Gaylussacia* sp. (Ericaceae)  
*Vaccinium* sp., *V. angustifolium* (Ericaceae)

## ACLERIS Hübner, [1825]

- Peronea* Curtis, 1824, preocc. (Rafinesque, 1815)  
*Lopas* Hübner, [1825]  
*Rhacodia* Hübner, [1825]  
*Eclectis* Hübner, [1825]  
*Teleia* Hübner, [1825]  
*Oxigrapha* Hübner, [1825]  
*Amelia* Hübner, [1825]  
*Rhacodia* Hübner, 1826, missp.  
*Leptogramma* Stephens, 1829

## ECDYTOLOPHA Zeller, 1875



- Glyphisia* Stephens, 1829  
*Cheimatophila* Stephens, 1829  
*Teras* Treitschke, 1829  
*Phloiophila* Duponchel, 1834  
*Glyphiptera* Duponchel, 1834  
*Oxygrapha* Stainton, 1859, emend.  
*Alceris* Fernald, 1903, missp.  
*Phylacophora* Filippi, 1931
- 3539 **chalybeana** (Fernald, 1882) (McD 7482)  
 Range.- I-II (N.Am.: N.S.-FL/WI-TX)  
 Dates.- Apr-May  
 Hosts.- *Acer* sp., *A. rubrum*, *A. spicatum*, *A. saccharum* (Aceraceae)  
*Betula* sp. (Betulaceae)  
*Fagus* sp. (Fagaceae)  
*Quercus rubra* (Fagaceae)
- 3540 **logiana** (Clerck, 1759) (McD 7503)  
 a) **placidana** (Robinson, 1869)  
*parisiana*.- auct. (not Guenée, 1845)  
*scabrana*.- auct. (not [Denis & Schiffermüller], 1775)  
*niveana*.- auct., part (not Fabricius, 1787)  
*boscana*.- auct., part (not Fabricius, 1784)  
*trisinana* (Robinson, 1869)
- Range.- I (N.Am.: Que.-FL/B.C.-WA; Europe)  
 Dates.- May  
 Hosts.- *Alnus* sp. (Betulaceae)  
*Betula* sp., *B. alleghaniensis*, *B. papyrifera* var. *commutata* (Betulaceae)  
*Viburnum* sp. (Caprifoliaceae)
- 3543 **maculidorsana** (Clemens, 1864) (McD 7497) **13.41**  
*hypericana* (Ely, 1910)
- Range.- I-II (e. N.Am.: Ont.-FL/Man.-TX)  
 Dates.- Feb, Apr-May  
 Hosts.- Unknown
- 3543.1 [**n. sp.**]  
 Range.- I-III (se. U.S.: [GA]-FL/[AR-TX?])  
 Dates.- Apr  
 Hosts.- Unknown

**APOTOFORMA** Busck, 1934

- Emeralda* Diakonoff, 1960
- 3564 **rotundipennis** (Walsingham, 1897) (McD 7471.2) T **13.38**  
 Range.- II-VI (FL; West Indies)  
 Dates.- May-Aug, Oct  
 Hosts.- *Acacia* sp., *A. arabica*, *A. farnesiana* (Leguminosae)  
*Prosopis juliflora* (Leguminosae)

**ARCHIPINI****PANDEMIS** Hübner, [1825]

- 3594 **limitata** (Robinson, 1869) (McD 7373)  
*limitana* Forbes, 1923, missp.  
 Three-lined leafroller
- Range.- I-II (N.Am.: Que.-FL/KS-TX)  
 Dates.- Mar-Apr, Sep-Oct  
 Hosts.- *Alnus* sp. (Betulaceae)  
*Betula* sp. (Betulaceae)  
*Malus* sp. (Rosaceae)  
*Populus* sp. (Salicaceae)  
*Prunus* sp. (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Tilia* sp. (Tiliaceae)  
*Ulmus americana* (Ulmaceae)

**ARGYROTAENIA** Stephens, 1852

- Subargyrotaenia* Obrastsov, 1961
- 3597 **velutinana** (Walker, 1863) (McD 7443/7444)  
*triferana* (Walker, 1863)  
*lutosana* (Clemens, 1865)  
*incertana* (Clemens, 1865)  
 Red-banded leafroller
- Range.- I-II (N.Am.: Que.-FL/B.C.-TX)  
 Dates.- Jan-Feb, May-Jun, Aug, Sep-Dec  
 Hosts.- *Alnus* sp. (Betulaceae)  
*Betula* sp. (Betulaceae)  
*Ilex decidua* (Aquifoliaceae)  
*Ligustrum japonicum* (Umbelliferae)  
*Malus* sp. (Rosaceae)  
*Populus* sp. (Salicaceae)  
*Prunus* sp. (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Tilia* sp. (Tiliaceae)  
*Ulmus americana* (Ulmaceae)
- 3598.1 **hodgei** Heppner, 1989 **13.39**  
 Range.- I-V (Gulf Coast: FL-TX)  
 Dates.- Jan-Mar, May, Aug, Dec  
 Hosts.- Unknown
- 3599 **floridana** Obrastsov, 1961 (McD 7443.1) **13.30**  
 Range.- I-VI (Gulf Coast: FL-TX)  
 Dates.- Feb, Sep-Dec  
 Hosts.- *Dolichorisandra thyrsiflora* (Commelinaceae)
- \*3600 **kimballi** Obrastsov, 1961 (McD 7443.2) **13.31**  
 Range.- II-VIII (Florida)  
 Dates.- Jan-Aug, Oct-Dec  
 Hosts.- *Citrus* sp. (Rutaceae)
- 3602 **pinatubana** (Kearfott, 1905) (McD 7445)  
*politana*.- auct. (not Haworth, 1811)  
*pinitubana* (Meyrick, 1913), emend.  
 Pine tube moth
- Range.- I-IV (e. N.Am.: Newfd.-FL/B.C.-TX)  
 Dates.- Jan-May, Jul-Dec  
 Hosts.- *Abies amabilis*, *A. balsamea* (Pinaceae)  
*Picea sitchensis* (Pinaceae)  
*Pinus* sp., *P. banksiana*, *P. contorta* var. *latifolia*, *P. elliotii*, *P. strobus* (Pinaceae)  
*Pseudotsuga menziesii* (Pinaceae)  
*Thuja plicata* (Cupressaceae)  
*Tsuga* sp., *T. heterophylla* (Pinaceae)
- 3603 **tabulana** T. N. Freeman, 1944 (McD 7450.1) **13.32**  
 Range.- I-III (N.Am.: Que.-FL/B.C.-TX)  
 Dates.- Jan-Oct  
 Hosts.- *Pinus banksiana*, *P. contorta* var. *latifolia*, *P. rigida*, *P. taeda* (Pinaceae)
- \*3606 **amatana** (Dyar, 1901) (McD 7446/7467) **13.34-36**  
*chiocccana* (Kearfott, 1907)  
*chiococcana* (Meyrick, 1912), emend.  
 Pond apple leafroller
- Range.- II-VIII (Florida)  
 Dates.- Mar-Nov  
 Hosts.- *Acer rubrum* (Aceraceae)  
*Annona diversifolia*, *A. glabra*, *A. squamosa* (Annonaceae)  
*Citrus sinensis* (Rutaceae)  
*Eugenia* sp. (Myrtaceae)  
*?Eupatorium incarnatum* (Compositae)  
*Gardenia jasminoides* (Rubiaceae)

- Laguncularia racemosa* (Combretaceae)  
*Lysiloma bahamensis* (Leguminosae)  
*Nectandra coriacea* (Lauraceae)  
*Persea americana*, *P. borboina* (Lauraceae)  
*?Sagittaria falcata* (Alismataceae)  
*Taxodium distichum* (Taxodiaceae)  
*Viburnum odoratissimum* (Caprifoliaceae)
- 3622 **juglandana** (Fernald, 1879) (McD 7454) **13.33**  
 Hickory leafroller  
 Range.- I-IV (e. N.Am.: Que.-FL/MN-TX)  
 Dates.- Apr-May  
 Hosts.- *Carya* sp., *C. ovata* (Juglandaceae)  
*Juglans* sp., *J. nigra* (Juglandaceae)  
*Prunus* sp. (Rosaceae)  
*Viburnum* sp., *V. suspensum* (Caprifoliaceae)
- 3623 **quercifoliana** (Fitch, 1858) (McD 7452)  
*quadrifasciana*.- Rings & Rings, 2001, misid.  
 (not Fernald, 1882)  
 Yellow-winged oak leafroller  
 Range.- I-IV (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- Mar-May  
 Hosts.- *Acer spicatum* (Aceraceae)  
*Hamamelis* sp. (Hamamelidaceae)  
*Malus* sp. (Rosaceae)  
*Quercus alba*, *Q. macrocarpa*, *Q. palustris*, *Q. rubra*, *Q. virginiana* (Fagaceae)  
*Rhamnus* sp. (Rhamnaceae)
- 3624 **alisellana** (Robinson, 1869) (McD 7451)  
 Range.- I (e. N.Am.: Que.-FL/WI-TX)  
 Dates.- May-Jun, Oct  
 Hosts.- *Quercus* sp., *Q. alba*, *Q. macrocarpa*, *Q. velutina* (Fagaceae)
- 3625 **mariana** (Fernald, 1882) (McD 7450)  
 Gray-banded leafroller  
 Range.- I (e. N.Am.: N.S.-FL/Sask.-MS?)  
 Dates.- May  
 Hosts.- *Acer* sp. (Aceraceae)  
*Alnus* sp. (Betulaceae)  
*Betula* sp., *B. alleghaniensis*, *B. papyrifera* var. *commutata* (Betulaceae)  
*Populus tremuloides* (Betulaceae)  
*Prunus virginiana* (Rosaceae)  
*Pyrus* sp. (Rosaceae)  
*Quercus?* sp. (Fagaceae)  
*Salix* sp. (Salicaceae)  
*Ulmus americana* (Ulmaceae)  
*Vaccinium* sp. (Ericaceae)
- 3627 **ivana** (Fernald, 1901) (McD 7419) **13.37**  
*citrana*.- Griffiths & Thompson, 1957, misid.  
 (not Fernald, 1889)  
*citrana*.- Kimball, 1965, misid. (not Fernald, 1889)  
 Ivana leafroller  
 Range.- I-VI (Gulf Coast: [GA]/FL-TX)  
 Dates.- Jan-Jul, Sep-Nov  
 Hosts.- *Apium graveolens* var. *dulce* (Umbelliferae)  
*Aquilegia* sp. (Ranunculaceae)  
*Asparagus* sp. (Liliaceae)  
*Crataegus* sp. (Rosaceae)  
*Citrus paradisi*, *C. sinensis* (Rutaceae)  
*Geranium* sp. (Geraniaceae)  
*Gnaphalium obtusifolium* (Compositae)  
*Myriophyllum aquaticum* (Haloragidaceae)  
*Polygonum densiflorum*, *P. punctatum* (Polygonaceae)
- Rosa* sp. (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Solidago* sp. (Compositae)
- CHORISTONEURA** Lederer, 1859
- 3631 **obsoletana** (Walker, 1863) (McD 7381/7382) **13.23**  
*transiturana* (Walker, 1863)  
*vesperana* (Clemens, 1865)  
*sanbornana* (Robinson, 1869)  
*seminolana* (Kearfott, 1907)  
 Range.- I-IV (N.Am.: N.S.-FL/NV-TX)  
 Dates.- Apr-Dec  
 Hosts.- *Apium graveolens* var. *dulce* (Umbelliferae)  
*Asimina* sp., *A. angustifolia* (Annonaceae)  
*Betula papyrifera* var. *commutata* (Betulaceae)  
*Cassia* sp. (Leguminosae)  
*Chiococca alba* (Rubiaceae)  
*Fragaria* sp. (Rosaceae)  
*Gaylussacia* sp. (Ericaceae)  
*Rubus* sp. (Rosaceae)
- 3632 **fractivittana** (Clemens, 1865) (McD 7396)  
*fumosa* (Robinson, 1869)  
 Range.- I-II (e. N.Am.: Que.-FL/Man.-TX)  
 Dates.- Mar-Apr, Aug?  
 Hosts.- *Acer rubrum* (Aceraceae)  
*Betula* sp. (Salicaceae)  
*Fagus* sp. (Fagaceae)  
*Malus* sp. (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Rubus* sp. (Rosaceae)  
*Ulmus* sp. (Ulmaceae)
- 3633 **parallela** (Robinson, 1869) (McD 7401) **13.24-25**  
 Parallel-banded leafroller  
 Range.- I-II (N.Am.: Ont.-FL/NV-TX)  
 Dates.- Mar-May  
 Hosts.- *Acer rubrum* (Aceraceae)  
*Citrus* sp. (Rutaceae)  
*Gardenia* sp.  
*Gerbera jamesonii* (Compositae)  
*Hypericum perforatum*, *H. sphaerocarpum* (Guttiferae)  
*Kalmia* sp. (Ericaceae)  
*Myrica* sp., *M. cerifera* (Myricaceae)  
*Myriophyllum aquaticum* (Haloragidaceae)  
*Phaseolus* sp. (Leguminosae)  
*Photinia* sp., *P. fraseri* (Rosaceae)  
*Polygonum punctatum* (Polygonaceae)  
*Rosa* sp. (Rosaceae)  
*Sarracenia purpurea* (Sarraceniaceae)  
*Solidago* sp. (Compositae)  
*Vaccinium* sp. (Ericaceae)  
*Viburnum suspensum* (Caprifoliaceae)
- 3635 **rosaceana** (Harris, 1841) (McD 7405) **13.26-27**  
*vicariana* (Walker, 1863)  
*gossypiana* (Packard, 1869)  
 Oblique-banded leafroller  
 Range.- I-V (N.Am.: N.S.-FL/B.C.-CA)  
 Dates.- Jan-Sep, Dec  
 Hosts.- *Abies balsamea* (Pinaceae)  
*Acer* sp., *A. negundo*, *A. rubrum*, *A. saccharum*, (Aceraceae)  
*Aesculus* sp. (Hippocastanaceae)  
*Alnus* sp. (Betulaceae)

- Apium graveolens* var. *dulce* (Umbelliferae)  
*Arctium lappa* (Compositae)  
*Betula* sp., *B. alleghaniensis*, *B. papyrifera* var. *commutata*, *B. populifolia* (Rhamnaceae)  
*Carya illinoensis* (Juglandaceae)  
*Cirsium* sp. (Compositae)  
*Cornus* sp. *C. sericea* (Cornaceae)  
*Corylus* sp. (Betulaceae)  
*Crataegus* sp. (Rosaceae)  
*Fagus* sp. (Fagaceae)  
*Fragaria* sp. (Rosaceae)  
*Fraxinus* sp. (Oleaceae)  
*Gossypium herbaceum* (Malvaceae)  
*Hypericum* sp. (Guttiferae)  
*Lonicera* sp. (Caprifoliaceae)  
*Malus* sp. (Rosaceae)  
*Persea* sp. (Lauraceae)  
*Picea glauca* (Pinaceae)  
*Polyscias fruticosa* 'Elegans' (Araliaceae)  
*Populus* sp., *P. tremuloides*, *P. balsamifera* (Salicaceae)  
*Prunus* sp., *P. americana*, *P. avium*, *P. cerasus*, *P. domestica*, *P. pensylvanica*, *P. persica*, *P. serotina*, *P. virginiana* (Rosaceae)  
*Psidium guajava* (Myrtaceae)  
*Quercus* sp., *Q. macrocarpa*, *Q. rubra* (Fagaceae)  
*Rhododendron* sp. (Ericaceae)  
*Rhus* sp. (Anacardiaceae)  
*Ribes* sp., *R. americanum*, *R. sativum*, *R. uva-crispa* (Saxifragaceae)  
*Rosa* sp., *R. blanda* (Rosaceae)  
*Rubus* sp., *R. flagellaris*, *R. idaeus* (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Syringa* sp. (Oleaceae)  
*Tilia* sp. (Tiliaceae)  
*Trifolium* sp. (Leguminosae)  
*Tripogandra multiflora* (Commelinaceae)  
*Ulmus* sp. (Ulmaceae)
- 3635.1 **argentifasciata** Heppner, 1989 13.29  
 Range.- I-VI (Gulf Coast: [GA]/FL-TX)  
 Dates.- Mar-Aug  
 Hosts.- Unknown [?Taxodium sp. (Taxodiaceae)]
- 3637 **conflictana** (Walker, 1863) (McD 7407)  
 Large aspen tortrix  
 Range.- I-II (N.Am.: FL/Yukon-CA)  
 Dates.- Feb-Mar  
 Hosts.- *Acer* sp. (Aceraceae)  
*Alnus* sp., *A. rugosa* (Betulaceae)  
*Amelanchior arborea* (Rosaceae)  
*Betula* sp., *B. alleghaniensis*, *B. populifolia* (Betulaceae)  
*Cornus* sp., *C. alternifolia* (Cornaceae)  
*Corylus* sp. (Betulaceae)  
*Fagus* sp. (Fagaceae)  
*Picea glauca* (Pinaceae)  
*Pinus* sp., *P. banksiana* (Pinaceae)  
*Populus* sp., *P. alba*, *P. balsamea*, *P. grandidentata*, *P. tremuloides*, *P. trichocarpa* (Betulaceae)  
*Prunus* sp., *P. pensylvanica*, *P. virginiana* (Rosaceae)  
*Rosa* sp. (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Sorbus* sp. (Rosaceae)
- 3638 **fumiferana** (Clemens, 1865) (McD 7408)  
*nigridia* (Robinson, 1869)  
 Spruce budworm  
 Range.- I-III (N.Am.: Labr.-FL/Yukon-CA)  
 Dates.- Feb, Apr-May (stray?)  
 Hosts.- *Abies* sp., *A. amabilis*, *A. balsamea*, *A. grandis*, *A. lasiocarpa* (Pinaceae)  
*Juniperus* sp. (Cupressaceae)  
*Larix laricina*, *L. occidentalis* (Pinaceae)  
*Picea* sp., *P. abies*, *P. engelmannii*, *P. glauca*, *P. mariana*, *P. pungens*, *P. rubens*, *P. sitchensis* (Pinaceae)  
*Pinus* sp., *P. banksiana*, *P. contorta* var. *latifolia*, *P. glauca*, *P. monticola*, *P. resinosa*, *P. strobus*, *P. sylvestris* (Pinaceae)  
*Pseudotsuga menziesii* (Pinaceae)  
*Thuja occidentalis* (Cupressaceae)  
*Tsuga* sp., *T. canadensis*, *T. heterophylla*, *T. mertensiana* (Pinaceae)
- 3643 **pinus** T. N. Freeman, 1953 13.28  
 a) **maritima** T. N. Freeman, 1967  
 Jack pine budworm  
 Range.- I-II (N.Am.: Que.-FL/Sask.-TX)  
 Dates.- May  
 Hosts.- *Abies* sp., *A. balsamea* (Pinaceae)  
*Larix laricina* (Pinaceae)  
*Picea* sp., *P. glauca*, *P. mariana*, *P. pungens* (Pinaceae)  
*Pinus* sp., *P. banksiana*, *P. contorta* var. *latifolia*, *P. resinosa*, *P. rigida*, *P. strobus*, *P. sylvestris*, *P. virginiana* (Pinaceae)
- ARCHIPS** Hübner, 1822  
*Cacoecia* Hübner, [1825]  
*Archippus* Freeman, 1958
- 3648 **argyrospila** (Walker, 1863) (McD 7388)  
*furvanus* (Robinson, 1869)  
*v-signatanus* (Packard, 1870)  
 Fruit-tree leafroller  
 Range.- I-IV (N.Am.: N.S.-FL/B.C.-CA; Mex.)  
 Dates.- Mar-May  
 Hosts.- *Acer* sp. (Aceraceae)  
*Aesculus* sp., *A. californicus* (Hippocastanaceae)  
*Amorpha fruticosa* (Leguminosae)  
*Betula* sp. (Betulaceae)  
*Carpinus* sp. (Betulaceae)  
*Ceanothus* sp. (Rhamnaceae)  
*Cercocarpus* sp. (Rosaceae)  
*Citrofortunella mitis* (Rutaceae)  
*Citrus paradisi*, *C. sinensis* (Rutaceae)  
*Comptonia peregrina* (Myricaceae)  
*Cornus* sp. (Cornaceae)  
*Cydonia oblonga* (Rosaceae)  
*Eriodictyon* sp. (Hydrophyllaceae)  
*Fraxinus* sp. (Oleaceae)  
*Juglans regia* (Juglandaceae)  
*Malus* sp. (Rosaceae)  
*Melilotus* sp. (Leguminosae)  
*Plantanus* sp. (Plantanaceae)  
*Populus* sp., *P. tremuloides* (Salicaceae)  
*Prunus* sp., *P. avium*, *P. caroliniana* (Rosaceae)  
*Pyrus* sp. (Rosaceae)  
*Quercus* sp., *Q. agrifolia*, *Q. douglasii*, *Q. kelloggii*, *Q. lobata* (Fagaceae)

- Rhododendron* sp. (Ericaceae)  
*Rhus* sp. (Anacardiaceae)  
*Ribes* sp. (Saxifragaceae)  
*Robinia* sp. (Leguminosae)  
*Rosa* sp. (Rosaceae)  
*Rubus* sp. (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Tilia* sp. (Tiliaceae)  
*Ulmus* sp., *U. americana* (Ulmaceae)  
*Vaccinium* sp. (Ericaceae)  
*Viburnum* sp. (Caprifoliaceae)  
*Vitis* sp. (Vitaceae)
- 3653 **semiferana** (Walker, 1863) (McD 7393)  
*flaccidana* (Robinson, 1869)  
 Oak leafroller  
 Range.- I-III (N.Am.: Ont.-FL/CO-CA)  
 Dates.- Mar-May  
 Hosts.- *Hamamelis* sp. (Hamamelidaceae)  
*Malus* sp. (Rosaceae)  
*Pyrus* sp. (Rosaceae)  
*Quercus* sp., *Q. alba*, *Q. virginiana* (Fagaceae)
- 3654 **negundana** (Dyar, 1902) (McD 7394)  
 Range.- I-II (N.Am.: NJ-FL/Man.-CA)  
 Dates.- ?  
 Hosts.- *Acer negundo* (Aceraceae)  
*Lonicera* sp. (Caprifoliaceae)  
*Urtica* sp. (Urticaceae)
- 3656 **georgiana** (Walker, 1863) (McD 7385)  
 Range.- I-IV (e. U.S.: NJ-FL/KY-TX)  
 Dates.- Mar-May  
 Hosts.- *Quercus laevis* (Fagaceae)  
*Vaccinium* sp. (Ericaceae)
- 3658 **purpurana** (Clemens, 1865) (McD 7399)  
*gurgitana* (Robinson, 1869)  
*lintneriana* (Grote, 1873)  
*gurgitana* (Darlington, 1947), missp.  
 Range.- I-II (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- Jun-Jul  
 Hosts.- *Fragaria* sp. (Rosaceae)  
*Geranium* sp. (Geraniaceae)  
*Prunus* sp. (Rosaceae)  
*Rhus* sp. (Anacardiaceae)  
*Ribes* sp. (Saxifragaceae)  
*Rubus* sp. (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Sassafras* sp. (Lauraceae)  
*Solidago* sp. (Compositae)  
*Vaccinium* sp. (Ericaceae)  
*Viola* sp. (Violaceae)
- 3659 **infumatana** (Zeller, 1875) (McD 7379)  
 Range.- I-II (e. U.S.: MA-FL/WI-TX)  
 Dates.- Apr-Jun  
 Hosts.- *Carya* sp. (Juglandaceae)
- 3660 **grisea** (Robinson, 1869) (McD 7438)  
 Range.- I-III (e. U.S.: ME-FL/IL-TX)  
 Dates.- Mar-May  
 Hosts.- *Quercus* sp. (Fagaceae)  
*Rudbeckia* sp. (Compositae)
- 3662 **rileyana** (Grote, 1868) (McD 7310) **13.20**  
*fervidana* (Walker, 1863) [not Clemens, 1860]  
 Southern uglynest caterpillar  
 Range.- I (e. U.S.: PA-FL/IL-TX)  
 Dates.- May  
 Hosts.- *Aesculus* sp., *A. pavia* (Hippocastanaceae)
- Carya* sp. (Juglandaceae)  
*Juglans* sp. (Juglandaceae)  
*Prunus* sp. (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Symphoricarpos* sp. (Caprifoliaceae)  
*Vernonia* sp. (Compositae)
- SYNDEMIS** Hübner, [1825]  
 3672 **afflictana** (Walker, 1863) (McD 7439)  
*fuscolineana* (Clemens, 1865)  
*musculana*.- Walsingham, 1879 (not Hübner, [1796-99])  
**13.19** Range.- I-III (N.Am.: Newfl.-FL/Alb.-CA)  
 Dates.- Apr-May  
 Hosts.- *Abies* sp. (Pinaceae)
- PTYCHOLOMA** Stephens, 1829  
*Smicrotes* Clemens, 1860  
 3688 **peritana** (Clemens, 1860) (McD 7420)  
*inconclusana* (Walker, 1863)  
 Garden tortrix  
 Range.- I-VI (N.Am.: N.S.-FL/B.C.-CA; Mex.-Guatemala?)  
 Dates.- Jan-Jul, Sep-Dec  
 Hosts.- *Citrus sinensis* (Rutaceae)  
*Fragaria* sp. (Rosaceae)
- ADOXOPHYES** Meyrick, 1881  
**13.21-22** 3691 **negundana** (McDunnough, 1923) (McD 7309) **13.40**  
 Range.- I-II (N.Am.: Ont.-FL/Man.-UT)  
 Dates.- Mar, May  
 Hosts.- *Acer negundo* (Aceraceae)
- XENOTEMNA** Powell, 1964  
 3693 **pallorana** (Robinson, 1869) (McD 7409/7410) **13.16**  
*lata* (Robinson, 1869)  
 Range.- I-VIII (e. N.Am. Ont.-FL/IL-TX)  
 Dates.- Mar-May, Sep-Oct  
 Hosts.- *Aster* sp. (Compositae)  
*Comandra umbellata* (Santalaceae)  
*Hypericum perforatum*, *H. sphaerocarpum* (Guttiferae)  
*Medicago sativa* (Leguminosae)  
*Picea glauca* (Pinaceae)  
*Pinus* sp., *P. sylvestris* (Pinaceae)  
*Prunus* sp. (Rosaceae)  
*Silphium* sp. (Compositae)  
*Solidago* sp. (Compositae)  
*Trifolium* sp. (Leguminosae)  
*Ulmus* sp. (Ulmaceae)  
*Verbena* sp. (Verbenaceae)
- NIASOMINI**  
**NIASOMA** Busck, 1940  
 3694 **metallicana** (Walsingham, 1895) (McD 7364) **13.2**  
 Range.- I-III (se. U.S.: GA-FL/LA-TX)  
 Dates.- May-Sep  
 Hosts.- *Eupatorium capillifolium* (Compositae)
- SPARGANOTHIDINI**  
**SPARGANOTHIS** Hübner, [1825]  
*Sparganothis* Hübner, 1826, missp.

- Sparganothis* Stephens, 1834, missp.  
*Oenophthira* Duponchel, 1845  
*Oenectra* Guenée, 1845  
*Aenectra* Doubleday, 1850, emend.  
*Oenectra* Wocke, 1861, missp.  
*Begunna* Walker, 1863  
*Leptoris* Clemens, 1865  
*Cenopsis* Zeller, 1875  
*Sparganythis* Matsumura, 1931, missp.
- 3695 **sulfureana** (Clemens, 1860) (McD 7349)  
*gratana* (Walker, 1863)  
*gallivorana* (Clemens, 1864)  
*virginiana* (Clemens, 1864)  
*fulvroseana* (Clemens, 1864)  
*sulphureana* Barnes & Busck, 1920, missp.
- Range.- I-VI (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Jan-Jul, Sep-Dec  
 Hosts.- *Abies balsamea* (Pinaceae)  
*Aster* sp. (Salicaceae)  
*Comandra umbellata* (Santalaceae)  
*Crataegus* sp. (Rosaceae)  
*Fragaria* sp. (Rosaceae)  
*Helenium incisum* (Compositae)  
*Helianthus* sp. (Compositae)  
*Hydrocotyle* sp. (Umbelliferae)  
*Hypericum* sp., *H. perforatum*, *H. sphaerocarpum* (Guttiferae)  
*Larix laricina* (Pinaceae)  
*Lilium* sp. (Liliaceae)  
*Malus* sp. (Rosaceae)  
*Medicago sativa* (Leguminosae)  
*Mentha* sp. (Labiatae)  
*Oenothera biennis* (Onagraceae)  
*Penstemon* sp. (Scrophulariaceae)  
*Phaseolus limensis* (Leguminosae)  
*Picea* sp., *P. glauca* (Pinaceae)  
*Pinus* sp., *P. banksiana*, *P. resinosa*, *P. strobus* (Pinaceae)  
*Prunus* sp., *P. virginiana* (Rosaceae)  
*Rhododendron* sp. (Ericaceae)  
*Robinia* sp. (Leguminosae)  
*Rumex* sp. (Polygonaceae)  
*Salix* sp. (Salicaceae)  
*Solidago* sp. (Compositae)  
*Trifolium* sp. (Leguminosae)  
*Ulmus americana* (Ulmaceae)  
*Vaccinium* sp., *V. macrocarpon* (Ericaceae)  
*Viburnum odoratissimum* (Caprifoliaceae)  
*Zea mays* (Gramineae)
- 3696 **belfrageana** (Zeller, 1875) (McD 7349.1/7350)  
*euphronopa* Meyrick, 1927
- Range.- I-VI (se. U.S.: NC-FL/AR-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Solanum* sp. (Solanaceae)
- 3696.1 [**n. sp.**]  
 Range.- I-III (se. U.S.: GA-FL/AL)  
 Dates.- Jun  
 Hosts.- Unknown
- 3696.2 [**n. sp.**]  
 Range.- I (se. U.S.: GA?-FL/AL?)  
 Dates.- Jun, Oct-Nov  
 Hosts.- Unknown
- 3698 **bistriata** Kearfott, 1907 (McD 7355)  
 Range.- I-III (se. U.S.: NC-FL/MO-TX)  
 Dates.- Feb-Jun, Aug-Oct
- Hosts.- Unknown  
 3699 **tristriata** Kearfott, 1907 (McD 7356)  
 Range.- I-IV (e. N.Am.: Que.-FL/Man.-MS?)  
 Dates.- Apr-Jul, Sep-Oct, Dec  
 Hosts.- *Larix* sp. (Pinaceae)  
*Picea* sp. (Pinaceae)  
*Pinus banksiana*, *P. resinosa*, *P. strobus* (Pinaceae)
- 3700 **caryae** (Robinson, 1869) (McD 7348) **13.3**  
 Range.- I-IV (e. U.S.: ME-FL/IL-TX)  
 Dates.- Feb-Aug  
 Hosts.- *Carya* sp. (Juglandaceae)
- \*3702 **taracana** Kearfott, 1907 (McD 7352) **13.4**  
*procox* Meyrick, 1912, repl. name  
 Range.- I-IV (Florida)  
 Dates.- Feb-Jun, Sep-Oct, Dec  
 Hosts.- Unknown
- 3703 **demissana** (Walsingham, 1879) (McD 7330)  
 Range.- I-VI (e. U.S.: NC-FL/AR-TX)  
 Dates.- Mar-Jul, Sep  
 Hosts.- Unknown
- 3704 **distincta** (Walsingham, 1884) (McD 7328)  
*solidana* T. N. Freeman, 1941  
 Range.- I-VI (e. U.S.: NC-FL/AR-TX)  
 Dates.- Feb, Apr-Oct, Dec  
 Hosts.- *Solidago sempervirens* (Compositae)
- 3716 **diluticostana** (Walsingham, 1879) (McD 7325)  
*quercana* (Fernald, 1882)  
 Range.- I-III (e. N.Am.: Ont.-FL/IL-TX)  
 Dates.- Apr-May  
 Hosts.- *Betula* sp., *B. papyrifera* (Betulaceae)  
*Fraxinus* sp., *F. americana* (Oleaceae)  
*Prunus* sp. (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Syringa* sp. (Oleaceae)
- 3718 **karacana** (Kearfott, 1907) (McD 7322) **9.33**  
*tempestiva* Meyrick, 1912, repl. name  
 Range.- I-IV (e. U.S.: NY-FL/KY-TX)  
 Dates.- Apr-May, Jul  
 Hosts.- *Myrica* sp. (Myricaceae)  
*Quercus* sp. (Fagaceae)
- 3720 **reticulatana** (Clemens, 1860) (McD 7323/7324)  
*fulgidipennana* (Blanchard, 1840), nom. oblit.  
*subauratana* (Walker, 1863)  
*mesospila* (Zeller, 1875)  
*gracilana* (Walsingham, 1879)  
*ferreana* Busck, 1915
- Range.- I-II (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- May-Jul  
 Hosts.- *Alnus* sp., *A. rugosa* (Betulaceae)  
*Aster* sp. (Compositae)  
*Betula* sp., *B. papyrifera* (Betulaceae)  
*Cypripedium* sp. (Orchidaceae)  
*Fagus* sp. (Fagaceae)  
*Fraxinus* sp., *F. americana* (Oleaceae)  
*Myrica* sp. (Myricaceae)  
*Populus* sp., *P. grandidentata* (Salicaceae)  
*Prunus* sp., *P. virginiana* (Rosaceae)  
*Vaccinium* sp. (Ericaceae)
- 3722 **directana** (Walker, 1863) (McD 7326/7327) **13.5-6**  
*testulana* (Zeller, 1875)  
 Range.- I-III (e. N.Am.: Ont.-FL/Sask.-TX)  
 Dates.- Mar-Jun

- Hosts.— *Amelanchier arborea* (Rosaceae)  
*Betula* sp., *B. papyrifera* (Betulaceae)  
*Leucothoe populifolia* (Ericaceae)  
*Picea glauca* (Pinaceae)  
*Prunus* sp., *P. pensylvanica*, *P. virginiana* (Rosaceae)
- 3725 **pettitana** (Robinson, 1869) (McD 7317)  
 Range.— I-III (e. N.Am.: N.S.-FL/Sask.-TX)  
 Dates.— Apr-Jun  
 Hosts.— *Acer* sp., *A. negundo*, *A. rubrum*, *A. saccharum*, *A. saccharinum* (Aceraceae)  
*Alnus* sp. (Betulaceae)  
*Betula* sp., *B. alleghaniensis*, *B. papyrifera* (Betulaceae)  
*Populus* sp., *P. tremuloides* (Salicaceae)  
*Quercus* sp., *Q. alba*, *Q. laevis*, *Q. macrocarpa*, *Q. rubra* (Fagaceae)  
*Tilia* sp. (Tiliaceae)  
*Ulmus americana* (Ulmaceae)
- 3725.1 **lamberti** Franclemont, 1986 **13.15**  
 Range.— I-II (e. U.S.: NC-FL/AR-TX)  
 Dates.— Mar, May-Aug  
 Hosts.— *Symplocus tinctoria* (Symplocaceae)
- 3727 **niveana** (Walsingham, 1879) (McD 7318/7319)  
*groteana* (Fernald, 1882)  
 Range.— I-III (e. N.Am.: N.S.-FL/Ont.-TX)  
 Dates.— Mar-May  
 Hosts.— Unknown
- 3728 **cana** (Robinson, 1869) (McD 7332)  
 Range.— I-II (e. U.S.: NY-FL/AR-TX)  
 Dates.— Feb-Mar, Jun  
 Hosts.— Unknown
- 3731 **lentiginosana** (Walsingham, 1879) (McD 7376) **13.14**  
 Range.— I-IV (e. U.S.: NC-FL/AR-TX)  
 Dates.— Feb-May, Jul-Sep, Dec  
 Hosts.— Unknown
- PLATYNOTA** Clemens, 1860  
*Cerorhineta* Zeller, 1877  
*Ceratorrhineta* Kirby, 1878, emend.  
*Platynota* Mozzette, 1919, missp.  
*Phylacteritis* Meyrick, 1922
- 3732 **flavedana** Clemens, 1860 (McD 7357/7358/7365)  
*tinctana* (Walker, 1863) **13.11-12**  
*concurana* (Walker, 1863)  
*laterana* (Robinson, 1869)  
*iridana* Barnes & Busck, 1920  
 Range.— I-VIII (e. U.S.: MA-FL/IL-TX)  
 Dates.— Jan-Dec  
 Hosts.— *Citrus sinensis* (Rutaceae)  
*Eupatorium compositifolium* (Compositae)  
*Gossypium* sp. (Malvaceae)  
*?Guaiacum* sp. (Zygophyllaceae)  
*Hedera* sp. (Araliaceae)  
*Helianthus* sp. (Compositae)  
*Hypericum perforatum* (Guttiferae)  
*Rhododendron* sp., *R. indicum* (Ericaceae)  
*Rosa* sp. (Rosaceae)  
*Sesbania vesicaria* (Leguminosae)  
*Vigna* sp. (Leguminosae)
- 3736 **stultana** Walsingham, 1884 (McD 7367)  
*chiquitana* Barnes & Busck, 1920  
 Gray platy  
 Range.— I-II (s. U.S.: FL-TX?; Mex.)  
 Dates.— Jan-Oct
- Hosts.— *Citrofortunella mitis* (Rutaceae)  
*Citrus limon*, *C. sinensis* (Rutaceae)  
*Diospyros digyna* (Ebenaceae)  
*Fortunella* sp. (Rutaceae)  
*Kalanchoe* sp. (Crassulaceae)  
*Litchi chinensis* (Sapindaceae)  
*Psidium guajava* (Myrtaceae)  
*Rhododendron* sp. (Ericaceae)
- 3737 **nigrocervina** Walsingham, 1895 (McD 7362)  
 Range.— I-IV (U.S.: SC?-FL/CO-TX)  
 Dates.— Feb-May, Aug-Sep, Nov  
 Hosts.— Unknown
- \*3739 **calidana** (Zeller, 1877) (McD--) **13.13**  
 Range.— VI-VIII (Florida)  
 Dates.— Mar, May, Aug  
 Hosts.— *Eugenia* sp. (Myrtaceae)
- 3740 **idaeusalis** (Walker, 1859) (McD 7369) **13.9**  
*senta* Clemens, 1860  
*dioptrica* (Meyrick, 1922)  
 Tufted apple budmoth  
 Range.— I-VI (e. N.Am.: N.S.-FL/B.C.-TX)  
 Dates.— Mar-May  
 Hosts.— *Citrofortunella mitis* (Rutaceae)  
*Citrus paradisi*, *C. sinensis* (Rutaceae)  
*Fraxinus* sp., *F. nigra* (Oleaceae)  
*Pinus* sp., *P. banksiana* (Pinaceae)  
*Prunus caroliniana* (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Solanum* sp. (Solanaceae)  
*Solidago* sp. (Compositae)  
*Trifolium* sp. (Leguminosae)  
*Vaccinium* sp. (Ericaceae)  
*Vitis* sp. (Vitaceae)
- 3741 **semiustana** Walsingham, 1884 (McD 7359)  
 Range.— I-VI (e. U.S.: NH-FL/OH-TX?)  
 Dates.— Jan-Jun, Aug-Sep, Nov  
 Hosts.— Unknown
- 3743 **exasperatana** (Zeller, 1875) (McD 7368) **13.10**  
 Range.— I-V (e. U.S.: NY-FL/IL-TX)  
 Dates.— Jan-May, Jul-Dec  
 Hosts.— Unknown
- 3745 **rostrana** (Walker, 1863) (McD 7361) **13.7-8**  
*connexana* (Walker, 1863)  
*repandana* (Walker, 1863)  
*saturatana* (Walker, 1863)  
 Omnivorous platy  
 Range.— I-VIII (se. U.S.: MD-FL/AR-TX; West Indies/Mex.-Brazil)  
 Dates.— Jan-Dec  
 Hosts.— *Acacia farnesiana* (Leguminosae)  
*Amorpha fruticosa* (Leguminosae)  
*Ananas comosus* (Bromeliaceae)  
*Apium graveolens* var. *dulce* (Umbelliferae)  
*?Arachis hypogaea* (Leguminosae)  
*Asparagus virgatus* (Liliaceae)  
*Berberis buxifolia* (Berberidaceae)  
*Brassica actinophylla* (Araliaceae)  
*Callistemon citrinus* (Myrtaceae)  
*Capsicum* sp. (Solanaceae)  
*Carya illinoensis* (Juglandaceae)  
*Chrysanthemum x morifolium* (Compositae)  
*Citrofortunella mitis* (Rutaceae)  
*Citrus aurantifolia*, *C. limon*, *C. paradisi*, *C. sin-*

*ensis* (Rutaceae)  
*Codiaeum* sp. (Euphorbiaceae)  
*Crassula tetragona* (Crassulaceae)  
*Datura tatula* (Solanaceae)  
*Dianthus caryophyllus* (Caryophyllaceae)  
*Dizygotheca elegantissima* (Araliaceae)  
 ?*Drosera* sp. (Droseraceae)  
*Eriobotrya japonica* (Rosaceae)  
 ?*Eucalyptus robusta* (Myrtaceae)  
*Eugenia uniflora* (Myrtaceae)  
*Eupatorium compositifolium* (Compositae)  
*Faucaria tuberculosa* (Aizoaceae)  
*Ficus macrophylla* (Moraceae)  
*Geranium* sp. (Geraniaceae)  
*Gloxinia* sp. (Gesneriaceae)  
*Gnaphalium purpureum* (Compositae)  
*Gossypium* sp. (Malvaceae)  
*Haworthia limifolia* (Liliaceae)  
*Hedera helix* (Araliaceae)  
*Hibiscus* sp., *H. rosa-sinensis* (Malvaceae)  
*Ilex cassine*, *I. cornuta*, *I. opaca* (Aquifoliaceae)  
*Ixora* sp., *I. coccinea* (Rubiaceae)  
*Jasminum* sp. (Oleaceae)  
*Leonotis nepetifolia* (Labiatae)  
*Lilium longiflorum* var. *eximium* (Liliaceae)  
*Litchi chinensis* (Sapindaceae)  
*Mangifera indica* (Anacardiaceae)  
*Medicago sativa* (Leguminosae)  
*Musa* sp. (Musaceae)  
*Myrtus* sp. (Myrtaceae)  
*Peperomia* sp. (Piperaceae)  
*Persea americana* (Lauraceae)  
*Piper* sp. (Piperaceae)  
*Pithecellobium* sp. (Leguminosae)  
*Polygonum punctatum* (Polygonaceae)  
*Punica granatum* (Punicaceae)  
*Pyrus* sp. (Rosaceae)  
*Randia aculeata* (Rubiaceae)  
*Rapanea punctata* (Myrsinaceae)  
*Rivina humilis* (Phytolaccaceae)  
*Rosa* sp. (Rosaceae)  
*Saintpaulia* sp. (Gesneriaceae)  
*Salvia coccinea* (Labiatae)  
*Sesbania vesicaria* (Leguminosae)  
*Sorghum bicolor* (Gramineae)  
*Tibouchina* sp. (Melastomaceae)  
*Vaccinium* sp. (Ericaceae)  
*Vanilla* sp. (Orchidaceae)

**COELOSTATHMA** Clemens, 18603747 **discopunctana** Clemens, 1860 (McD 7307)

Range.- I-III (e. N.Am.: Que.-FL/WI-TX)

Dates.- Jan-Jul

Hosts.- *Trifolium* sp. (Leguminosae)**AMORBIA** Clemens, 1860*Hendecastema* Walsingham, 1879*Ptychamorbia* Walsingham, 18923748 **humerosana** Clemens, 1860 (McD 7314)

Range.- I-IV (N.Am.: N.S.-FL/B.C.-TX)

Dates.- Jan-Apr, Jun, Oct-Dec

Hosts.- *Abies balsamea* (Pinaceae)*Alnus* sp., *A. oregona*, *A. rugosa*, (Betulaceae)*Betula* sp., *B. alleghaniensis*, *B. papyrifera* (Betulaceae)*Larix laricina* (Pinaceae)*Malus* sp. (Rosaceae)*Picea* sp., *P. glauca*, *P. mariana*, *P. rubens* (Pinaceae)*Pinus* sp., *P. banksiana*, *P. contorta* var. *latifolia*, *P. strobus*, *P. sylvestris* (Pinaceae)*Populus* sp., *P. tremuloides* (Salicaceae)*Salix* sp. (Salicaceae)*Thuja occidentalis* (Cupressaceae)*Tsuga* sp. (Pinaceae)*Ulmus americana* (Ulmaceae)**COCHYLINI****AETHES** Billberg, 1820*Phalonia* Hübner, [1825]*Chlidonia* Hübner, [1825]*Dapsilia* Hübner, [1825]*Lozopera* Stephens, 1829*Argyroptera* Duponchel, 1834*Chrosis* Guenée, 1845*Argyridia* Stephens, 18523754 **fernaldana** (Walsingham, 1879) (McD 7460)

Range.- I-IV (s. U.S.: FL-CA)

Dates.- May

Hosts.- Unknown

3759.8 **matheri** Sabourin & Miller, 2002*angulatana*.- (Kimball, 1965), misid. (not Robinson, 1869)

Range.- I-IV (e. U.S.: ME-FL/IL-TX)

Dates.- Mar-May [to Nov?]

Hosts.- Unknown

3808 **angustana** (Clemens, 1860) (McD 7539)*dorsimaculana* (Robinson, 1869), repl. name*angustana* (Powell, 1983), missp.

Range.- I-III (e. N.Am.: N.S.-FL/WI-TX)

Dates.- May

Hosts.- Unknown

3809 **argenteimitana** (Robinson, 1869) (McD 7545)

Range.- I-III (N.Am.: Que.-FL/Man.-TX)

Dates.- Jan-May, Jul, Oct

Hosts.- Unknown

3815 **biscana** (Kearfott, 1907) (McD 7552)*giscana* (Kearfott, 1907)*ixeuta* (Meyrick, 1912), repl. name

Range.- I-II (N.Am.: N.S.-FL/Man.-TX)

Dates.- Feb, Apr, Oct-Nov

Hosts.- *Solidago graminifolia* (Compositae)3816 **bomonana** (Kearfott, 1907) (McD 7543)*cyamitis* (Meyrick, 1912), repl. name

13.1 Range.- I-II (e. U.S.: NY-FL/IL-AR?)

Dates.- Mar

Hosts.- Unknown

[3835 leguminana: see under RUDENIA]

3850 **seriatana** (Zeller, 1875) (McD 7537)

Range.- I-VIII (se. U.S.: GA-FL/AR-TX)

Dates.- Jan-May, Jul, Oct-Dec

Hosts.- Unknown

\*3862 **ziscana** (Kearfott, 1907) (McD 7588)*fabicola* (Meyrick, 1912), repl. name

Range.- II (Florida)

Dates.- Feb

Hosts.- Unknown

**COCHYLIS** Treitschke, 1830

*Conchylis* Sodoffsky, 1837  
*Pontoturania* Obraztsov, 1943  
*Acornutia* Obraztsov, 1944  
*Cochylischroa* Obraztsov & Swatschek, 1958  
*Paracochylis* Razowski, 1960  
*Brevicornutia* Razowski, 1960  
*Neocochylis* Razowski, 1960  
*Longicornutia* Razowski, 1960

3768.1 **caulocatax** Razowski, 1984

Range.- I-VI (se. U.S.: KY-FL/MS-TX; Venezuela)

Dates.- Jul, Sep

Hosts.- *Eustoma grandiflorum* (Gentianaceae)3768.2 **ringsi** Metzler 1999

Range.- I (e. U.S.: WV-[FL]/IA-[TX])

Dates.- [Sep]

Hosts.- Unknown

**THYRAYLIA** Walsingham, 1897*Thyralia* Walsingham, 1914, missp.3769 **bunteana** (Robinson, 1869) (McD 7558)

Range.- II-IV (e. N.Am.: Ont.-FL/WI-TX)

Dates.- Mar, Jun, Sep-Oct

Hosts.- *Lactuca serriola* (Compositae)*Sium suave* (Umbelliferae)**HENRICUS** Busck, 1943*Heinrichia* Busck, 1940, preocc. (Stresemann, 1931)3774 **contrastanus** (Kearfott, 1907) (McD 7599)

Range.- I-II (N.Am.: CT-FL/B.C.-NM)

Dates.- May

Hosts.- Unknown

**LORITA** Busck, 19393781 **scarificata** (Meyrick, 1917) (McD 7581.1)*semistrigata* (Forbes, 1931), misid.*chatka* Busck, 1939*abornana* Busck, 1939

Chrysanthemum flower borer

Range.- I-VIII (FL; CA; HI; West Indies/Mex.-Brazil)

Dates.- Jan-Apr, Sep-Dec

Hosts.- *Bidens* sp. (Compositae)*Capsicum* sp. (Solanaceae)*Chrysanthemum* sp. (Compositae)*Cuscuta californica* (Convolvulaceae)3781.1 **baccharivora** Pogue, 1988

Range.- I-VIII (Gulf Coast: FL-TX; Australia [introd.])

Dates.- Apr-May, Aug-Oct

Hosts.- *Baccharis halimifolia* (Compositae)**CAROLELLA** Busck, 1939*Pharmacis* Hübner, [1823], preocc. (Hübner, 1820)3782 **sartana** (Hübner, [1823]) (McD 7603)

Range.- I-VI (e. U.S.: PA-FL/MO-TX)

Dates.- Jan-Dec

Hosts.- Unknown

3783 **bimaculana** (Robinson, 1869) (McD 7604)

Range.- I-VI (e. U.S.: NC-FL/IL-TX)

Dates.- Jan-Dec

Hosts.- Unknown

3784 **erigeronana** (Riley, 1881) (McD 7605)

Range.- I-V (se. U.S.: NC-FL/MO-TX)

Dates.- Feb-Oct

Hosts.- *Erigeron* sp. (Compositae)**PHTHEOCHROA** Stephens, 1829*Trachysmia* Guenée, 1845*Hysterosia* Stephens, 1852*Idiographis* Lederer, 1859*Propira* Durrant, 1914*Arce* Rozowski, 1919*Hysterothra* Obraztsov, 1943*Durrantia* Razowski, 19603801 **birdana** (Busck, 1907) (McD 7618)

Range.- I (e. U.S.: NY-FL/IL-TX?)

Dates.- Oct

Hosts.- *Helianthus* sp. (Compositae)*Rudbeckia laciniata* (Compositae)**"PHALONIA"**.- auct. (not Hübner, [1825])[for 3807-3862 [in part], see under *Aethes*, p. 332]*Atroposia* Knudson & Bordelon, 1999, nom. nud.3842 **oenotherana** (Riley, 1881) (McD 7567)

3.2

Range.- I-IV (e. N.Am.: Ont.-FL/WI-TX)

Dates.- Mar-Aug, Nov

Hosts.- *Oenothera* sp. (Onagraceae)**PLATPHALONIDIA** Razowski, 19853853.1 **subolivacea** (Walsingham, 1897) (McD 7591.1) T

Range.- IV-VIII (FL; West Indies)

Dates.- Jan-May, Oct-Dec

Hosts.- *Bidens* sp. (Compositae)**RU DENIA** Razowski, 19853835 **leguminana** (Busck, 1907) (McD 7575)

Range.- I-III (e. U.S.: PA-FL/IL-TX)

Dates.- Mar-Apr

Hosts.- *Gleditsia* sp. (Leguminosae)**CHLIDANOTINAE****HILAROGRAPHINI****THAUMATOGRAPHIA** Walsingham, 18973751 **jonesi** (Brower, 1953) (McD 8636.1)

13.42

Range.- I-III (e. U.S.: MA-FL/LA-TX)

Dates.- Sep-Nov

Hosts.- ?*Pinus* sp. (Pinaceae)**AURATONOTA** Razowski, 19873751.1 **dispersa** J. Brown, 1990 T

Range.- VI (FL; Guatemala-Panama)

Dates.- Feb, May (stray)

Hosts.- Unknown

[PAPILIONOIDEA, 3865-4616: see p. 359]



**Subsection BOMBYCINA**  
**URANIOIDEA**  
**EPIPLEMIDAE**

**EPIPLEMA** Herrich-Schäffer, [1855]*Evipleura* Walker, 1861, missp.*Eversmannia* Staudinger, 1871\*7649 **incolorata** (Guenée, [1858]) (McD --)

Range.- ? (FL?)

Dates.- ?

Hosts.- Unknown

7649.1 [n. sp.] T

Range.- VIII (FL; West Indies?)

Dates.- June

Hosts.- Unknown

**CALLIZZIA** Packard, 18767650 **amorata** Packard, 1876 (McD 5223)

Range.- I-IV (e. N.Am.: N.S.-FL/Man.-TX)

Dates.- Feb-Mar, May

Hosts.- *Lonicera dioica* (Caprifoliaceae)**ANTIPECTA** Warren, 1900

7652.1 [n. sp.] T

Range.- VI-VIII (FL; ?West Indies)

Dates.- Jul

Hosts.- Unknown

**CALLEDAPTERYX** Grote, 18687653 **dryopterata** Grote, 1868 (McD 5225)*erosiata* Packard, 1876

Range.- I-VIII (e. N.Am.: Que.-FL/Man.-TX)

Dates.- Apr, Jul

Hosts.- *Viburnum nudum*, *V. prunifolium* (Caprifoliaceae)**PHILAGRAULA** Hulst, 1896\*7654 **slossoniae** Hulst, 1896 (McD 5222) T

Range.- IV-VIII (Florida)

Dates.- Jan-Aug, Dec

Hosts.- Unknown

**SCHIDAX** Hübner, [1818]\*7656 **coronaria** Strecker, 1899 (McD 5226) T

Range.- VI ("Florida")

Dates.- May, Jul-Aug

Hosts.- Unknown

**DIRADES** Walker, 18667656.1 **infans** Warren, 1908 (McD 5226.1) T

Range.- IV-VIII (FL; West Indies)

Dates.- Jan-Feb, May-Jun, Aug-Oct

Hosts.- Unknown

[DREPANOIDEA, 6240-6255: see p. 388]

[BOMBYCOIDEA, 7659-7767, see p. 390]

**GEOMETROIDEA**  
**GEOMETRIDAE**  
**OENOCHROMINAE**

**ALSOPHILINI****ALSOPHILA** Hübner, [1825]6258 **pometaria** (Harris, 1841) (McD 4026)**34.11***restituens* (Walker, 1860)*autumnata* (Packard, 1876)

Fall cankerworm

Range.- I (N.Am.: Newfd.-FL/B.C.-CA)

Dates.- Jan-Feb

Hosts.- *Acer* sp., *A. negundo*, *A. saccharinum* (Aceraceae)*Betula* sp. (Betulaceae)*Carya* sp. (Juglandaceae)*Castanea dentata* (Fagaceae)*Celtis occidentalis* (Ulmaceae)*Crataegus* sp., *C. oxyacantha* (Rosaceae)*Cydonia oblonga* (Rosaceae)*Fagus* sp. (Fagaceae)*Fraxinus* sp. (Oleaceae)*Juglans cinerea*, *J. nigra* (Juglandaceae)*Malus pumila* (Rosaceae)*Ostrya virginiana* (Betulaceae)*Prunus americana*, *P. avium*, *P. cerasus*, *P. dom-**estica*, *P. persica*, *P. serotina* (Rosaceae)*Pyrus communis* (Rosaceae)*Quercus* sp. (Fagaceae)*Salix* sp., *S. alba* var. *vitellina* (Salicaceae)*Solidago* sp. (Compositae)*Tilia americana* (Tiliaceae)*Ulmus* sp., *U. americana* (Ulmaceae)**OENOCHROMINI****14.7** **AMETRIS** Hübner, [1822]*Mecoceras* Guenée, [1858]6259 **nitocris** (Cramer, 1780) (McD 4027) T**34.17***nitocritaria* Hübner, [1822]*bitactaria* (Walker, 1861)*peninsularia* (Grote, 1883)*schausaria* (H. Edwards, 1884)

Seagrape spanworm

Range.- III-VIII (FL; West Indies; Mex.-S.Am.)

Dates.- Jan-Sep, Nov

Hosts.- *Coccoloba diversifolia* (Polygonaceae)**14.8** **ALMODES** Guenée, [1858]*Polysemia* Guenée, [1858]6260 **terraria** Guenée, [1858] (McD 4028) T**15.1***stellidaria* (Guenée, [1858])*squamigera* (R. Felder & Rogenhofer, 1875)*rivularia* Grote, 1883*assecoma* (Druce, 1892)*subaustralis* (Hulst, 1898)*pedicellata* (Hulst, 1898)

Range.- VI-VIII (FL; West Indies; Mex.-S.Am.)

Dates.- May, Jul-Sep

Hosts.- Unknown

**ENNOMINAE****ABRAXINI**

**HELIOMATA** Grote & Robinson, 1866  
 6263 **infulata** (Grote, [1863]) (McD 4659)  
 Range.- II-III (Atlantic Coast: NY-FL)  
 Dates.- Apr (stray?)  
 Hosts.- Unknown

**SEMIOTHISINI**

[NOTE: the Zoological Code (ICZN, 1999) does not require higher category name changes merely because older names have been found that have not been in use for decades. Thus, this tribal name does not need to be changed to Macariini, as some have done recently.]

**EUMACARIA** Packard, 1873  
 6272 **latiferrugata** (Walker, [1863]) (McD 4774)  
 a) **brunneata** Packard, 1873  
 Range.- I-III (e. N.Am.: Que.-FL/SD-TX) [so. subsp.]  
 Dates.- Feb-Jun, Aug  
 Hosts.- *Malus pumila* (Rosaceae)  
*Prunus* sp., *P. americana*, *P. domestica*, *P. pennsylvanica*, *P. serotina* (Rosaceae)

**ITAME** Hübner, [1823]  
*Itama* Hübner, [1826], emend.  
*Speranza* Curtis, 1828  
*Grammatophora* Stephens, 1829  
*Halia* Duponchel, 1829, preocc. (Risso, 1826)  
*Thammonoma* Lederer, 1853  
*Eufitchia* Packard, 1876  
*Catastictis* Gumpfenberg, 1887  
*Physostegania* Warren, 1894  
*Dysmigia* Warren, 1895  
*Proutictis* Bryk, 1938

6273 **pustularia** (Guenée, [1858]) (McD 4663)  
 Lesser maple spanworm  
 Range.- I-II (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Apr-May  
 Hosts.- *Acer* sp., *A. platanoides* (Aceraceae)  
*Prunus serotina* (Rosaceae)

6285 **inextricata** (Walker, 1861) (McD 4656)  
*floridensis* (Hulst, 1898)

Range.- I-IV (Gulf Coast: [GA]/FL-TX)  
 Dates.- Apr-May  
 Hosts.- Unknown

6299 **coortaria** (Hulst, 1887) (McD 4756)  
 b) **enigmata** Barnes & McDunnough, 1917  
 Range.- I (e. N.Am.: Ont.-FL/Man.-TX) [s. subsp.]  
 Dates.- Apr  
 Hosts.- *Crataegus oxyacantha* (Rosaceae)  
*Malus pumila* (Rosaceae)

6314 **varadaria** (Walker, 1860) (McD 4672/4781)  
*inaptata* (Walker, 1861)  
*abbreviata* (Walker, [1863])  
*donataria* (Walker, [1863])  
*florida* (Hulst, 1896)

Range.- I-VI (se. U.S.: SC FL/MS-TX)  
 Dates.- Jan-Sep, Dec  
 Hosts.- *Baccharis hamilifolia*, *B. neglecta*, *B. pilularis* (Compositae)

\*6318 **particolor** (Hulst, 1898) (McD 4790)  
 Range.- IV (Florida)

Dates.- ?  
 Hosts.- Unknown

**MELLILA** Grote, 1873

16.5 6322 **xanthometata** (Walker, 1862) (McD 4657) 14.5-6  
*Gonilythria* Gumpfenberg, 1887  
*chamaechrysaria* Grote, 1873  
*f. snoviaria* (Packard, 1876)  
*rilevaria* (Packard, 1876)

Orange wing  
 Range.- I-IV (e. U.S.: NJ-FL/NB-TX)  
 Dates.- Feb, Apr-May, Jul  
 Hosts.- *Gleditsia* sp. *G. triacanthos* (Leguminosae)  
*Robinia* sp. (Leguminosae)

**SEMIOTHISA** Hübner, 1818

6325.1 **abydata** (Guenée, [1858]) (McD --) T  
*diffusa* (Guenée, [1858])  
*lataria* (Walker, 1861)  
*acidaliata* (Walker, 1861)  
*santaremaria* (Walker, 1861)  
*confusaria* (Walker, 1861)  
*adrasata* (Snellen, 1874)  
*ochrata* (Warren, 1900)  
*vagabunda* (Inoue, 1986)  
 Range.- I-VI (e. U.S.: NY (stray)-FL/IL (stray)-TX?; West Indies; Mex.-Argentina; Hawaii, Fiji, Guam, Tonga [introd.]; East Asia [introd.])

Dates.- ?  
 Hosts.- *Acacia farnesiana*, *A. koa* (Leguminosae)  
*Cassia* sp. (Leguminosae)  
*Leucaena latisiliqua* (Leguminosae)  
*Mimosa invisa* (Leguminosae)  
*Nephelium litchi* [flowers] (Sapindaceae)  
*Parkinsonia aculeata* (Leguminosae)  
*Sesbania* sp. (Leguminosae)

**MACARIA** Curtis, 1826

14.4 **MACARIA** Curtis, 1826  
*Diastictis* Hübner, [1823], preocc. (not Hübner, 1818 [Pyralidae])  
*Parasemia* Hübner, 1823, preocc. (not Hübner, 1920 [Arctiidae])

15.5-6 **MACARIA** Curtis, 1826  
*Speranza* Curtis, 1828  
*Halia* Duponchel, 1829, preocc. (not Risso, 1826 [Mollusca])  
*Philobia* Duponchel, 1829  
*Grammatophora* Stephens, 1829, repl. name  
*Eutropa* Hübner, [1831]  
*Eupisteria* Boisduval, 1840  
*Thammonoma* Lederer, 1853, repl. name  
*Fidonia* Herrich-Schäffer, 1855, preocc. (not Treitschke, 1825)

16.16 **MACARIA** Curtis, 1826  
*Psamatodes* Guenée, [1858]  
*Azata* Walker, 1860  
*Eufitchia* Packard, 1876  
*Psamatodes* Packard, 1876, missp.  
*Catastictis* Gumpfenberg, 1887, repl. name  
*Elpiste* Gumpfenberg, 1887  
*Physostegania* Warren, 1894  
*Dysmigia* Warren, 1895  
*Sympherta* Hulst, 1896, preocc. (not Förster, 1868 [Hymenoptera])  
*Sciagraphia* Hulst, 1896  
*Epelis* Hulst, 1896  
*Xenoecista* Warren, 1897

- Gladela* Grossbeck, 1909, repl. name  
*Proutictis* Bryk, 1938, repl. name  
*Prophasiane* McDunnough, 1939  
*Pseudoisturgia* Povolný & Moucha, 1957
- [NOTE: most North American *Semiothisa* species belong in *Macaria* Curtis, a primarily Old World genus, where many authors placed our species already in the 1800s. Some now go to *Digrammia* and *Trigrammia*. The species left in *Semiothisa* are Neotropical of which one species (*S. abydata*) is added herein, being reported from the southern USA and the Neotropics (also introd. to Pacific Islands and East Asia) (see Holloway, 1993. *Moths of Borneo. Pt. 11. Geometridae, Ennominae*).]
- 6326 **aemulataria** Walker, 1861 (McD 4665) **15.2**  
*sectomaculata* Morrison, 1874  
Range.- I-VI (e. N.Am.: N.S.-FL/Sask.-TX)  
Dates.- Mar, May-Aug  
Hosts.- *Acer* sp., *A. negundo*, *A. rubrum*, *A. saccharinum* (Aceraceae)  
*Alnus incana* (Betulaceae)  
*Betula papyrifera* (Betulaceae)  
*Lactuca graminifolia* (Compositae)  
*Populus tremuloides* (Salicaceae)  
*Prunus virginiana* (Rosaceae)  
*Robinia* sp., *R. pseudoacacia* (Leguminosae)  
*Salix* sp. (Salicaceae)
- 6331 **promiscuata** (Ferguson, 1974)  
Range.- I-II (e. U.S.: MD-FL/MO-TX)  
Dates.- Apr-May, Jul, Nov  
Hosts.- Unknown
- 6332 **punctolineata** Packard, 1873 (McD 4679) **16.7**  
*simulata* (Hulst, 1887)  
Range.- I-VI (s. U.S.: FL-AZ)  
Dates.- Jan-Aug, Oct-Dec  
Hosts.- Unknown
- 6334 **infimata** Guenée, [1858] (McD 4723.1) T  
Range.- III-VIII (FL; West Indies-S.Am.)  
Dates.- Feb, Apr-May, Aug  
Hosts.- Unknown
- 6335 **aequiferaria** Walker, 1861 (McD 4669)  
*postrema* Walker, 1861  
*morosaria* Walker, 1861  
*subpunctaria* Walker, 1861  
*festa* (Hulst, 1896)  
Range.- I-VIII (e. U.S.: NH-FL/WI-TX; Mex.-C.Am.)  
Dates.- Jan-Aug, Oct-Dec  
Hosts.- Unknown
- 6336 **distribuaria** Hübner, [1831] (McD 4674) **16.9**  
*oppositaria* Guenée, [1858], unavail.  
*antaurata* (Walker, [1863])  
*proxanthata* Walker, [1863]  
Range.- I-VIII (se. U.S.: NC-FL/AR-TX)  
Dates.- Jan-Jun, Aug-Dec  
Hosts.- *Pinus virginiana* (Pinaceae)
- \*6337 **sanfordi** (Rindge, 1958) (McD 4674.1) **16.8**  
Range.- III-IV (Florida)  
Dates.- Jan-Jun, Aug-Dec  
Hosts.- *Pinus clausa* (Pinaceae)
- 6339 **transitaria** Walker, 1861 (McD 4674, part)  
Range.- I (e. N.Am.: N.S.-FL/WI-TX)  
Dates.- Apr  
Hosts.- *Pinus* sp., *P. divaricata* (Pinaceae)
- 6341 **bicolorata** (Fabricius, 1798) (McD 4673) **15.3-4**  
*praeatomata* (Haworth, 1809)  
*consepia* Walker, 1861  
*consimilata* Zeller, 1872  
*grassata* Hulst, 1881
- Range.- I-IV (Atlantic/Gulf Coasts: NY-FL-TX)  
Dates.- Jan-Jun, Aug-Nov  
Hosts.- *Pinus banksiana*, *P. contorta*, *P. divaricata*, *P. resinosa*, *P. strobus*, *P. sylvestris*, *P. virginiana* (Pinaceae)  
*Vaccinium* sp., *V. uliginosum* (Ericaceae)  
*Tsuga* sp. (Pinaceae)
- 6352 **granitata** Guenée, [1858] (McD 4680/4685)  
*succosata* Zeller, 1872  
Granite moth  
Range.- I-II? (e. U.S.: ME-SC [FL?]/OH-KY)  
Dates.- (stray)  
Hosts.- *Abies amabilis*, *A. balsamea*, *A. lasiocarpa* (Pinaceae)  
*Larix laricina*, *L. occidentalis* (Pinaceae)  
*Picea engelmanni*, *P. glauca*, *P. mariana*, *P. sitchensis* (Pinaceae)  
*Pseudotsuga menziesii* (Pinaceae)  
*Ribes* sp. (Saxifragaceae)  
*Tsuga canadensis* (Pinaceae)
- 6353 **multilineata** Packard, 1873 (McD 4677)  
*patriciata* (Grote, 1883)  
Range.- I-III (e. U.S.: MA-FL/MO-TX)  
Dates.- Mar, Jul, Nov  
Hosts.- Unknown  
[6357-6358: transferred to *Digrammia*; see below]  
[6360 quadrinotata Herrich-Schäffer, [1855]: transferred to *Trigrammia*; see below]
- 6362 **continuata** (Walker, 1862) (McD 4710/4712) **16.11-12**  
*strigularia* (Walker, [1863])  
*orillata* (Walker, [1863])  
Range.- I-IV (e. N.Am.: ME-FL/Man.-TX)  
Dates.- Jan-Jun, Aug-Oct, Dec  
Hosts.- ?*Celtis* sp. (Ulmaceae)  
*Cupressus forbesii* (Cupressaceae)  
? *Eupatorium perfoliatum* (Compositae)  
*Juniperus* sp., *J. ashei*, *J. chinensis*, *J. virginiana* (Cupressaceae)  
*Mikania scandens* (Compositae)  
? *Thuja occidentalis* (Cupressaceae)
- 6386 **ocellinata** (Guenée, [1858]) (McD 4723)  
*duplicata* (Packard, 1873)  
Range.- I-II (e. N.Am.: Que.-FL/NB-TX)  
Dates.- May, Aug  
Hosts.- *Gleditsia triacanthos* (Leguminosae)  
*Robinia* sp., *R. pseudoacacia* (Leguminosae)
- 6405 **gnophosaria** (Guenée, [1858]) (McD 6738) **16.10**  
*infectaria* (Walker, 1862)  
*reductaria* (Walker, [1863])  
*caesiaria* Hulst, 1888  
*gnophosarium* (Hulst, [1903]), emend.  
*da* (Dyar, 1916)
- Range.- I-VI (e. N.Am.: Ont.-FL/WI-TX; Mex.)  
Dates.- Feb-Jul, Sep  
Hosts.- *Salix* sp. (Salicaceae)
- DIGRAMMIA** Gumpfenberg, 1887  
*Asmate* Gumpfenberg, 1887  
*Spinuncina* Wehrli, 1937
- 6357 **eremiata** (Guenée, [1858]) (McD 4695)  
*resectata* (Walker, 1861)  
*gradata* (Walker, 1861)  
*retentata* (Walker, 1861)  
*subcinctaria* (Walker, [1863])  
Range.- I (e. U.S.: NH-FL/SD-TX)

Dates.- May  
 Hosts.- *Tephrosia florida* var. *gracillima* (Leguminosae)  
 6358 **ordinata** (Walker, 1862) (McD 4696/4697)  
*maculifascia* (Hulst, 1896)  
*aucillaria* (Strecker, 1899)  
 Range.- III-IV (e. U.S.: NY-FL/SD-[TX?])  
 Dates.- May-Jun  
 Hosts.- Unknown

**TRIGRAMMIA** Herrich-Schäffer, [1855]  
 6360 **quadrinotaria** Herrich-Schäffer, [1855] (McD 4689)  
*quadriguttaria* (Walker, 1861) **16.15**  
*determinataria* (Walker, [1863])  
*septemfluaria* (Grote, 1881)  
*septemlinearia* (Grote, 1882), missp.  
 Range.- I (e. U.S.: VA-FL/KS-TX)  
 Dates.- Feb-Mar, Jul  
 Hosts.- Unknown

**ENCONISTA** Lederer, 1853  
*Econista* Covell, 1984, missp.  
 6419 **dislocaria** (Packard, 1876) (McD 4703)  
 Range.- I-IV (e. N.Am.: Ont.-FL/SD-TX)  
 Dates.- Jan-Feb  
 Hosts.- Unknown

### BOARMIINI

**HYPOMECEIS** Hübner, [1821]  
*Cymatophora* Hübner, [1806], suppr. (ICZN  
 Op. 97) (not Hübner, [1812])  
*Boarmia* Treitschke, 1825  
*Dryocoetis* Hübner, [1825]  
*Dryocoetis* Hübner, [1826], missp.  
*Baormia* Duponchel, 1829, missp.  
*Narapa* Moore, [1887]  
*Pseudangerona* Moore, [1887]  
*Serraca* Moore, [1887]  
*Alcippe* Gumpfenberg, 1887, preocc. (not  
 Blyth, 1884 [Aves])  
*Astacuda* Moore, 1888  
*Maidana* Swinhoe, 1900  
*Pseudoboarmia* McDunnough, 1920  
*Eurobatodes* Wehrli, 1943  
 6437 **luridula** (Hulst, 1896) (McD 4881.1) **15.14**  
 Range.- II-IV (se. U.S.: GA-FL/AL?)  
 Dates.- Feb, Apr, Aug-Sep  
 Hosts.- Unknown  
 6438 **buchholzaria** (Lemmer, 1937) (McD 4881) **20.5**  
 Range.- I-IV (Gulf Coast: [GA]/FL-TX)  
 Dates.- Jan-Mar, May, Jul  
 Hosts.- *Comptonia peregrina* var. *asplenifolia* (Myrica-  
 ceae)  
*Myrica* sp. (Myricaceae)  
 6439 **umbrosaria** (Hübner, [1813]) (McD 4880) **15.13**  
 UMBER moth  
 Range.- I-IV (e. U.S.: ME-FL/MO-TX)  
 Dates.- Jan-Aug, Nov  
 Hosts.- ?*Betula* sp. (Betulaceae)  
 ?*Quercus* sp. (Fagaceae)  
 6440 **gnopharia** (Guenée, [1858]) (McD 4880, part)  
 Range.- I-II (e. U.S.: NJ-FL/MO-TX)  
 Dates.- Mar-Sep  
 Hosts.- *Quercus* sp. (Fagaceae)  
 6440.1 **longipictinaria** A. Blanchard & Knudson, 1984  
 Range.- I-II (se. U.S.: FL-TX)

Dates.- Apr  
 Hosts.- Unknown

**PIMAPHERA** Cassino & Swett, 1927  
 6442 **sparsaria** (Walker, [1863]) (McD 4950) **16.17**  
 Range.- I-VIII (Gulf Coast: [GA]/FL-TX)  
 Dates.- Jan-Oct, Dec  
 Hosts.- Unknown

**GLENOIDES** McDunnough, 1920  
 6443 **texanaria** (Hulst, 1888) (McD 4948)  
 Texas gray  
 Range.- I-IV (e. U.S.: VA-FL/MO-TX)  
 Dates.- Jan-Apr, Jun-Dec  
 Hosts.- Unknown

**GLENA** Hulst, 1896  
*Hetererannis* Warren, 1904  
*Monroa* Warren, 1904  
 6449 **cribrataria** (Guenée, [1858]) (McD 4883/4891) **16.21**  
*fuliginaria* (Hulst, 1888)  
 Dotted gray  
 Range.- I-VIII? (e. N.Am.: Ont.-FL/WI-TX)  
 Dates.- Jan, Mar  
 Hosts.- *Picea* sp. (Pinaceae)  
*Populus* sp., *P. nigra* var. *italica*, *P. tremuloides*  
 (Salicaceae)  
*Salix* sp. (Salicaceae)  
 6450 **cognataria** (Hübner, [1824-31]) (McD 4788/4882)  
*acidalaria* (Walker, [1863])  
*infixaria* (Walker, [1863])  
*crassata* (Hulst, 1896)  
*muricolor* (Hulst, 1896)  
*umatillaria* (Strecker, 1899)  
*insaria* (Dyar, 1909)  
 Blueberry gray  
 Range.- I-IV (Atlantic/Gulf Coasts: N.S.-FL-LA)  
 Dates.- Jan-Dec  
 Hosts.- *Rosa* sp. (Rosaceae)  
*Spiraea* sp. (Rosaceae)  
*Tamarix chinensis* (Tamaricaceae)  
*Vaccinium angustifolium*, *V. myrtilloides* (Erica-  
 ceae)  
 6452 **plumosaria** (Packard, 1874) (McD 4919) **20.14**  
 Range.- II-IV (e. U.S.: NJ-FL/KY-AL)  
 Dates.- Mar  
 Hosts.- Unknown

**EXELIS** Guenée, [1858]  
*Patridava* Walker, [1863]  
 6478 **pyrolaria** Guenée, [1858] (McD 4818)  
*tensaria* (Walker, [1863])  
*approximaria* (Packard, 1876)  
 Range.- I-III (e. U.S.: NY-FL/IL-LA)  
 Dates.- Feb-May, Jul, Sep  
 Hosts.- *Diospyros* sp. (Ebenaceae)  
*Pyrola* sp. (Pyrolaceae)

**TORNOS** Morrison, 1875  
 6485 **cinctarius** Hulst, 1887 (McD 4816) **15.9-10**  
 Range.- I-VI (Atlantic/Gulf Coasts: NC-FL-TX)  
 Dates.- Jan-May, Aug, Dec  
 Hosts.- Unknown  
 6486 **scolopacinaris** (Guenée, [1858]) (McD 4812) **16.19**

- pervelata* (Walker, [1863])  
*robiginosus* Morrison, 1875  
*piazzata* Cassino & Swett, 1923  
*spodius* Rindge, 1954, new stat.  
*forsythae* Rindge, 1954, new stat.
- Range.- I-VI (e. U.S.: CT-FL/WI-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Aster* sp., *A. multiflorus* (Compositae)  
*Coreopsis auriculata*, *C. grandiflora* (Compositae)
- 6487 **abjectarius** Hulst, 1887 (McD 4812.1) **15.7-8**  
*kerrvillaria* Cassino & Swett, 1922  
*ravus* Rindge, 1954, new stat.  
*kimballi* Rindge, 1954, new stat.
- Range.- I-VI (se. U.S.: NC-FL/KS-TX)  
 Dates.- Jan-Dec  
 Hosts.- Unknown

**AETHALURA** McDunnough, 1920

- Aethaloptera* Hulst, 1896, preocc. (not Brauer, 1875)
- 6570 **intertexta** (Walker, 1860) (McD 4945) **15.15**  
*intextata*.- auct. (not Walker, 1860), missp.  
*anticaria* (Walker, 1860)  
*submuraria* (Walker, 1860)
- Range.- I-VI (e. N.Am.: Newfd.-FL/Man.-MO)  
 Dates.- Feb, Apr, Oct  
 Hosts.- *Alnus* sp. (Betulaceae)  
*Aquilegia* sp. (Ranunculaceae)  
*Betula* sp. (Betulaceae)  
*Cytisus* sp. (Leguminosae)  
*Genista* sp. (Leguminosae)  
*Ligustrum* sp. (Oleaceae)  
*Lonicera* sp. (Caprifoliaceae)  
*Populus* sp. (Salicaceae)  
*Prunus domestica* (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Salix* sp. (Salicaceae)  
*Sambucus* sp. (Caprifoliaceae)  
*?Spartina* sp. (Gramineae)  
*Ulmus* sp. (Ulmaceae)

**ANACAMPTODES** McDunnough, 1920

- \*6571 **cypressaria** (Grossbeck, 1917) (McD 4920) **20.13**
- Range.- II-VI (Florida)  
 Dates.- Mar-Jun, Aug  
 Hosts.- Unknown
- 6580 **pergracilis** (Hulst, 1900) (McD 4921) **20.12**  
 Cypress looper
- Range.- I-VIII (Gulf Coast: [GA]/FL-TX)  
 Dates.- Jan-Jun, Nov-Dec  
 Hosts.- *Taxodium distichum*
- 6582 **vellivolata** (Hulst, 1881) (McD 4918) **20.16**
- Range.- I-VI (e. N.Am.: N.B.-FL/OK-TX)  
 Dates.- Mar-Aug, Dec  
 Hosts.- *Abies* sp. (Pinaceae)  
*Larix* sp. (Pinaceae)  
*Picea* sp. (Pinaceae)  
*Pinus* sp. (Pinaceae)
- 6583 **ephyraria** (Walker, 1860) (McD 4916) **20.11**  
*expressaria* (Walker, [1863])  
*takenaria* (Pearsall, 1909)
- Range.- I-IV (e. N.Am.: Que.-FL/Man.-TX)  
 Dates.- Jan, Apr-May  
 Hosts.- *Abies balsamea* (Pinaceae)  
*Acer* sp. (Aceraceae)

- Betula* sp. (Betulaceae)  
*Fraxinus* sp. (Oleaceae)  
*Prunus* sp. (Rosaceae)  
*Ribes* sp. (Saxifragaceae)  
*Salix* sp. (Salicaceae)  
*Tsuga canadensis* (Pinaceae)  
*Ulmus* sp. (Ulmaceae)

- 6584 **humaria** (Guenée, [1858]) (McD 4917) **20.15**  
*intraria* (Guenée, [1858])  
*intractaria* (Walker, 1860)  
*illaudata* (Walker, 1860)

- Range.- I-IV (e. N.Am.: Que.-FL/MI-TX)  
 Dates.- Feb-Mar, May-Aug, Dec  
 Hosts.- *Asparagus officinalis* (Liliaceae)  
*Betula papyrifera* (Betulaceae)  
*Carya* sp., *C. illinoensis* (Juglandaceae)  
*Dalea* sp., *D. corymbosus* (Leguminosae)  
*Diosopyros* sp. (Ebenaceae)  
*Glycine max* (Leguminosae)  
*Humulus lupulus* (Cannabidaceae)  
*Medicago sativa* (Leguminosae)  
*Trifolium* sp. (Leguminosae)  
*Urtica dioica* (Urticaceae)

- 6586 **defectaria** (Guenée, [1858]) (McD 4915) **20.10**  
*albigenaria* (Walker, 1860)

Willow looper

- Range.- I-VIII (e. U.S.: NJ-FL/KS-TX)  
 Dates.- Feb-Dec  
 Hosts.- *Populus* sp. (Salicaceae)  
*Prunus* sp. (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Salix* sp. (Salicaceae)  
*Ulmus alata* (Betulaceae)

**ANAVITRINELLA** McDunnough, 1922

- Vitrinella* McDunnough, 1920, preocc. (Adams, 1850)  
*Anavitrinella* Ferguson 1983, missp.
- 6590 **pampinaria** (Guenée, [1858]) (McD 4908) **16.22-23**  
*frugaliaria* (Guenée, [1858])  
*collecta* (Walker, 1860)  
*psilogrammaria* (Zeller, 1872)  
*fraudentaria* (Zeller, 1872)  
*nubiferaria* (Swett, 1913)  
*stygia* (Franclemont, 1938)

Common gray

- Range.- I-VI (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- Feb-Dec  
 Hosts.- *Acer* sp. (Aceraceae)  
*Amaranthus hybridus* (Amaranthaceae)  
*Asparagus officinalis* (Liliaceae)  
*Carya* sp., *C. illinoensis* (Juglandaceae)  
*Citrus* sp., *C. sinensis* (Rutaceae)  
*Fragaria chiloensis* (Rosaceae)  
*Fraxinus* sp. (Oleaceae)  
*Geranium* sp. (Geraniaceae)  
*Gleditsia triacanthos* (Leguminosae)  
*Gossypium herbaceum* (Malvaceae)  
*Malus pumila* (Rosaceae)  
*Pelargonium* sp. (Geraniaceae)  
*Populus* sp. (Salicaceae)  
*Psidium guajava* (Myrtaceae)  
*Pyrus* sp., *P. communis* (Rosaceae)  
*Rubus allegheniensis* (Rosaceae)

- Rumex crispus* (Polygonaceae)  
*Salix* sp. (Salicaceae)  
*Trifolium* sp. (Leguminosae)  
*Ulmus* sp. (Ulmaceae)  
*Vaccinium macrocarpon* (Ericaceae)
- CLEORA** Curtis, 1823  
*Chogata* Moore, [1887]
- 6594 **sublunaria** (Guenée, [1858]) (McD 4876) **16.20**  
*transfixaria* (Walker, 1860)  
*atrolinaria* (Hulst, 1888)  
*areataria* Broadwell, 1907  
Double-lined gray  
Range.- I (e. N.Am.: Ont.-FL/IL-TX)  
Dates.- Feb-Apr  
Hosts.- *Comptonia peregrina* var. *asplenifolia* (Myricaceae)
- 6595 **projecta** (Walker, 1860) (McD 4877) **15.11-12**  
*manitoba* (Grossbeck, 1911)  
Range.- I (e. N.Am.: Que-FL/Man.-TX)  
Dates.- Mar  
Hosts.- *Myrica gale* (Myricaceae)
- ECTROPIS** Hübner, [1825]  
*Boarmia* Stephens, 1829, preocc. (not Treitschke, 1825)  
*Tephrosia* Boisduval, 1840  
*Coenobita* Gistl, 1848, preocc. (not Latreille, 1829)
- 6597 **crepuscularia** ([Denis & Schiffermüller], 1775) (McD 4946)  
*virginaria* (Cramer, 1780)  
*occiduarina* (Guenée, [1858])  
*signaria* (Walker, 1860)  
*spatiosaria* (Walker, 1860)  
*intrataria* (Walker, 1860)  
*cineraria* (Walker, 1860)  
f. *abraxaria* (Walker, 1860)  
*divisaria* (Walker, 1860)  
f. *fumataria* (Minot, 1869)  
*fernaldaria* (Hulst, 1888)  
Small engrailed geometer  
Range.- I-III (N.Am.: N.S.-FL/B.C.-TX; Europe)  
Dates.- Apr, Jun-Jul  
Hosts.- *Acer* sp. (Aceraceae)  
*Alnus* sp. (Betulaceae)  
*Aquilegia* sp. (Ranunculaceae)  
*Betula* sp. (Betulaceae)  
*Cytisus* sp. (Leguminosae)  
*Genista* sp. (Leguminosae)  
*Juglans* sp. (Juglandaceae)  
*Ligustrum* sp. (Oleaceae)  
*Lonicera* sp. (Caprifoliaceae)  
*Malus pumila* (Rosaceae)  
*Populus* sp. (Salicaceae)  
*Prunus domestica* (Rosaceae)  
*Pyrus communis* (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Rosa* sp. (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Sambucus* sp. (Caprifoliaceae)  
*Trifolium* sp. (Leguminosae)  
*Tsuga* sp., *T. canadensis* (Pinaceae)
- 6598 **porcelaria** (Guenée, [1858]) (McD 4875)  
*filaria* (Walker, 1860)  
*maestosa* (Hulst, 1898)  
Porcelain gray  
Range.- I-IV (N.Am.: N.S.-FL/B.C.-TX)  
Dates.- Jan-May, Aug  
Hosts.- *Abies balsamea*, *A. lasiocarpa* (Pinaceae)  
*Betula allegheniensis* (Betulaceae)  
*Larix* sp., *L. laricina*, *L. occidentalis* (Pinaceae)  
*Picea engelmanni*, *P. glauca*, *P. mariana*, *P. rubens* (Pinaceae)  
*Pinus banksiana*, *P. contorta* var. *latifolia*, *P. resinosa*, *P. strobus*, *P. sylvestris* (Pinaceae)  
*Populus* sp. (Salicaceae)  
*Pseudotsuga menziesii* (Pinaceae)  
*Quercus macrocarpa* (Fagaceae)  
*Thuja occidentalis*, *T. plicata* (Cupressaceae)  
*Tsuga canadensis* (Pinaceae)
- EPIMECIS** Hübner, [1825]  
*Bronchelia* Guenée, [1858]
- 6599 **hortaria** (Fabricius, 1794) (McD 4951) **16.24**  
*virginaria*.- auct, misid. (not *virginaria* Cramer, 1780), missp.  
*liriodendrarina* (J. E. Smith, 1797)  
*disserptaria* (Walker, 1860)  
*amplaria* (Walker, 1860)  
f. *dendrarina* (Guenée, [1858])  
*gravilinearina* (Andrews, 1878)  
f. *carbonaria* Haimbach, 1915  
Range.- I-VI (e. N.Am.: MA-FL/Ont.-TX)  
Dates.- Jan-Sep, Nov  
Hosts.- *Liriodendron tulipifera* (Magnoliaceae)  
*Magnolia virginiana* (Magnoliaceae)  
*Nectandra coriacea* (Lauraceae)  
*Populus* sp. (Salicaceae)  
*Sassafras* sp. (Lauraceae)
- \*6600 **subaustralis** (Hulst, 1898) (McD 4951.1) T **15.17**  
Range.- VI (Florida)  
Dates.- ?  
Hosts.- Unknown
- \*6601 **matronaria** (Guenée, [1858]) (McD 4951.2) T **20.21**  
Range.- V-VI (Florida)  
Dates.- Mar, Aug, Oct  
Hosts.- Unknown
- 6602 **anonaria** (R. Felder, 1874) (McD 4951.3) T  
Range.- V (FL; West Indies)  
Dates.- (stray?)  
Hosts.- Unknown
- 6603 **fraternaria** (Guenée, [1858]) (McD 4951.4) T **20.20**  
Range.- VI (FL; West Indies)  
Dates.- Jan-Mar  
Hosts.- Unknown
- \*6604 **detexta** (Walker, 1860) (McD 4951.5) T **20.22**  
Avocado spanworm  
Range.- IV-VI (FL; TX; [Mex. ?])  
Dates.- Jan-Feb, May-Oct, Dec  
Hosts.- *Magnolia virginiana* (Magnoliaceae)  
*Persea americana* (Lauraceae)
- MELANCHROIINI**
- MELANCHROIA** Hübner, [1819]  
*Melanochroia* Ferguson, 1983, missp.
- 6616 **chephise** (Cramer, 1782) (McD 5219) **18.21**
- PROTOBOARMIA** McDunnough, 1920

- Snowbush spanworm; White-tipped black  
 Range.- I-VIII (Gulf Coast: FL-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Amaranthus tricolor* (Amaranthaceae)  
           *Breynia nivosa* (Euphorbiaceae)  
           *Casimiroa edulis* (Rutaceae)  
           *Euphorbia marginata* (Euphorbiaceae)  
           *Phyllanthus acidus*, *P. angustifolius* (Euphorbia-  
           ceae)  
 6617 **geometroides** (Walker, 1854) (McD 5220) T  
 Range.- VIII (FL; West Indies)  
 Dates.- (stray)  
 Hosts.- *Phyllanthus acidus* (Euphorbiaceae)

**MELANOLOPHIINI**

- MELANOLOPHIA** Hulst, 1896  
 6620 **canadaria** (Guenée, [1858]) (McD 4856)  
   a) **choctawae** Rindge, 1964  
     Canadian geometer  
 Range.- I-III (e. N. Am: Que.-FL/Man.-TX) [s. subsp.]  
 Dates.- Jan-Jul  
 Hosts.- *Abies balsamea* (Pinaceae)  
           *Acer rubrum* (Aceraceae)  
           *Betula allegheniensis*, *B. papyrifera* (Betulaceae)  
           *Epilobium* sp. (Onagraceae)  
           *Larix laricina* (Pinaceae)  
           *Myrica* sp., *M. gale* (Myricaceae)  
           *Picea* sp. (Pinaceae)  
           *Pinus* sp. (Pinaceae)  
           *Polygonum* sp. (Polygonaceae)  
           *Prunus serotina* (Rosaceae)  
           *Quercus* sp. (Fagaceae)  
           *Rhus typhina* (Anacardiaceae)  
           *Tilia* sp. (Tiliaceae)  
           *Tsuga canadensis* (Pinaceae)  
           *Ulmus parvifolia*, *U. thomasi* (Ulmaceae)  
 6621 **signataria** (Walker, 1860) (McD 4857)  
           *ejectaria* (Walker, 1860)  
           *patularia* (Walker, 1861)  
   a) **timucuae** Rindge, 1864  
     Signate geometer  
 Range.- I (e. N.Am.: N.S.-FL/Man.-TX) [w. FL subsp.]  
 Dates.- Feb-Mar  
 Hosts.- *Abies balsamea* (Pinaceae)  
           *Acer* sp. (Aceraceae)  
           *Alnus* sp. (Betulaceae)  
           *Betula allegheniensis* (Betulaceae)  
           *Larix laricina* (Pinaceae)  
           *Picea glauca* (Pinaceae)  
           *Populus* sp. (Salicaceae)  
           *Quercus* sp. (Fagaceae)  
           *Ulmus* sp. (Ulmaceae)  
 6622 **imperfectaria** (Walker, 1860) (McD 4858)  
 Range.- I (Gulf Coast: FL-TX)  
 Dates.- May-Jun  
 Hosts.- Unknown

**BISTONINI**

- LYCIA** Hübner, [1825]  
           *Nyssia* Duponchel, 1829  
           *Melanocoma* Harrison, 1910  
           *Poecilopsis* Harrison, 1910  
 6652 **ypsilon** (S. A. Forbes, 1885) (McD 4952)  
   a) **carlotta** (Hulst, 1896)

- Woolly gray  
 Range.- I-IV (e. U.S.: NY-FL/MN-TX) [so. subsp.]  
 Dates.- Jan-Mar, May  
 Hosts.- *Alnus* sp. (Betulaceae)  
           *Betula* sp. (Betulaceae)  
           *Fraxinus* sp. (Oleaceae)  
           *Malus* sp. (Rosaceae)  
           *Populus* sp. (Salicaceae)  
           *Tilia* sp. (Tiliaceae)  
           *Ulmus* sp. (Ulmaceae)

**HYPAGYRTIS** Hübner, [1818]

- Paraphia* Guenée, [1858]  
           *Amilapis* Guenée, [1858]  
 6654 **unipunctata** (Haworth, 1809) (McD 4807/4809/4810)  
           *pustularia* Hübner, [1818] **16.18**  
           f. *subatomaria* (Wood, 1839)  
           *deplanaria* (Guenée, [1858])  
           *nubecularia* (Guenée, [1858])  
           *mamurraria* (Guenée, [1858])  
           *triplicipunctata* (Fitch, 1860)  
           *impropriata* (Walker, 1861)  
           *fidoniaria* (Walker, 1862)  
           *exsuperata* (Walker, [1863])  
 Range.- I-IV (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Abies* sp. (Pinaceae)  
           *Alnus* sp. (Betulaceae)  
           *Betula* sp. (Betulaceae)  
           *Carya* sp. (Juglandaceae)  
           *Pinus* sp. (Pinaceae)  
           *Quercus* sp. (Fagaceae)  
           *Salix* sp. (Salicaceae)  
           *Ulmus* sp. (Ulmaceae)  
 6655 **esther** (Barnes, 1928) (McD 4808) **20.4**  
           *lemmeri* (Barnes, 1928)  
 Range.- I-II (e. U.S.: MA-FL/MO-TX)  
 Dates.- Apr-Jul  
 Hosts.- *Carya* sp. (Juglandaceae)  
           *Pinus virginiana* (Pinaceae)  
 6657 **brendae** R. L. Heitzman, 1975  
 Range.- I (se.U.S.: KY-FL/MO-LA)  
 Dates.- May-Aug  
 Hosts.- Unknown

**PHIGALIA** Duponchel, 1829

- Coniodes* Hulst, 1896  
           *Rhaphidodemas* Hulst, 1896  
 6658 **titea** (Cramer, 1782) (McD 4958) **16.29**  
           *titearia* (Hübner, [1825])  
           *revocata* Walker, [1863]  
           *cinctaria* French, 1878  
           *nevadaria* Hulst, 1896  
           f. *mephistaria* Reiff, 1913  
           f. *deplorans* Franclemont, 1938  
           Eastern oak looper  
 Range.- I-IV (e. N.Am.: Que.- FL/WI-TX)  
 Dates.- Feb-Mar  
 Hosts.- *Acer* sp., *A. saccharophorum* (Aceraceae)  
           *Betula* sp. (Betulaceae)  
           *Carpinus caroliniana* (Betulaceae)  
           *Carya* sp. (Juglandaceae)  
           *Crataegus* sp. (Rosaceae)  
           *Fagus* sp. (Fagaceae)  
           *Juglans nigra* (Juglandaceae)

- Malus pumila* (Rosaceae)  
*Populus* sp. (Salicaceae)  
*Prunus serotina* (Rosaceae)  
*Pyrus* sp. (Rosaceae)  
*Quercus virginiana* (Fagaceae)  
*Rosa* sp. (Rosaceae)  
*Rubus allegheniensis* (Rosaceae)  
*Tilia* sp., *T. americana* (Tiliaceae)  
*Ulmus* sp. (Ulmaceae)
- 6659 **denticulata** Hulst, 1900 (McD 4957)  
 Range.- I-II (e. U.S.: NJ-FL/IL-TX)  
 Dates.- Feb  
 Hosts.- Unknown (hardwood trees?)
- 6660 **strigataria** (Minot, 1869) (McD 4956) **15.18**  
*olivacearia* (Morrison, 1874)  
 Small oak looper  
 Range.- I-III (e. U.S.: MA-FL/IL-TX)  
 Dates.- Feb  
 Hosts.- *Acer* sp., *A. negundo*, *A. pensylvanicum*, *A. rubrum*, *A. saccharum* (Aceraceae)  
*Amelanchier canadensis* (Rosaceae)  
*Betula* sp., *B. lenta* (Betulaceae)  
*Carya* sp., *C. glabra*, *C. ovata*, *C. tomentosa* (Juglandaceae)  
*Crataegus* sp. (Rosaceae)  
*Celtis occidentalis* (Ulmaceae)  
*Cornus florida* (Cornaceae)  
*Corylus americana* (Betulaceae)  
*Hamamelis virginiana* (Hamamelidaceae)  
*Juglans nigra* (Juglandaceae)  
*Malus coronaria*, *M. sylvestris* (Rosaceae)  
*Nyssa sylvatica* (Nyssaceae)  
*Parthenocissus quinquefolia* (Vitaceae)  
*Prunus serotina* (Rosaceae)  
*Quercus alba*, *Q. coccinea*, *Q. prinus*, *Q. rubra*, *Q. stellata*, *Q. velutina* (Fagaceae)  
*Rubus* sp. (Rosaceae)  
*Tilia* sp., *T. americana* (Tiliaceae)  
*Ulmus* sp., *Ulmus rubra* (Ulmaceae)  
*Vaccinium augustifolium* (Ericaceae)

**PALEACRITA** Riley, 1876

- 6663 **merriccata** Dyar, 1903 (McD 4961)  
 White-spotted cankerworm  
 Range.- I (e. N.Am.: Ont.-FL/MO-TX)  
 Dates.- Feb  
 Hosts.- Unknown (hardwood trees?)

**BAPTINI****LOMOGRAPHIA** Hübner, [1825]

- Corycia* Duponchel, 1829, preocc. (Hübner, [1823] [Noctuidae])  
*Bapta* Stephens, 1829  
*Lomatographa* Agassiz, [1847], emend.  
*Leucetaera* Warren, 1894  
*Cirretaera* Wehrli, 1939
- 6667 **vestaliata** (Guenée, [1858]) (McD 4606)  
 White spring moth  
 Range.- I (e. N.Am.: N.S.-FL/Man.-CO-TX)  
 Dates.- Feb-Apr  
 Hosts.- *Acer* sp. (Aceraceae)  
*Carpinus caroliniana* (Betulaceae)  
*Crataegus* sp. (Rosaceae)  
*Malus pumila* (Rosaceae)  
*Prunus* sp., *P. serotina* (Rosaceae)

- Quercus* sp. (Fagaceae)  
 6668 **glomeraria** (Grote, 1881) (McD 4608/4609) **19.31**  
*merricki* (Cassino & Swett, 1922)  
*virginalis* (Cassino & Swett, 1923)  
 Gray spring moth  
 Range.- I (e. N.Am.: Newfd.-FL/Man.-TX)  
 Dates.- Feb  
 Hosts.- ?*Crataegus* sp. (Rosaceae)  
*Prunus* sp. (Rosaceae)

**PALYAS** Guenée, [1858]

- 6670 **auriferaria** (Hulst, 1887) (McD 5216) T **18.19**  
 Range.- III-VIII (FL; West Indies)  
 Dates.- Jan-Sep, Nov-Dec  
 Hosts.- Unknown

**PHRYGIONIS** Hübner, [1825]

- Byssodes* Guenée, [1858]  
*Phrygionia* Covell, 1984, missp.
- 6671 **argentata** (Drury, 1773) (McD 5217) T **18.20**  
*argentistriata* Strecker, 1876  
*cerussaria* (Grote, 1882)  
*obrussata* (Grote, 1882)  
 Jeweled geometer  
 Range.- III-VI (FL; West Indies-S. Am.)  
 Dates.- Jan-Dec  
 Hosts.- *Ardisia escallonioides* (Myrsinaceae)

**CABERINI****CABERA** Treitschke, 1825

- Sphecodes* Hübner, [1806], unavail. (ICZN op. 97)  
*Sphecodes* Hübner, 1818, unavail.  
*Deilinia* Hübner, [1825]  
*Cabera* Stephens, 1829, redesc.  
*Cabira* Sodoffsky, 1837, emend.  
*Dilina* Agassiz, [1847], emend., preocc. (Dalman, 1817 [Sphingidae])  
*Cabiro* Unger, 1856, emend.  
*Thysanochilus* Butler, 1878  
*Deilinea* Holland, 1893, missp.  
*Dilinia* Hampson, 1895, emend.
- 6677 **erythemaria** Guenée, [1858] (McD 4613/4614/4615/5016, part)  
*incoloraria* (Walker, [1863])  
*pacificaria* (Packard, 1876)  
*erythemaria* Forbes, 1948, missp.  
 Range.- I (N.Am.: N.S.-FL/IL-OR)  
 Dates.- (stray?)  
 Hosts.- *Betula* sp. (Betulaceae)  
*Populus* sp. (Salicaceae)  
*Salix* sp. (Salicaceae)  
*Vaccinium* sp. (Ericaceae)
- 6678 **variolaria** Guenée, [1858] (McD 4612) **19.32**  
*intentaria* Walker, 1861  
*intentata* Dyar, [1903], missp.  
 Range.- I-II (N.Am.: Newfd.-FL/B.C.-AZ)  
 Dates.- May  
 Hosts.- *Salix* sp. (Salicaceae)  
*Populus* sp. (Salicaceae)

**NUMIA** Guenée, [1858]

- 6699 **terebintharia** Guenée, [1858] (McD 5043.1) T **17.8**



*buxaria* Guenée, [1858]  
*diffusa* (Walker, 1861)  
*factaria* (Walker, 1861)  
*subcelata* (Walker, 1861)  
*subvectaria* (Walker, 1861)  
*terebinthiaria* Möschler, 1890, missp.  
*terebintheria* Kimball, 1965, missp.

Range.- VIII (FL; West Indies)

Dates.- Sep

Hosts.- Unknown

#### **ERASTRIA** Hübner, [1813]

*Trosthia* Hübner, [1821]  
*Syrrhodia* Hübner, [1823]  
*Catopyrrha* Hübner, [1823]  
*Euchlidon* Hübner, [1823]  
*Acroleuca* Herrich-Schäffer, 1855  
*Syrrhoedia* Wolcott, 1923, missp.  
6704 *coloraria* (Fabricius, 1798) (McD 4642, part) **19.33-34**  
*f. dissimilaria* Hübner, [1813]  
*accessaria* (Hübner, [1827-31])  
*olenusaria* (Walker, [1863])  
Range.- I-III (e. U.S.: CT-FL/MN-TX)  
Dates.- Jan, Mar-May  
Hosts.- *Ceanothus americanus* (Rhamnaceae)  
? *Trifolium* sp. (Leguminosae)  
? *Rubus* sp. *R. allegheniensis*, *R. idaeus* var. *strigosus* (Rosaceae)

6705 *cruentaria* (Hübner, [1796-99]) (McD 4642, part/4643) **14.1-3**

*sphaeromacharia* (Harvey, 1875)  
*perolivata* (Hulst, 1896)

Range.- I-VI (se. U.S.: DC-FL/MO-TX)

Dates.- Mar-Jun, Aug

Hosts.- *Rubus* sp. (Rosaceae)

#### **THYSANOPYGA** Herrich-Schäffer, [1855]

6711 *intractata* (Walker, [1863]) (McD 4793) **16.13-14**  
*gausaparia* (Grote, 1881)  
*fulva* (Warren, 1900)

Range.- I-VI (e. U.S.: MA-FL/WI-TX)

Dates.- Feb-May, Aug, Dec

Hosts.- Unknown

6712 *proditata* (Walker, 1861) (McD 4794) T  
*nicitaria*.- auct., part (not Guenée, [1858])

Range.- I-VI (FL; West Indies)

Dates.- Mar-Jun, Sep, Dec

Hosts.- Unknown

#### **EPISEMASIA** Hulst, 1896

6713 *solitaria* (Walker, 1861) (McD 4650/4795) **16.6**  
*stabilita* (Walker, 1861)  
*repugnata* (Walker, [1863])  
*morbosa* Hulst, 1896  
*stabilitata* Kimball, 1965, missp.

Range.- I-VI (Atlantic/Gulf Coasts: NJ-FL-TX)

Dates.- Mar-Jun, Aug-Sep

Hosts.- Unknown

#### **ANGERONINI**

#### **LYTROSIS** Hulst, 1896

6720 *unitaria* (Herrich-Schäffer, 1854) (McD 4993)

Range.- I (e. N.Am.: Que.-FL/ND-TX)

Dates.- May

Hosts.- *Acer saccharum* (Aceraceae)

*Crataegus* sp. (Rosaceae)

*Quercus palustris* (Fagaceae)

6721 *sinuosa* Rindge, 1971

Range.- I-II (e. U.S.: NJ-FL/VA-TX)

Dates.- Apr-Jul

Hosts.- Unknown

#### **EUCHLAENA** Hübner, [1823]

6724 *serrata* (Drury, 1770) (McD 4994)

*concisaria* (Walker, 1866)

Range.- I (e. N.Am.: Que.-FL/MN-MO)

Dates.- Apr (stray)

Hosts.- *Acer* sp. (Aceraceae)

*Malus* sp. (Rosaceae)

*Vaccinium* sp. (Ericaceae)

6725 *muzaria* (Walker, 1860) (McD 4995.1) **15.19**

Range.- I (e. N.Am.: Ont.-FL/SD-MS)

Dates.- Apr

Hosts.- *Prunus serotina* (Rosaceae)

6726 *obtusaria* (Hübner, [1809-13]) (McD 4995) **18.2**

*decisaria* (Walker, 1860)

*incisaria* (Walker, 1866)

Range.- I-IV (e. N.Am.: NJ-FL/Man.-TX)

Dates.- Mar, May-Jul, Oct

Hosts.- *Castanea dentata* (Fagaceae)

*Impatiens* sp. (Balsaminaceae)

*Prunus serotina* (Rosaceae)

*Rosa* sp. (Rosaceae)

6731 *madusaria* (Walker, 1860) (McD 4999.1) **15.20-22**

*oponearia* (Walker, 1860)

*tivaria* (Walker, 1860)

*vinulentaria* (Grote & Robinson, 1867)

*vinosaria* (Grote & Robinson, 1867)

Range.- I-IV (e. N.Am.: Que.-FL/WI-TX)

Dates.- Jan-May, Jul, Oct

Hosts.- Unknown

6732 *deplanaria* (Walker, [1863]) (McD 5001.1) **18.4**

Range.- I-IV (e. U.S.: MA-FL/CO-TX)

Dates.- Feb, May-Aug, Nov

Hosts.- Unknown

6733 *amoenaria* (Guenée, [1858]) (McD 4999/5001)

*arefactaria* (Grote & Robinson, 1867)

a) *astylusaria* (Walker, 1860) **18.3**

Range.- I-IV (e. U.S.: MA-FL/IL-TX) [so. subsp.]

Dates.- Jan-Jun, Aug-Sep, Nov

Hosts.- Unknown

6735 *deductaria* (Walker, 1860) (McD 5003)

*pectinaria* (Hübner, [1813]), preocc. (not [Denis & Schiffmüller], 1775)

*pectinaria*.- auct., misid. (not [Denis & Schiffmüller], 1775)

Range.- I-IV (e. N.Am.: NJ-FL/Man.-TX; Europe)

Dates.- Feb, Jun-Jul

Hosts.- *Prunus serotina* (Rosaceae)

#### **XANTHOTYPE** Warren, 1894

6742 *rufaria* Swett, 1918 (McD 5009) **15.16**

Range.- I-IV (se. U.S.: NJ-FL/MO-MS)

Dates.- Feb-Jun, Aug-Oct, Dec

Hosts.- Unknown

6743 *sospeta* (Drury, 1773) (McD 5007)

*crocataria* (Fabricius, 1798)

*citrinaria* (Hübner, [1824])

*citrina* auct., missp.

*caelaria* (Hulst, 1886)  
*manitobensis* Swett, 1918  
*marylandensis* Swett, 1918

Crocus geometer  
 Range.- I (N.Am.: N.S.-FL/B.C.-MO)  
 Dates.- Apr-Oct  
 Hosts.- *Acer rubrum* (Aceraceae)  
*Carya* sp. (Juglandaceae)  
*Cornus* sp. (Cornaceae)  
*Fragaria* sp. (Rosaceae)  
*Polygonum* sp. (Polygonaceae)  
*Ribes* sp. (Saxifragaceae)  
*Tilia* sp. (Tiliaceae)  
*Ulmus* sp. (Ulmaceae)

**CYMATOPHORA** Hübner, [1812]

*Stenotrachelys* Guenée, [1858]  
 6745 **approximaria** Hübner, [1812] (McD 4978) **16.30-31**  
 Giant gray  
 Range.- I-IV (Atlantic/Gulf Coasts: NJ-FL-TX)  
 Dates.- Sep-Dec  
 Hosts.- *Quercus* sp., *Q. virginiana* (Fagaceae)  
*Rhexia petiolata* sp. (Melastomaceae)  
*Smilax laurifolia*, *S. rotundifolia* (Smilacaceae)

**AZELININI****STENASPILATODES** Franclemont & Poole, 1972

6746 **antidiscaria** (Walker, [1863]) (McD 5053) **17.10**  
*lentaria* (Hulst, 1886)  
 Range.- I-IV (se. U.S.: GA-FL)  
 Dates.- Jan-Apr, Jun-Aug  
 Hosts.- Unknown

**PERO** Herrich-Schäffer, [1855]

*Pergama* Herrich-Schäffer, 1855  
*Azelina* Guenée, [1858]  
*Synemia* Guenée, [1858]  
*Metidulodes* Guenée, [1858]  
*Egabra* Walker, 1858  
*Eusenea* Walker, 1860  
*Stenaspilates* Packard, 1876  
*Azelinopsis* Warren, 1896  
*Marmarea* Hulst, 1896  
*Stenodonta* Warren, 1905

6752 **zalissaria** (Walker, 1860) (McD 5061)  
 Range.- I-VI (Atlantic/Gulf Coasts: NJ-FL-TX)  
 Dates.- Jan-Jun, Oct-Nov  
 Hosts.- *Myrica gale* (Myricaceae)  
 6753 **honestaria** (Walker, 1860) (McD 5072)  
*stygiaria* (Walker, 1866)  
*dyari* Cassino & Swett, 1922  
 Range.- I-III (e. N.Am.: N.S.-FL/ND-TX)  
 Dates.- May-Jun, Aug  
 Hosts.- *Prunus* sp. (Rosaceae)

*Rhamnus frangula* (Rhamnaceae)  
 6754 **ancetaria** (Hübner, 1806) (McD 5082) **20.6**  
*hubneraria* (Guenée, [1858]), repl. name  
*marmoratus* Grossbeck, 1910  
*barnesi* Cassino & Swett, 1922  
 Range.- I-II (e. N.Am.: Que.-FL/Man.-TX)  
 Dates.- Feb-Apr  
 Hosts.- *Prunus serotina* (Rosaceae)  
 6762 **nerisaria** (Walker, 1860) (McD 5071) T  
*vetustaria* (Walker, 1866)

*curvistrigaria* Herrich-Schäffer, 1870  
 var. *atrocolorata* (Hulst, 1886)  
*atricolorata* (McDunnough, 1938), missp.

Range.- III-VIII (FL; West Indies)  
 Dates.- Jan (stray)  
 Hosts.- Unknown

**NACOPHORINI****NACOPHORA** Hulst, 1896

*Phaeoura* Hulst, 1896  
 6763 **quernaria** (J. E. Smith, 1797) (McD 4953) **16.26-27**  
*phigaliaria* (Guenée, [1858])  
*sperataria* (Walker, 1860)  
*paenulataria* (Grote, [1863])  
*cupidaria* (Grote, 1864)  
 f. *atrescens* Hulst, 1898  
 Oak beauty  
 Range.- I-IV (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Jan-Mar, May  
 Hosts.- *Betula papyrifera* (Betulaceae)  
*Crataegus* sp. (Rosaceae)  
*Populus tremuloides* (Salicaceae)  
*Prunus serotina* (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Salix* sp. (Salicaceae)  
*Tilia americana* (Tiliaceae)  
*Ulmus americana* (Ulmaceae)

**CERATONYX** Guenée, [1858]

*Stenocharis* Grossbeck, 1912  
 6780 **satanaria** Guenée, [1858] (McD 4954) **16.28**  
*candida* (J. B. Smith, 1890)  
 Range.- I-II (se. U.S.: SC-FL/MS-TX)  
 Dates.- Feb-Mar  
 Hosts.- *Liquidambar styraciflua* (Hamamelidaceae)

**CAMPAEINI****CAMPAEA** Lamarck, 1816

*Metrocampus* Berthold, 1827  
*Metrocampa* Bruand, 1846  
 6796 **perlata** (Guenée, [1858]) (McD 5015)  
*praegrandaria* (Guenée, [1858])  
*viridoperlata* (Packard, 1873)  
*perlaria* (Packard, 1876)  
 Range.- I-II (e. N.Am.: Lab.-FL/B.C.-MO)  
 Dates.- May  
 Hosts.- *Acer* sp. (Aceraceae)  
*Alnus* sp. (Betulaceae)  
*Betula* sp. (Betulaceae)  
*Populus* sp. (Salicaceae)  
*Quercus* sp. (Fagaceae)  
*Salix* sp. (Salicaceae)  
*Ulmus* sp. (Ulmaceae)

**ENNOMINI****ENNOMOS** Treitschke, 1825

*Eugonia* Hübner, [1823], preocc. (Hübner, [1819])  
*Odoptera* Sodoffsky, 1837  
*Deuteronomos* Prout, 1914  
 6797 **magnaria** Guenée, [1858] (McD 5170) **17.15**  
*lutaria* Walker, 1866  
 Maple spanworm

- Range.- I (e. N.Am.: Newfd.-FL/B.C.-TX)  
 Dates.- Sep  
 Hosts.- *Acer* sp. (Aceraceae)  
           *Alnus* sp. (Betulaceae)  
           *Betula* sp., *B. allegheniensis*, *B. nigra*, *B. populifolia* (Betulaceae)  
           *Carya* sp. (Juglandaceae)  
           *Castanea dentata* (Fagaceae)  
           *Comptonia peregrina* var. *asplenifolia* (Myricaceae)  
           *Crataegus* sp. (Rosaceae)  
           *Fagus* sp. (Fagaceae)  
           *Fraxinus* sp. (Oleaceae)  
           *Liquidambar styraciflua* (Hamamelidaceae)  
           *Malus pumila* (Rosaceae)  
           *Populus* sp., *P. tremuloides* (Salicaceae)  
           *Syringa* sp. (Oleaceae)  
           *Tilia* sp. (Tiliaceae)  
           *Ulmus* sp. (Ulmaceae)  
 6798 **subsignaria** (Hübner, [1823]) (McD 5059)  
           *niveosericeatus* (Harris, 1855)  
           Elm spanworm  
 Range.- I-VI (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- Apr-Jun  
 Hosts.- *Acer* sp., *A. rubrum* (Aceraceae)  
           *Aesculus hippocastanum* (Hippocastanaceae)  
           *Alnus rugosa*, *A. serrulata* (Betulaceae)  
           *Amelanchier arborea* (Rosaceae)  
           *Betula* sp., *B. allegheniensis* (Betulaceae)  
           *Carpinus caroliniana* (Carpinaceae)  
           *Carya* sp. (Juglandaceae)  
           *Castanea dentata* (Fagaceae)  
           *Cornus alternifolia* (Cornaceae)  
           *Crataegus* sp. (Rosaceae)  
           *Fagus* sp., *F. grandifolia* (Fagaceae)  
           *Fraxinus nigra* (Oleaceae)  
           *Juglans cinerea*, *J. regia* (Juglandaceae)  
           *Malus pumila* (Rosaceae)  
           *Ostrya virginiana* (Ostryaceae)  
           *Populus* sp. (Salicaceae)  
           *Quercus alba*, *Q. coccinea*, *Q. prinus*, *Q. rubra*, *Q. velutina* (Fagaceae)  
           *Tilia* sp. (Tiliaceae)  
           *Ulmus* sp. (Ulmaceae)

## SPHACELODINI

- SPHACELODES** Guenée, [1858]  
 6800 **vulneraria** (Hübner, [1819-21]) (McD 5221) T **17.1-2**  
           *fusilineata* (Walker, 1860)  
           *floridensis* Holland, 1884  
 Range.- III-VIII (FL; TX; West Indies; Mex.-Argentina)  
 Dates.- May-Jun, Aug-Dec  
 Hosts.- Unknown  
 6801 **haitiaria** Oberthür, 1923 (McD 5221.1) T  
 Range.- VI (FL; West Indies)  
 Dates.- May (stray)  
 Hosts.- Unknown

## LITHININI

- PETROPHORA** Hübner, [1811]  
           *Ortholitha* Hübner, [1821]  
           *Lithina* Hübner, [1825]  
           *Lozogramma* Stephens, 1829  
           *Loxogramma* Agassiz, [1847], emend.  
           *Ortholita* Glaser, 1887, missp.

- 6803 **divisata** Hübner, [1811] (McD 5026) **17.6**  
           *extremaria* (Walker, 1861)  
           *ordinata* (Walker, 1862)

- Range.- I (Atlantic/Gulf Coasts: NY-FL-TX)  
 Dates.- Mar  
 Hosts.- ferns?

- 6804 **subaequaria** (Walker, 1860) (McD 5025) **17.5**  
           *defluaria* (Walker, 1861)  
           *defluata* auct., missp.

- Range.- I (e. N.Am.: N.S.-WV [FL?]/WI-IL)  
 Dates.- ? (stray)  
 Hosts.- ferns

**TACPARIA** Walker, 1860

- Apaecasia* Hulst, 1896  
 6805 **zalissaria** Walker, 1860 (McD 5024, part) **17.4**  
           *deductaria* (Walker, 1860)  
           *darlingtoni* (Lemmer, 1937)

- Range.- I-IV (Atlantic/Gulf Coasts: MA-FL-TX)  
 Dates.- Feb-Apr  
 Hosts.- Unknown

- 6806 **atropunctata** (Packard, 1874) (McD 5024)  
           *fernaldi* (Grote, 1878)

- Range.- I-II (e. N.Am.: N.S./Ont.-FL)

- Dates.- Mar

- Hosts.- *Betula* sp. (Betulaceae)

- 6807 **detersata** (Guenée, [1858]) (McD 5023) **17.3**

- Range.- I (e. N.Am.: N.S.-FL/Alb.-CO)

- Dates.- Mar

- Hosts.- *Alnus* sp., *A. rugosa* (Betulaceae)

**HOMOCHLODES** Hulst, 1896

- 6812 **fritillaria** (Guenée, [1858]) (McD 5022)

- Range.- I (e. N.Am.: Newfd.-FL/MN-WI)

- Dates.- Apr-May

- Hosts.- *Pteridium* sp. (Polypodiaceae)

## ANAGOGINI

**METARRANTHIS** Warren, 1894

- Gonodontis*.- auct. (not Hübner, [1823])

- 6828 **homuraria** (Grote & Robinson, 1868) (McD 5046.2)  
           *amethystaria* (Strecker, 1899) **18.7**

- Range.- I-IV (e. U.S.: ME-FL/MO-TX)

- Dates.- Mar-Sep

- Hosts.- (Rosaceae?)

- 6829 **lateritiaria** (Guenée, [1858]) (McD 5046.1)

- Range.- II (Atlantic Coast: ME-FL)

- Dates.- May

- Hosts.- (Rosaceae?)

- 6830 **pilosaria** (Packard, 1876) (McD 5049)

- Range.- I (e. U.S.: NH-FL/CO)

- Dates.- May

- Hosts.- *Betula papyrifera* (Betulaceae)

- 6832 **obfirmaria** (Hübner, [1823]) (McD 5052) **18.16**

- Range.- I-IV (e. N.Am.: N.S.-FL/WI-TX)

- Dates.- Mar

- Hosts.- *Prunus virginiana* (Rosaceae)

- Quercus* sp. (Fagaceae)

- Vaccinium* sp. (Ericaceae)

**CEPPHIS** Hübner, [1823]

- Priocycla* Guenée, [1858]

- Hetrione* Poppius, 1887

- 6834 **decoloraria** (Hulst, 1886) (McD 5029)  
*jucundaria* (Strecker, 1899)  
 Range.- I (e. N.Am.: N.S.-FL/MI-AL?)  
 Dates.- Apr, Sep  
 Hosts.- *Rubus allegheniensis*, *R. idaeus sachalinensis*  
 (Rosaceae)

**PROBOLE** Herrich-Schäffer, 1855

- Hyperetis* Guenée, [1858]  
 6837 **alienaria** Herrich-Schäffer, 1855 (McD 5043, part) **18.5**  
*nyssaria* (Guenée, [1858])  
*insinuaria* (Guenée, [1858])  
*persinuaria* (Guenée, [1858])  
*subsinuaria* (Guenée, [1858])  
 Range.- I-II (e. N.Am.: N.S.-FL/Ont.-TX)  
 Dates.- Feb-Apr  
 Hosts.- *Cornus* sp. (Cornaceae)  
*Hypericum* sp. (Guttiferae)  
*Nyssa* sp. (Nyssaceae)  
 6838 **amicaria** (Herrich-Schäffer, 1855) (McD 5043, part)  
*exsinuaria* (Guenée, [1858])  
*aesionaria* (Walker, 1860)  
*neonaria* (Walker, 1860)  
*laticincta* (Walker, 1861)  
 Range.- I (e. U.S.: MA-FL/WI-IL)  
 Dates.- Mar-May  
 Hosts.- *Acer* sp. (Aceraceae)  
*Alnus* sp. (Betulaceae)  
*Amelanchier florida* (Rosaceae)  
*Betula* sp., *B. alleghaniensis* (Betulaceae)  
*Carpinus caroliniana* (Carpinaceae)  
*Castanea dentata* (Fagaceae)  
*Cornus florida*, *C. sericea* (Cornaceae)  
*Fagus* sp. (Fagaceae)  
*Hypericum* sp., *H. myrtifolium* (Guttiferae)  
*Kalmia* sp. (Lauraceae)  
*Prunus serotina* (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Rosa carolina* (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Spiraea latifolia*, *S. salicifolia* (Rosaceae)  
*Tilia* sp. (Tiliaceae)  
*Ulmus* sp. (Ulmaceae)  
*Vaccinium* sp. (Ericaceae)

**PLAGODIS** Hübner, [1823]

- Anagoga* Hübner, [1823]  
*Azinephora* Stephens, 1827  
*Eurymene* Duponchel, 1829  
*Numeria* Duponchel, 1829  
*Axinophora* Agassiz, [1847], emend.  
*Anagoge* Stephens, 1850, missp.  
*Eurimene* Rondani, 1872, missp.  
 6843 **fervidaria** (Herrich-Schäffer, 1854) (McD 5036)  
*emargataria* (Guenée, [1858])  
*excavaria* (Morrison, 1873)  
*f. arrogaria* (Hulst, 1886), sum. f.  
 Range.- I-II (e. U.S.: ME-FL/SD-TX)  
 Dates.- Mar, May  
 Hosts.- *Acer* sp. (Aceraceae)  
*Betula* sp. (Betulaceae)  
*Castanea* sp. (Fagaceae)  
*Fagus* sp. (Fagaceae)  
*Fraxinus* sp. (Oleaceae)  
*Halesia carolina* (Styracaceae)

- Picea* sp. (Pinaceae)  
*Prunus cerasus* (Rosaceae)  
*Pseudotsuga menziesii* (Pinaceae)  
*Quercus virginiana* (Fagaceae)  
*Tsuga canadensis* (Pinaceae)  
*Ulmus* sp. (Ulmaceae)

**OURAPTERYGINI****LYCHNOSEA** Grote, 1883

- 6858 **intermicata** (Walker, 1862) (McD 5154) **17.11-14**  
*pervaria* (Packard, 1873)  
*interminaria* (Grote, 1877)  
 Range.- I-VI (se. U.S.: SC-FL/MO-TX)  
 Dates.- Feb-May, Jul-Aug  
 Hosts.- Unknown

**CARIPETA** Walker, [1863]

- 6863 **divisata** Walker, [1863] (McD 5125)  
*albopunctata* (Morrison, 1874)  
*f. nigraria* Forbes, 1924  
*divistata* Kimball, 1965, missp.  
 Range.- I (e. N.Am.: Newfd.-FL/B.C.-MN)  
 Dates.- Jun? (stray)  
 Hosts.- *Abies balsamea*, *A. lasiocarpa* (Pinaceae)  
*Larix laricina*, *L. occidentalis* (Pinaceae)  
*Picea engelmanni*, *P. glauca*, *P. mariana*, *P. rubens*, *P. sitchensis* (Pinaceae)  
*Pinus strobus* (Pinaceae)  
*Pseudotsuga menziesii* (Pinaceae)  
*Tsuga heterophylla* (Pinaceae)  
 \*6868 **latiorata** Walker, [1863] (McD 5129)  
 Range.- II-III (Florida)  
 Dates.- ?  
 Hosts.- *Pinus rigida*, *P. strobus* (Pinaceae)  
 6869 **aretaria** (Walker, 1860) (McD 5130)  
*subochrearia* Grote, 1883  
 Southern pine looper  
 Range.- I-III (se. U.S.: VA-FL/AR-TX)  
 Dates.- Jan, Mar, Oct  
 Hosts.- *Pinus resinosa* (Pinaceae)

**DESTUTIA** Grossbeck, 1908

- 6880 **flumenata** (Pearsall, 1906) (McD 4745)  
 Range.- I-IV (Gulf Coast: [GA]/FL-TX)  
 Dates.- Mar-Apr, Jun  
 Hosts.- Unknown

**BESMA** Capps, 1943

- 6885 **quercivoraria** (Guenée, [1858]) (McD 5145) **18.10**  
*aeliaria* (Walker, 1860)  
*textrinaria* (Grote & Robinson, 1867)  
*trilinearia* (Packard, 1876)  
*incongruaria* (Hulst, 1887)  
 Range.- I-IV (e. N.Am.: N.S.-FL/B.C.-TX)  
 Dates.- Mar-Jun, Aug  
 Hosts.- *Picea glauca* (Pinaceae)  
*Populus* sp. (Salicaceae)  
*Quercus* sp., *Q. alba*, *Q. nigra* (Fagaceae)  
*Salix* sp. (Salicaceae)  
*Ulmus* sp. (Ulmaceae)  
 ?*Uvularia perfoliata* (Liliaceae)

**LAMBDINA** Capps, 1943

- 6888 **fiscellaria** (Guenée, [1858]) (McD 5146)  
*flagitaria* (Guenée, [1858])

- peccataria* (Swett, 1909)  
*johnsoni* (Swett, 1913)  
*turbataria* (Barnes & McDunnough, 1917)  
 Hemlock looper  
 Range.- I-II (e. N.Am.: Lab.-FL/B.C.-TX)  
 Dates.- Aug-Oct  
 Hosts.- *Abies* sp., *A. balsamea* (Pinaceae)  
*Acer* sp., *A. circinatum*, *A. saccharinum* (Aceraceae)  
*Alnus* sp. (Betulaceae)  
*Betula allegheniensis*, *B. papyrifera* (Betulaceae)  
*Fagus* sp. (Fagaceae)  
*Picea engelmanni* (Pinaceae)  
*Pinus* sp. *P. resinosa*, *P. strobus* (Pinaceae)  
*Prunus serotina*, *P. virginiana* (Rosaceae)  
*Pseudotsuga menziesii* (Pinaceae)  
*Quercus* sp. (Fagaceae)  
*Thuja occidentalis* (Cupressaceae)  
*Tsuga canadensis*, *T. heterophylla* (Pinaceae)  
*Ulmus americana* (Ulmaceae)  
*Vaccinium* sp. (Ericaceae)  
 6889 **pultaria** (Guenée, [1858]) (McD 5150) **18.11**  
*scitata* (Walker, [1863])  
*invexata* (Walker, [1863])  
 Southern oak looper  
 Range.- I-VI (e. U.S.: NY-FL/AR-LA)  
 Dates.- Jan-May, Oct, Dec  
 Hosts.- *Quercus virginiana* (Fagaceae)  
 6892 **pellucidaria** (Grote & Robinson, 1867) (McD 5142)  
 Range.- I-III (e. U.S.: ME-FL/MO-TX)  
 Dates.- Mar-Apr, Aug-Sep  
 Hosts.- *Pinus* sp. (Pinaceae)  
*Quercus* sp. (Fagaceae)  
 6894 **fervidaria** (Hübner, [1827]) (McD 5149)  
 a) **athasaria** (Walker, 1860)  
*aequalitaria* (Walker, 1860)  
*seminudata* (Walker, [1863])  
*siccaria* (Walker, 1866)  
*bibularia* (Grote & Robinson, 1867)  
*semiundaria* (Packard, 1867), missp.  
 Range.- I-IV (e. N.Am.: N.S.-FL/SD-TX) [Atlantic subsp.]  
 Dates.- Apr-May  
 Hosts.- *Abies balsamea* (Pinaceae)  
*Betula* sp. (Betulaceae)  
*Fagus* sp. (Fagaceae)  
*Halesia carolina* (Styracaceae)  
*Picea* sp. (Pinaceae)  
*Prunus cerasus* (Rosaceae)  
*Pseudotsuga menziesii* (Pinaceae)  
*Quercus virginiana* (Fagaceae)  
*Tsuga canadensis* (Pinaceae)  
*Ulmus* sp. (Ulmaceae)  
**NEPYTIA** Hulst, 1896  
 6908 **semiclusaria** (Walker, [1863]) (McD 5111) **20.23**  
*fumosaria* (Strecker, 1899)  
 Pine conelet looper  
 Range.- I-IV (se. U.S.: NC-FL-TX)  
 Dates.- Apr-Jun, Sep  
 Hosts.- *Abies* sp. (Pinaceae)  
*Larix laricina* (Pinaceae)  
*Picea* sp. (Pinaceae)  
*Pinus* sp., *P. clausa* (Pinaceae)  
*Tsuga canadensis* (Pinaceae)

**EUSARCA** Hübner, [1813]

- Apicia* Guenée, [1858]  
 6933 **fundaria** (Guenée, [1858]) (McD 5180) **18.12-13**  
*juncturaria* (Guenée, [1858])  
*impexaria* (Guenée, [1858])  
*incopularia* (Guenée, [1858])  
*thasusaria* (Walker, 1869)  
*arbuaria* (Walker, 1860)  
*eldanaria* (Walker, 1860)  
*carcearia* (Walker, 1860)  
*basifusata* (Walker, [1863])  
*effascinaria* (Hulst, 1886)  
 Range.- I-VIII (Gulf Coast: GA/FL-TX)  
 Dates.- Feb-Oct  
 Hosts.- Unknown  
 6941 **confusaria** Hübner, [1813] (McD 5184) **18.14-15**  
*remissaria* (Guenée, [1858])  
*imbraria* (Guenée, [1858])  
*superaria* (Guenée, [1858])  
*majoraria* (Guenée, [1858])  
*ineffusaria* (Guenée, [1858])  
*floridaria* (Guenée, [1858])  
*phasianaria* (Guenée, [1858])  
*interlinearia* (Guenée, [1858])  
*metrocamparia* (Guenée, [1858])  
*pandaria* (Walker, 1860)  
*mimaria* (Hulst, 1886)  
*subochrearia* (Hulst, 1900)  
 Range.- I-VI (e. N.Am.: MA-FL/MO-TX)  
 Dates.- Jan-Jun, Sep  
 Hosts.- *Aster* sp. (Compositae)  
*Solidago* sp. (Compositae)  
*Taraxacum officinale* (Compositae)  
*Trifolium* sp. (Leguminosae)  
**TETRACIS** Guenée, [1858]  
 6963 **crocallata** Guenée, [1858] (McD 5197)  
*allediaria* Walker, 1860  
 Range.- I (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- May-Jul  
 Hosts.- *Alnus* sp. (Betulaceae)  
*Castanea dentata* (Fagaceae)  
*Lindera benzoin* (Lauraceae)  
*Rhus* sp. (Anacardiaceae)  
 6964 **cachexiata** Guenée, [1858] (McD 5198)  
*lorata* Grote, 1864  
 Range.- I-II (e. N.Am.: N.S.-FL/Man.-AR)  
 Dates.- Jun  
 Hosts.- *Acer* sp. (Aceraceae)  
*Betula* sp. (Betulaceae)  
*Comptonia* sp. (Myricaceae)  
*Fraxinus* sp. (Oleaceae)  
*Kalmia angustifolia* (Ericaceae)  
*Pinus* sp. (Pinaceae)  
*Prunus* sp. (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Salix* sp. (Salicaceae)  
**EUTRAPELA** Hübner, [1809]  
*Syndalimia* Hübner, [1821]  
*Abbottana* Hulst, 1896  
 6966 **clemataria** (J. E. Smith, 1797) (McD 5199) **17.16-19**  
*transducens* (Walker, 1860)  
*transferens* (Walker, 1860)  
*transfingens* (Walker, 1860)

- Curve-toothed geometer  
 Range.- I-IV (e. N.Am.: Que.-FL/WI-TX)  
 Dates.- Feb-May, Jul-Aug, Nov  
 Hosts.- *Acer* sp. (Aceraceae)  
*Bucida buceras* (Combretaceae)  
*Carya* sp. (Juglandaceae)  
*Castanea dentata* (Fagaceae)  
*Celastrus* sp., *C. scandens* (Celastraceae)  
*Clematis* sp., *C. reticulata* (Ranunculaceae)  
*Cornus florida* (Cornaceae)  
*Euphorbia pulcherrima* (Euphorbiaceae)  
*Malus pumila* (Rosaceae)  
*Prunus serotina* (Rosaceae)  
*Pyrrophappus carolinianus* (Compositae)  
*Pyrus communis* (Rosaceae)  
*Quercus* sp., *Q. alba*, *Q. velutina*, *Q. virginiana* (Fagaceae)  
*Salix* sp. (Salicaceae)  
*Sassafras albidum* (Lauraceae)  
*Schaefferia frutescens* (Celastraceae)  
*Tupidanthus calyptratus* (Araliaceae)  
*Ulmus* sp. (Ulmaceae)  
*Vaccinium macrocarpon* (Ericaceae)
- OXYDIA** Guenée, [1858]  
*Litbada* Walker, 1866  
 6967 **vesulia** (Cramer, 1779) (McD 5214) T  
 a) **transponens** (Walker, 1860) **18.22**  
*antilleana* (Prout, 1932)  
 Spurge spanworm  
 Range.- I-VIII (Gulf Coast: GA/FL-TX; West Indies; Mex.-S. Am.)  
 Dates.- Jan-Dec  
 Hosts.- *Acalypha wilkesiana* (Euphorbiaceae)  
*Citrus* sp., *C. grandis* (Rutaceae)  
*?Croton* sp. (Euphorbiaceae)  
*Triplaris* sp. (Polygonaceae)  
 6968 **cubana** (Warren, 1906) (McD 5214.1) T **19.1**  
 Cuban spanworm  
 Range.- IV-VIII (FL; Cuba)  
 Dates.- Jan-May, Oct-Dec  
 Hosts.- *?Rhizophora* sp. (Rhizophoraceae)  
 6969 **gueneei** (Warren, 1904) (McD --) T  
 Range.- IV-VI (FL?; Mex.)  
 Dates.- Jun, Oct (stray)  
 Hosts.- Unknown  
 6970 **nimbata** Guenée, [1858] (McD --) T  
*noctuitaria* Walker, 1860  
*vittigata* R. Felder & Rogenhofer, 1875  
 Range.- V (FL?; Mex.)  
 Dates.- Jun (stray)  
 Hosts.- Unknown  
 6972 **masthala** Druce, 1892 (McD --) T  
 Range.- V (FL?; Mex.)  
 Dates.- Feb, Dec (stray)  
 Hosts.- Unknown
- PATALENE** Herrich-Schäffer, 1854  
*Drepanodes* Guenée, [1858]  
*Halesa* Walker, 1860  
*Syssaura*.- auct. (not Hübner, [1819])  
 6974 **olyzonaria** (Walker, 1860) (McD 5186)  
*syzygiaria* (Hulst, 1886)  
*sesquilinea* (Grote, 1870)  
 b) **puber** (Grote & Robinson, 1867) **18.8**  
*varus* (Grote & Robinson, 1867)
- aquosus* (Grote & Robinson, 1867)  
*juniperaria* (Packard, 1871)  
*hortularia* (Hulst, 1886)  
*perizomaria* (Hulst, 1886)  
 Juniper geometer  
 Range.- I-VIII (e. U.S.: NH-FL/WI-TX) [so. subsp.]  
 Dates.- Jan-Dec  
 Hosts.- *Juniperus* sp. (Cupressaceae)  
 \*6974.1 **hamulata** (Guenée, [1858]) (McD 5185)  
 Range.- IV-VI (Florida)  
 Dates.- Jan, Mar-Jun, Dec  
 Hosts.- Unknown
- PROCHOERODES** Grote, 1883  
*Choerodes* Guenée, [1858], preocc. (Leidy, 1852)  
*Aeschropteryx* Butler, 1883  
 6982 **transversata** (Drury, 1770) (McD 5211)  
*goniata* (Guenée, [1858])  
*contingens* (Walker, 1860)  
*transposita* (Walker, 1860)  
*transfindens* (Walker, 1860)  
 a) **incurvata** (Guenée, [1858]) **18.17**  
*transvertens* (Walker, 1860)  
*transmutans* (Walker, 1860)  
 Large maple spanworm  
 Range.- I-VI (N.Am.: N.S.-FL/B.C.-TX) [so. subsp.]  
 Dates.- Jan-Jul, Sep-Dec  
 Hosts.- *Acer* sp. (Aceraceae)  
*Clethra alnifolia* (Clethraceae)  
*Comptonia peregrina* var. *asplenifolia* (Myricaceae)  
*Geranium* sp. (Geraniaceae)  
*Malus pumila* (Rosaceae)  
*Myrica* sp. (Myricaceae)  
*Pelargonium* sp. (Geraniaceae)  
*Polygonum* sp., *P. hydropiper* (Polygonaceae)  
*Prunus serotina*, *P. virginiana* (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Ribes sativum* (Saxifragaceae)  
*Salix* sp. (Salicaceae)  
*Vaccinium* sp. (Ericaceae)  
 grass? (Gramineae)
- NEPHELOLEUCA** Butler, 1883  
 6985 **politia** (Cramer, 1777) (McD 5212) T **17.20**  
 Range.- IV-VI (FL; TX; West Indies; [Mex.])  
 Dates.- Apr, Jun-Jul, Oct, Dec  
 Hosts.- Unknown  
 \*6986 **floridata** (Grote, 1883) (McD 5212.1) T **18.18**  
 Range.- IV-VI (Florida)  
 Dates.- Jan-Dec  
 Hosts.- Unknown
- SERICOPTERA** Herrich-Schäffer, 1856  
*Ripula* Guenée, [1858]  
 \*6994 **virginaria** (Hulst, 1886) (McD 4980) **18.1**  
*vestalis* (Hulst, 1898)  
*insularis* Warren, 1909  
 Range.- I-VIII (Florida)  
 Dates.- Jan-Oct, Dec  
 Hosts.- *Populus grandidentata*, *P. tremuloides* (Salicaceae)

**NEMATOCAMPA** Guenée, [1858]

7009 **resistaria** (Herrich-Schäffer, 1855) (McD 5044/5151)  
*limbata* (Haworth, 1809), preocc. (Linnaeus, 1767)

18.6

*vestitaria* (Herrich-Schäffer, 1855)  
*filamentaria* Guenée, [1858]  
*expunctaria* Grote, 1872  
*brunneolineata* (Hulst, 1900)  
 var. *chagnoni* (Swett, 1913)  
*orfordensis* Cassino & Swett, 1922

Horned spanworm

Range.- I-II (e. N.Am.: N.S.-FL/Alb.-TX)

Dates.- Apr-May

Hosts.- *Acer* sp., *A. saccharophorum* (Aceraceae)*Aesculus hippocastanum* (Hippocastanaceae)*Betula* sp., *B. populifolia* (Betulaceae)*Carya* sp. (Juglandaceae)*Castanea dentata* (Fagaceae)*Corylus* sp. (Betulaceae)*Crataegus* sp. (Rosaceae)*Fragaria chiloensis* (Rosaceae)*Humulus lupulus* (Cannabidaceae)*Ludwigia peruviana* (Onagraceae)*Malus ioensis*, *M. pumila* (Rosaceae)*Prunus* sp., *P. domestica* (Rosaceae)*Pyrus communis* (Rosaceae)*Quercus* sp., *Q. virginiana* (Fagaceae)*Ribes americanum*, *R. lacustre*, *R. sativum* (Saxi-  
fragaceae)*Robinia pseudoacacia* (Leguminosae)*Rosa* sp. (Rosaceae)*Rubus allegheniensis*, *R. idaeus* var. *strigosus* (Ro-  
saceae)*Sedum* sp. (Crassulaceae)*Tilia* sp. (Tiliaceae)7010 **baggettaria** Ferguson, 1993

*expunctaria*.- Kimball, 1965 (not Grote, 1872)

17.9

Range.- I-II (se. U.S.: NC-FL/LA)

Dates.- Apr-Sep

Hosts.- ?*Liquidambar styraciflua* (Hamamelidaceae)**GEOMETRINAE****NEMORIINI****NEMORIA** Hübner, [1818]*Racheospila* Guenée, [1858]*Aplodes* Guenée, [1858]*Hipparchiscus* Walsh, 1864*Eunemoria* Packard, 1873*Anaplodes* Packard, 1876*Annemoria* Packard, 18767028 **extremaria** (Walker, 1861) (McD 4034)

Range.- I-IV (Gulf Coast: FL-LA)

Dates.- Feb-Apr, Aug, Nov-Dec

Hosts.- Unknown

7029 **elfa** Ferguson, 1969

Range.- I-VI (s. U.S.: NC-FL/KY-TX)

Dates.- Feb-Dec

Hosts.- *Liquidambar styraciflua* (Hamamelidaceae)7031 **catachloa** (Hulst, 1898) (McD 4030)

19.2

Range.- II-IV (se. U.S.: GA-FL)

Dates.- Jan-Aug, Nov-Dec

Hosts.- Unknown

7032 **outina** Ferguson, 1969

Range.- I-VI (se. U.S.: [GA]-FL/AL)

Dates.- Jan-Mar, Aug, Nov-Dec

Hosts.- *Ceratiola ericoides* (Empetraceae)7033 **lixaria** (Guenée, [1858]) (McD 4029/

34.12-13, 15

4033/4036/ 4037)

*inclusaria* (Walker, 1861)*texana* (Hulst, 1889)*associaria* (Barnes & McDunnough, 1917)*knobelaria* (Cassino, 1927)

Range.- I-IV (e. U.S.: NJ-FL/AR-TX)

Dates.- Jan-Dec

Hosts.- *Quercus* sp., *Q. borealis* (Fagaceae)7034 **saturiba** Ferguson, 1969

Range.- I-I (se. U.S.: VA-FL/KY-TX)

Dates.- Mar-Sep

Hosts.- *Liquidambar styraciflua* (Hamamelidaceae)7045 **bifilata** (Walker, [1863]) (McD 4032/4046, part.) 19.3*abdominaria* (Barnes & McDunnough, 1917)

Range.- I-VI (e. U.S.: NY-FL/NE-TX)

Dates.- Jan, Mar-Jun Aug-Oct

Hosts.- *Rhus copallina* (Anacardiaceae)7046 **bistriaria** Hübner, [1818] (McD 4039/4046/4047)*rubrolinearia* (Packard, 1873)*brunnearia* (Packard, 1876)

Range.- I-II (e. N.Am.: CT-FL/IL-TX)

Dates.- Mar-Sep

Hosts.- *Betula nigra* (Betulaceae)*Juglans nigra* (Juglandaceae)*Quercus* sp. (Fagaceae)7048 **mimosaria** (Guenée, [1858]) (McD 4048)*tractaria* (Walker, 1861)*venustus* (Walsh, 1864)*latiaria* (Packard, 1873)*approximaria* (Packard, 1873)*coniferaria* (Packard, 1884)

Range.- I (e. N.Am.: N.S.-FL/Man.-TX)

Dates.- Mar-Apr

Hosts.- *Abies balsamea* (Pinaceae)*Acer saccharum* (Aceraceae)*Alnus* sp. (Betulaceae)*Betula alleghaniensis*, *B. papyrifera* (Betulaceae)*Carpinus caroliniana* (Betulaceae)*Crataegus* sp. (Rosaceae)*Fraxinus pennsylvanica* (Oleaceae)*Larix laricina* (Pinaceae)*Ostrya* sp. (Betulaceae)*Picea glauca* (Pinaceae)*Populus tremuloides* (Salicaceae)*Prunus virginiana* (Rosaceae)*Quercus alba*, *Q. rubra* (Fagaceae)*Salix* sp. (Salicaceae)*Sorbus* sp. (Rosaceae)*Tilia* sp. (Tiliaceae)*Tsuga canadensis* (Pinaceae)*Ulmus americana* (Ulmaceae)**PHRUDOCENTRA** Warren, 1895*Melochlora* Warren, 1901*Nesipola* Warren, 19097051 **centrifugaria** (Herrich-Schäffer, 1870) (McD

4081) T

34.16

*protractaria* (Herrich-Schäffer, 1870)*hollandaria* (Hulst, 1886)*jaspidiaria* (Hulst, 1886)*anomalaria* (Möschler, 1890)

*viridipurpurea* (Hulst, 1898)  
*heterospila* (Hampson, 1904)  
 Range.- II-VIII (FL; West Indies)  
 Dates.- Feb-Nov  
 Hosts.- Unknown

**DICHORDA** Warren, 1900

7053 **iridaria** (Guenée, [1858]) (McD 4082)

a) **latipennis** (Hulst, 1898) **34.18**  
*remotaria* (Walker, 1861)

Range.- I-VI (e. N.Am.: N.S.-FL/MO-TX) [se. subsp.]  
 Dates.- Jan-Dec  
 Hosts.- *Rhus* sp., *R. copallina*, *R. typhina* (Anacardiaceae)

**SYNCHLORINI****SYNCHLORA** Genée, [1858]

*Eunemoria* Packard, 1873  
 7058 **aerata** (Fabricius, 1798) (McD 4070)  
*glaucaria* (Guenée, [1858])  
*mimicata* (Walker, 1866)  
*rubivora* (Riley, 1869)  
*rubrifrontaria* Packard, 1873  
*gracilaria* (Packard, 1873)  
*rubivoraria* Packard, 1876, emend.  
*rufofrontaria* Gumpfenberg, 1895, missp.

Range.- I-IV (N.Am.: Newfd.-FL/B.C.-CA)  
 Dates.- Mar-Jun  
 Hosts.- *Ambrosia* sp. (Compositae)  
*Artemisia californica* (Compositae)  
*Aster* sp. (Compositae)  
*Cassia fasciculata* (Leguminosae)  
*Chilopsis linearis* (Bignoniaceae)  
*Chrysanthemum* sp. (Compositae)  
*Coreopsis* sp. (Compositae)  
*Erigeron canadensis* (Compositae)  
*Eriogonum fasciculatum* (Compositae)  
*Eupatorium* sp. *E. coelestinum* (Compositae)  
*Liatris* sp. (Compositae)  
*Malus pumila* (Compositae)  
*Melilotus officinalis* (Leguminosae)  
*Mentha spicata* (Labiatae)  
*Rubus allegheniensis*, *R. idaeus* var. *strigosus* (Rosaceae)  
*Rudbeckia hirta* (Compositae)  
*Salix* sp. (Salicaceae)  
*Solidago* sp. (Compositae)  
*Vernonia harperi* (Compositae)

7059 **frondaria** Guenée, [1858] (McD 4071/4072) **43.34**  
*denticularia* (Walker, 1861)  
*minuata* (Walker, 1866)  
*albicostaria* (Herrich-Schäffer, 1870)  
*excurvaria* Packard, 1872  
*pallida* (Warren, 1900)

Range.- I-VIII (U.S.: MD-FL/AR-CA; West Indies- S.Am.)  
 Dates.- Jan-Dec  
 Hosts.- *Ambrosia dumosa* (Compositae)  
*Bidens* sp. (Compositae)  
*Chrysanthemum* sp. (Compositae)  
*Glycine max* (Leguminosae)  
*Helianthus* sp., *H. annuus* (Compositae)  
*Heliopsis helianthoides* (Compositae)  
*Pluchea odorata* (Compositae)

*Prosopis glandulosa* (Leguminosae)  
*Rubus* sp. (Rosaceae)  
*Rudbeckia maxima*, *R. nitida* (Compositae)  
*Sphaeralcea incana* (malvaceae)  
*Stillingia* sp. (Euphorbiaceae)  
*Verbesina* sp. (Compositae)  
*Viguiera porteri* (Compositae)

7060.1 **xysteraria** (Hulst, 1886) (McD 4042) T **43.31**  
*gerularia*.- auct. (not Hübner, [1823])

Range.- I-VIII (FL; West Indies)  
 Dates.- Jan-Dec  
 Hosts.- ?*Litchi chinensis* (Sapindaceae)  
 ?*Mangifera indica* (Anacardiaceae)  
*Taraxacum officinale* (Compositae)

7061 **herbaria** (Fabricius, 1794) (McD 4043) T **43.32**  
*sitellaria* (Guenée, [1858])  
*congruata* (Walker, 1861)  
*hulstiana* Dyar, 1901

Range.- III-VIII (FL; West Indies)  
 Dates.- Jan-Dec  
 Hosts.- *Lantana camara* (Verbenaceae)  
*Phytolacca americana* (Phytolaccaceae)  
*Pisonia aculeata* (Nyctaginaceae)

7064 **cupedinaria** (Grote, 1880) (McD 4044) T **43.33**  
*louisia* Hulst, 1898  
*cupidenaria* Dyar, 1908, missp.

Range.- III-VIII (FL; West Indies)  
 Dates.- Jan-Jul, Sep-Dec  
 Hosts.- Unknown

**LOPHOCHORISTINI****EUEANA** Prout, 1912

7070 **niveociliaria** (Herrich-Schäffer, 1870) (McD 4104) T  
*saltusaria* (Hulst, 1886)

Range.- II-VIII (FL; Cuba)  
 Dates.- Jan-Feb, Apr, Aug-Dec  
 Hosts.- *Krugidendron ferreum* (Rhamnaceae)

**EUCROSTES** Hübner, [1823]

*Eucrostis* Hübner, [1826], missp.  
*Euchrostis* Zeller, 1872, emend.  
*Euchrostes* Gumpfenberg, 1887, emend.

7070.1 **dominicaria** Guenée, [1858] (McD 4108) T  
 Range.- VIII (FL; West Indies)  
 Dates.- (stray)  
 Hosts.- Unknown

**HEMITHEINI****CHLOROCHLAMYS** Hulst, 1896

7071 **chloroleucaria** (Guenée, [1858]) (McD 4095/4096)  
*indiscriminata* (Walker, [1863]) **34.21**  
*densaria* (Walker, [1863])  
*deprivata* (Walker, [1863])  
*desolataria* (Herrich-Schäffer, 1870)  
*flavilineata* (Riley, 1870)  
*rectilinea* (Zeller, 1872)

Blackberry looper  
 Range.- I-VIII (e. N.Am.: N.S.-FL/Man.-TX; West Indies-Mex.)

Dates.- Jan-Nov  
 Hosts.- *Achillea millefolium* (Compositae)  
*Ambrosia* sp. (Compositae)  
*Apocynum androsaemifolium* (Apocynaceae)  
*Aster* sp. (Compositae)



*Ceanothus* sp. (Rhamnaceae)  
*Chrysanthemum leucanthemum* (Compositae)  
*Dianthus* sp. (Caryophyllaceae)  
*Eupatorium perfoliatum* (Compositae)  
*Gutierrezia dracunculoides*, *G. texana* (Compositae)  
*Helenium autumnale* (Compositae)  
*Helianthus* sp. (Compositae)  
*Myrica asplenifolia* (Myricaceae)  
*Parthenium hysterophorus* (Compositae)  
*Prunus pensylvanica* (Rosaceae)  
*Rubus* sp. (Rosaceae)  
*Rudbeckia hirta* (Compositae)  
*Solidago* sp. (Compositae)  
*Vernonia* sp. (Compositae)  
*Zinnia* sp. (Compositae)

**CHLOROPTERYX** Hulst, 1896

7075 **tepperaria** (Hulst, 1886) (McD 4102) **34.19**  
 Range.- I-IV (se. U.S.: NJ-FL/KY-TX)  
 Dates.- Jan-Aug, Oct-Dec  
 Hosts.- *Rhus copallina* (Anacardiaceae)  
*Taxodium distichum* (Taxodiaceae)  
*Tsuga canadensis* (Pinaceae)  
 7077 **paularia** (Möschler, 1886) (McD 4093.1) T **34.20**  
*punctata* (Warren, 1904)  
 Range.- III-VIII (FL; West Indies)  
 Dates.- Jan-Dec  
 Hosts.- Unknown

**HETHEMIA** Ferguson, 1969

7084 **pistasciaria** (Guenée, [1858]) (McD 4086/4087/4088) **19.4-6**  
*euchloraria* (Guenée, [1858])  
*subcroceata* (Walker, 1862)  
*superata* (Walker, 1866)  
*gratata* (Packard, 1876)  
*dyarii* (Hulst, 1900)  
 a) **insecutata** (Walker, 1862)  
 Range.- I-VI (e. N.Am.: N.S.-FL/Man.-TX) [se. subsp.]  
 Dates.- Jan-Feb  
 Hosts.- *Betula* sp., *B. alleghaniensis*, *B. papyrifera* (Betulaceae)  
*Ostrya virginiana* (Betulaceae)  
*Quercus* sp., *Q. coccinea*, *Q. velutina*  
*Tilia americana* (Tiliaceae)  
*Vaccinium* sp. (Ericaceae)

**STERRHINAE****STERRHINI****EUMACRODES** Warren, 1905

*Euptychopoda* Prout, 1910  
 7086 **yponomeutaria** (Guenée, [1858]) (McD 4108.1) T  
*semidecora* (Walker, [1863])  
 Range.- VI (FL; West Indies)  
 Dates.- Jun  
 Hosts.- Unknown

**EUACIDALIA** Packard, 1873

*Obelopteryx* Warren, 1906  
 7087 **sericeara** Packard, 1873, (McD 4109) **19.7**  
*sericeata* auct., missp.  
*albescens* (Cassino, 1931)  
 Range.- VIII (s. U.S.: GA-FL/MO-AZ)  
 Dates.- Jun-Sep

Hosts.- Unknown

**LOBOCLETA** Warren, 1906

*Metasiopsis* Prout, 1910  
 7094 **ossularia** (Geyer, 1827) (McD 4115) **34.22**  
*ossulata* auct., missp.  
*sublataria* (Guenée, [1858])  
*temnaria* (Guenée, [1858])  
*magniferaria* (Walker, 1861)  
*favillifera* (Walker, 1866)  
*repletaria* (Walker, 1866)  
 Range.- I-VI (e. U.S.: MA-FL/MO-TX)  
 Dates.- Jan-Aug, Oct-Dec  
 Hosts.- *Fragaria chiloensis* (Rosaceae)  
*Galium* sp. (Rubiaceae)  
*Stellaria media* (Caryophyllaceae)  
*Trifolium* sp. (Leguminosae)  
 7097 **plemyraria** (Guenée, [1858]) (McD 4118/4119/4120/4123) **19.8**  
*balistaria* (Guenée, [1858])  
*balistraria* auct., missp.  
*perirrorata* (Packard, 1873)  
*rufescens* (Hulst, 1896)  
*morcararia* Dyar, 1923  
*helenia* (Cassino, 1931)  
 Range.- I-VIII (e. U.S.: NJ-FL/SD-TX)  
 Dates.- Jan-Dec  
 Hosts.- Unknown  
 7098 **lanceolata** (Hulst, 1896) (McD 4122) T  
 Range.- VI-VIII (FL; TX)  
 Dates.- Nov  
 Hosts.- Unknown  
 7100 **peralbata** (Packard, 1873) (McD 4124) **34.23**  
*longipennata* (Packard, 1873)  
 Range.- I-VI (Gulf Coast: GA/FL-TX)  
 Dates.- Jan-Aug, Dec  
 Hosts.- Unknown

**IDAEA** Treitschke, 1825

*Acidalia*.- Treitschke, 1825 (part, not Hübner, [1819])  
*Sterrha* Hübner, [1825]  
*Arrhostia* Hübner, [1825]  
*Pycitis* Hübner, [1825]  
*Ptychopoda* Curtis, 1826  
*Hyria* Stephens, 1829, preocc. (not Lamarck, 1819)  
*Ania* Stephens, 1831  
*Goniacidalia* Packard, 1873  
*Pythodora* Meyrick, 1886  
*Idoea* Cotes & Swinhoe, 1888, missp.  
*Janarda* Moore, 1888  
*Mnesterodes* Meyrick, 1889  
*Xenocentris* Meyrick, 1889  
*Argia* Gumpfenberg, 1890, preocc. (not Rambur, 1833)  
*Gnidia* Gumpfenberg, 1890, preocc. (not Koch, 1839)  
*Pelagia* Gumpfenberg, 1890, preocc. (not Péron & Lesuenr, 1810)  
*Aphrogeneia* Gumpfenberg, 1890  
*Androgrupos* Hampson, 1891  
*Carphoxera* Riley, 1891  
*Lophophleps* Hampson, 1891  
*Cnidia* Gumpfenberg, 1892, missp.

- Limeria* Staudinger, 1892  
*Synomila* Hulst, 1896  
*Ptenopoda* Hulst, 1896  
*Lophosis* Hulst, 1896  
*Hemipogon* Warren, 1897  
*Leptacme* Warren, 1897  
*Strophoptila* Warren, 1897  
*Brachyprota* Warren, 1897  
*Polygraphodes* Warren, 1897  
*Cacorista* Warren, 1899  
*Anteosis* Warren, 1900  
*Hydriogona* Warren, 1900  
*Neochrysa* Warren, 1900  
*Pogonogya* Warren, 1900  
*Prospasta* Warren, 1900  
*Cysteophora* Hulst, 1900  
*Thysanotricha* Warren, 1903  
*Pentapoda* Dyar, [1903], missp.  
*Deinopygia* Warren, 1904  
*Schematorhages* Warren, 1905  
*Lobura* Warren, 1906  
*Omopera* Warren, 1906  
*Argyroscelia* Warren, 1907  
*Pareupithex* Warren, 1907  
*Euphenolia* Grossbeck, 1907  
*Hirtheistes* Dognin, 1914  
\*7101 **minuta** (Schaus, 1901) (McD 4174)  
Range.- VI (Florida)  
Dates.- Nov-Dec  
Hosts.- Unknown  
7104 **microphysa** (Hulst, 1896) (McD 4178)  
Range.- I-III (Gulf Coast: [GA]/FL-TX)  
Dates.- Apr  
Hosts.- Unknown  
7105 **scintillularia** (Hulst, 1888) (McD 4179)  
*scintillaria* auct., missp.  
Range.- I-IV (se. U.S.: [GA]-FL/AR-TX)  
Dates.- Mar-Apr  
Hosts.- Unknown  
7106 **insulensis** (Rindge, 1958) (McD 4196.1) T  
Range.- VIII (FL; TX; [Mex.])  
Dates.- Jul-Oct  
Hosts.- Unknown  
7107 **pervertipennis** (Hulst, 1900) (McD 4604)  
Range.- I-IV (Gulf Coast: [GA]/FL-TX)  
Dates.- Jan, Mar-Apr, Aug, Dec  
Hosts.- Unknown  
7108 **furciferata** (Packard, 1873) (McD 4175/4201) **34.30**  
*parvularia* (Hulst, 1888)  
*furcifera* Rings & Rings, [1999], missp.  
Range.- I-V (se. U.S.: MD-FL/MO-TX)  
Dates.- Apr-May  
Hosts.- *Taraxacum officinale* (Compositae)  
*Trifolium* sp. (Leguminosae)  
7112 **productata** (Packard, 1876) (McD 4197/4198/4199) **19.23**  
*subochreatea* (Hulst, 1887)  
*australis* (Hulst, 1896)  
Range.- I (Atlantic/Gulf Coasts: NJ-FL-TX)  
Dates.- May-Jun  
Hosts.- Unknown  
7114 **demissaria** (Hübner, [1827-31]) (McD 418) **34.26**  
*inclusaria* (Walker, [1863])  
*ferrugata* (Packard, 1876)  
*russata* (Hulst, 1887)  
Range.- I-VI (e. N.Am.: Que.-FL/NE-TX)  
Dates.- Jan-Dec  
Hosts.- Unknown  
7115 **eremiata** (Hulst, 1887) (McD 4181) **19.17-18**  
*flavescens* (Hulst, 1896)  
Range.- I-IV (Gulf Coast: [GA]/FL-TX)  
Dates.- Mar-Apr  
Hosts.- Unknown  
\*7118 **hilliata** (Hulst, 1887) (McD 4184) **34.27**  
Range.- I-IV (Florida)  
Dates.- Mar-Apr  
Hosts.- Unknown  
7119 **micropterata** (Hulst, 1900) (McD 4187) **19.21**  
Range.- I-VI (Gulf Coast: [GA]/FL-TX)  
Dates.- Mar-Jul, Nov  
Hosts.- Unknown  
7120 **violacearia** (Walker, 1861) (McD 4186/4189/4194) **19.19-20**  
*lacteola* (Lintner, 1878)  
*lacteolata* auct., missp.  
*floridaria* (Hulst, 1888)  
*nimbicolor* (Hulst, 1896)  
*benubia* (Cassino, 1931)  
Range.- I-VIII (Gulf Coast: [GA]/FL-TX)  
Dates.- Jan-Jul, Oct-Dec  
Hosts.- Unknown  
7121 **ostentaria** (Walker, 1861) (McD 4188/4193)  
*marceata* (Cassino, 1931)  
Range.- I-VI (Gulf Coast: [GA]/FL-TX)  
Dates.- Feb-Nov  
Hosts.- Unknown  
7122 **tacturata** (Walker, 1861) (McD 4190) **34.28**  
*eburneata* auct. (not Guenée, [1858])  
*albidula* (Hulst, 1896)  
Range.- I-VIII (se. U.S.: SC-FL/[AR]-TX)  
Dates.- Jan-Dec  
Hosts.- *Trifolium* sp. (Leguminosae)  
7123 **obfusaria** (Walker, 1861) (McD 4115a/4191/4192)  
*obfustaria* auct., missp.  
*punctofimbriata* (Packard, 1873)  
*pimacoata* (Cassino, 1931)  
Range.- I-VI (e. U.S.: NJ-FL/MO-AZ)  
Dates.- May, Aug  
Hosts.- *Medicago sativa* (Leguminosae)  
*Solidago* sp. (Compositae)  
*Taraxacum officinale* (Compositae)  
*Trifolium* sp. (Leguminosae)  
\*7124 **retractaria** (Walker, 1861) (McD 4189, part/4196)  
*pallida* (Hulst, 1896)  
Range.- II-IV (Florida)  
Dates.- Jul, Nov  
Hosts.- Unknown

## COSYMBIINI

## PLEUROPRUCHA Möschler 1890

- Apallacta* Möschler, 1890  
*Deptalia* Hulst, 1896  
7132 **insulsaria** (Guenée, [1858]) (McD 4206) **43.41**  
*insularia* auct., missp.  
*placidaria* (Guenée, [1858])  
*invariata* (Walker, [1863])  
*persimilata* (Grote, [1863])  
Range.- I-VIII (e. N.Am.: N.S.-FL/NE-TX)  
Dates.- Jan-Dec  
Hosts.- *Acacia riparia* (Leguminosae)  
*Cassia fasciculata* (Leguminosae)

*Castanea dentata* (Fagaceae)  
*Celastrus scandens* (Celastraceae)  
*Galium* sp. (Rubiaceae)  
*Prosopis* sp. (Leguminosae)  
*Quercus* sp. (Fagaceae)  
*Salix* sp. (Salicaceae)  
*Solidago* sp. (Compositae)  
*Zea mays* (Gramineae)

7133 **asthenaria** (Walker, 1861) (McD 4206.1) T **19.26**  
*imparata* (Walker, [1863])

Range.- II-VIII (FL; West Indies)

Dates.- Apr-Oct

Hosts.- Unknown

#### CYCLOPHORA Hübner, 1822

*Cosymbia* Hübner, [1823]  
*Leucophthalmia* Hübner, [1823]  
*Codonia* Hübner, [1823]  
*Ephyra* Duponchel, 1829, preocc. (Peron & Lesueur, 1810)  
*Matella* Gistl, 1848  
*Zonosoma* Lederer, 1853  
*Eueuphyra* Packard, 1873

7134 **culicaria** (Guenée, [1858]) (McD 4207)

Range.- I-III (Atlantic Coast: NJ-FL)

Dates.- Apr-Jun, Aug

Hosts.- Unknown

7136 **packardi** (Prout, 1936) (McD 4209.2)  
*packardaria* Forbes, 1948, missp.

Range.- I-VI (e. U.S.: MA-FL/MO-TX)

Dates.- Feb-Aug, Oct

Hosts.- Unknown

7137 **myrtaria** (Guenée, [1858]) (McD 4209) **19.27**  
*ignotaria* (Walker, [1863])  
*triseriata* (Prout, 1936)

Range.- I-VI (e. U.S.: MA-FL/WI-TX)

Dates.- Jan-Dec

Hosts.- *Comptonia* sp., *C. peregrina* var. *asplenifolia* (Myricaceae)

*Gaylussacia dumosa*, *G. frondosa* (Ericaceae)  
*Psoralea psoraloides* (Leguminosae)  
*Quercus* sp. (Fagaceae)

\*7138 **benjamini** (Prout, 1936) (McD 4209.1)

Range.- II-VI (Florida)

Dates.- Mar-Oct, Dec

Hosts.- Unknown

7140 **nanaria** (Walker, 1861) (McD 4212) T **19.28**  
*nanularia* (Herrich-Schäffer, 1870)  
*serrulata* (Packard, 1873)  
*obscura* (Druce, 1898)

Range.- I-VIII (Atlantic/Gulf Coasts: NJ-FL-TX; West Indies; [Mex.])

Dates.- Jan-Sep, Dec

Hosts.- *Acacia* sp. [flower heads] (Leguminosae)

*Ageratum conyzoides* (Compositae)

*Borreria* sp. (Rubiaceae)

*Encelia californica* (Compositae)

#### TIMANDRINI

**HAEMATOPIS** Hübner, [1823]

*Haematopsis* auct., missp.

7146 **grataria** (Fabricius, 1798) (McD 4204)  
*saniaria* Hübner, [1823]  
*successaria* (Walker, 1860)

f. *annettearia* Haimbach, 1907

Chickweed geometer

Range.- I-II (N.Am.: Ont.-FL/B.C.-TX)

Dates.- Aug

Hosts.- *Cerastium arvense*, *C. viscosum* (Caryophyllaceae)

*Ilex glabra* (Aquifoliaceae)

*Polygonum aviculare*, *P. hydropiper*, *P. oxyspermum raii* (Polygonaceae)

*Stellaria media* (Caryophyllaceae)

*Trifolium* sp. (Leguminosae)

#### TIMANDRA Duponchel, 1829

*Erastria* Hübner, [1806], suppr. (ICZN Op. 97)

*Bradyepetes* Stephens, 1831

*Calothysanis*.- auct. (not Hübner, [1823])

*Bradyepetes* Agassiz, [1847], emend.

7147 **amaturaria** Walker, 1866 McD 4205) **19.25**  
*effusaria* (Prout, 1936)

Range.- I-II (e. U.S.: MA-FL/KS-TX)

Dates.- May-Sep

Hosts.- *Fagopyrum sagittatum* (Polygonaceae)

*Polygonum scandens* var. *cristatum* (Polygonaceae)

*Rumex* sp. (Polygonaceae)

#### SCOPULINI

**ACRATODES** Guenée, [1858]

\*7148 **suavata** (Hulst, 1900) (McD 4135/4136/4137) T

*fusaria* (Hampson, 1903)

*roseicosta* (Barnes & McDunnough, 1913)

*davisi* (Grossbeck, 1917)

Range.- IV-VIII (FL; TX; [Mex.])

Dates.- Mar-Dec

Hosts.- *Randia aculeata* (Rubiaceae)

#### SCOPULA Schrank, 1802

*Sphecodes* Hübner, 1822, preocc. (not Latrielle, 1804)

*Acidalia*.- Treitschke, 1823 (not Hübner, [1819])

*Calothysanis* Hübner, [1823]

*Leptomeris* Hübner, [1825]

*Craspedia* Hübner, [1825]

*Dosithea* Duponchel, 1829

*Dositheoa* Rambur, 1833, missp.

*Sarodria* Sodoffshy, 1837, repl. name

*Acidalia* Bruand, 1946, redesc.

*Cymatida* Sodoffsky, 1837

*Csopula* Fischer von Röslerstamm, 1842, missp.

*Cymatoides* Agassiz, [1847]

*Sothria* Agassiz, [1847], emend.

*Pylarge* Herrich-Schäffer, 1855

*Phyletis* Guenée, [1858]

*Lycauges* Butler, 1879

*Trichoclada* Meyrick, 1886

*Runeca* Moore, 1888

*Longula* Staudinger, 1892

*Synelys* Hulst, 1896

*Induna* Warren, 1897

*Acidalina* Staudinger, 1898

*Pleionocentra* Warren, 1898

- Chlorocraspedia* Warren, 1899  
*Lipocentris* Warren, 1905  
*Psilephyra* Bastelberger, 1909  
*Holarctias* Prout, 1913  
*Ustocidalia* Sterneck, 1832  
7149 **lautaria** (Hübner, 1831) (McD 4167) **34.25**  
*myrmidonata* (Guenée, [1858])  
*minutularia* (Hulst, 1880)  
Range.- I-VI (se. U.S.: SC-FL/[AR]-TX)  
Dates.- Jan-Dec  
Hosts.- *Trifolium* sp. (Leguminosae)  
7151 **aemulata** (Hulst, 1896) (McD 4141/4164) **34.24**  
*tawneata* (Cassino, 1931)  
Range.- I-VI (Gulf Coast: [GA]/FL-TX)  
Dates.- Jan-Dec  
Hosts.- *Taraxacum* sp. (Compositae)  
*Trifolium* sp. (Leguminosae)  
7152 **compensata** (Walker, 1861) (McD 4161) **19.10-11**  
*obluridata* (Hulst, 1887)  
Range.- I-VI (se. U.S.: SC-FL/[AR]-TX)  
Dates.- Jan-Dec  
Hosts.- Unknown  
7153 **apparitaria** (Walker, 1861) (McD --) T  
*responsaria* (Walker, 1861)  
*floccularia* (Herrich-Schäffer, 1870)  
*atomaria* (Warren, 1897)  
*approbata* (Warren, 1900)  
*trias* (Warren, 1904)  
*ab. ticta* (Warren, 1904)  
Range.- II-VIII (FL; West Indies; C. Am.-Bolivia)  
Dates.- Jan-Dec?  
Hosts.- Unknown  
7154 **plantagenaria** (Hulst, 1887) (McD 4165) **19.13**  
*canthema* (Schaus, 1901)  
*hieronyma* Prout, 1922  
Range.- I-IV (U.S.: NY-FL/KS-TX/UT-CA)  
Dates.- Mar, Jun  
Hosts.- Unknown  
7156 **umbilicata** (Fabricius, 1794) (McD 4162) T **19.12**  
*indoctaria* (Walker, 1861)  
*nigroapicata* (Thierry-Mieg, 1892)  
*crenatilinea* (Warren, 1901)  
*cugia* (Schaus, 1901)  
*peruviana* Prout, 1922  
Range.- I-VIII (U.S.: GA-FL/IL-AZ; Mex.-S.Am.)  
Dates.- Mar-Aug, Oct-Dec  
Hosts.- Unknown  
7158 **purata** (Guenée, [1858]) (McD 4166/4166.1)  
*nigrocandida* (Hulst, 1898)  
Range.- I-III (Atlantic/Gulf Coasts: MA-FL-MS)  
Dates.- Jun-Jul, Oct  
Hosts.- Unknown  
7159 **limboundata** (Haworth, 1809) (McD 4142/4149)  
*alabastaria* auct., missp. (not *alabastraria* Hübner, 1816)  
*f. enucleata* (Guenée, [1858])  
*restrictata* (Walker, 1861)  
*reconditaria* (Walker, 1861)  
*mensurata* (Walker, 1866)  
*continuaria* (Walker, 1866)  
*nigrodiscallis* (Hulst, 1898)  
*f. relevata* (Swett, 1907)  
*adornata* (Prout, 1907)  
Range.- I-II (N.Am.: Newfd.-FL/Alb.-NM)  
Dates.- Mar-May, Aug-Sep, Nov  
Hosts.- *Galium* sp. (Rubiaceae)  
*Malus pumila* (Rosaceae)  
*Prunus serotina* (Rosaceae)  
*Pyrus* sp. (Rosaceae)  
*Rhexia lutea* (Melastomaceae)  
*Trifolium* sp. (Leguminosae)  
*Vaccinium* sp. (Ericaceae)  
\*7160 **timandrata** (Walker, 1861) (McD 4159) **19.9**  
*rufilnearia* (Walker, 1861)  
Range.- II-IV (Florida)  
Dates.- Feb-Apr, Jun-Jul, Sep-Nov  
Hosts.- Unknown  
7161 **ordinata** (Walker, 1861) (McD 4160)  
*puraria* (Walker, 1861)  
*candidaria* (Packard, 1873)  
Range.- I-III (se. U.S.: NC-FL/GA-TX)  
Dates.- Jun, Sep  
Hosts.- Unknown  
7169 **inductata** (Guenée, [1858]) (McD 4158) **19.14-15**  
*anticaria* (Walker, 1860)  
*suppressaria* (Walker, 1862)  
*consecutaria* (Walker, 1866)  
*f. sobria* (Walker, 1866)  
*delicata* (Cassino, 1931)  
*oliveata* (Cassino, 1931)  
Range.- I-II (N.Am.: Newfd.-FL/B.C.-AZ)  
Dates.- Apr-Oct  
Hosts.- *Ambrosia trifida* (Compositae)  
*Aster* sp. (Compositae)  
*Prunus* sp. (Rosaceae)  
*Trifolium* sp. (Leguminosae)  
**19.13 LEPTOSTALES** Möschler, 1890  
*Xystrota* Hulst, 1896  
*Scelolophia* Hulst, 1896  
*Calyptocome* Warren, 1900  
*Wauchula* Hulst, 1900  
7173 **pannaria** (Guenée, [1858]) (McD 4125) T **43.35**  
*tremularia* (Walker, [1863])  
*purpurissata* (Grote, 1871)  
*formosa* (Hulst, 1896)  
*borrigaria* (Warren, 1906)  
Range.- I-VIII (e. U.S.: NJ-FL/TN-TX; West Indies)  
Dates.- Jan-Dec  
Hosts.- *Vigna sinensis* (Leguminosae)  
7174 **crossii** (Hulst, 1900) (McD 4126) T **43.38**  
*crossi* auct., missp.  
Range.- I-VI (se. U.S.: SC-FL/AR-TX; West Indies)  
Dates.- Jan-Feb, Apr-Dec  
Hosts.- *Lantana involucrata* (Verbenaceae)  
7175 **hepaticaria** (Guenée, [1858]) (McD 4127/4128) **43.36**  
*purpurascens* (Hulst, 1900)  
Range.- II-VI (Atlantic/Gulf Coasts: MD-FL-LA)  
Dates.- Jan-Dec  
Hosts.- Unknown  
\*7176 **rubrotincta** (Hulst, 1900) (McD 4129)  
Range.- IV (Florida)  
Dates.- Mar-Apr  
Hosts.- Unknown  
7177 **laevitaria** (Geyer, 1837) (McD 4131) **43.39**  
*floridata* (Packard, 1873)  
Range.- I-VIII (Gulf Coast: FL-TX)  
Dates.- Jan-Dec  
Hosts.- Unknown  
7178 **oblinataria** Möschler, 1890 (McD --) T

- scintillans* (Warren, 1904)  
 Range.- VIII (FL; West Indies)  
 Dates.- (stray)  
 Hosts.- Unknown  
 7179 **rubromarginaria** (Packard, 1871) (McD 4134)  
*erythrata* (Hulst, 1880)  
*volucrata* (Hulst, 1887)  
*rubromarginata* auct., missp.  
 Range.- I (N.Am.: Que.-FL/B.C.-TX)  
 Dates.- Apr  
 Hosts.- Unknown  
 7180 **ferruminaria** (Zeller, 1872) (McD 4134, part)  
 Range.- I-IV (Gulf Coast: FL-TX)  
 Dates.- Mar  
 Hosts.- Unknown

**LOPHOSIS** Hulst, 1896

- 7181 **labeculata** (Hulst, 1887) (McD 4168/4202) **19.24**  
*roseotincta* (Hulst, 1896) **43.37, 40**  
 Range.- I-VI (Atlantic/Gulf Coasts: NJ-FL-TX)  
 Dates.- Jan-Aug, Oct-Dec  
 Hosts.- Unknown

**LARENTIINAE****CIDARIINI****EULITHIS** Hübner, 1821

- Lygris* Hübner, [1825]  
*Euphia* Hübner, [1825]  
*Steganolophia* Stephens, 1829  
*Phylace* Hulst, 1896  
*Neolexia* Hulst, 1896  
 7196 **diversilineata** (Hübner, [1813]) (McD 4401) **34.36**  
 Lesser grapevine looper  
 Range.- I-VI (N.Am.: Que.-FL/B.C.-CA)  
 Dates.- Mar-Jul, Oct-Nov  
 Hosts.- *Hedera helix* (Araliaceae)  
*Malus pumila* (Rosaceae)  
*Parthenocissus quinquefolia* (Vitaceae)  
*?Prunus* sp. (Rosaceae)  
*?Pyrus communis* (Rosaceae)  
*?Quercus* sp. (Fagaceae)  
*Rosa* sp. (Rosaceae)  
*Ulmus* sp. (Ulmaceae)  
*Vaccinium* sp. (Ericaceae)  
*Vitis* sp. (Vitaceae)  
 7197 **gracilineata** (Guenée, [1858]) (McD 4401.1) **34.37**  
 Greater grapevine looper  
 Range.- I-VI (e. N.Am.: N.S.-FL/Sask.-TX)  
 Dates.- Mar-Jul, Nov-Dec  
 Hosts.- *Parthenocissus quinquefolia* (Vitaceae)  
*Vitis* sp. (Vitaceae)

**ECLIPTOPERA** Warren, 1894

- Diactinia* Warren, 1898  
 7214 **atricolorata** (Grote & Robinson, 1867) (McD 4409) **19.30**  
*atrocolorata* auct., missp.  
 Range.- I (e. N.Am.: Que.-FL/MO-MS)  
 Dates.- May  
 Hosts.- Unknown

**HYDRIOMENINI****HYDRIOMENA** Hübner, [1825]

*Ypsipetes* Stephens, 1829

*Hypsipetes* Stephens, 1831, emend. preocc.  
 (Vigors, 1831)

*Karacidaria* Matsumura, 1925

- 7237 **transfigurata** Swett, 1912 (McD 4477.1)  
 Range.- I-III (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- Feb-Apr  
 Hosts.- *Pinus* sp. (Pinaceae)  
 7239 **pluviata** (Guenée, 1847) (McD 4477)  
 a) **meridianata** McDunnough, 1954  
 Range.- I-III (e. U.S.: ME-FL/KS-TX) [so. subsp.]  
 Dates.- Jan-Mar  
 Hosts.- *Alnus* sp. (Betulaceae)

**RHEUMAPTERINI****TRIPHOSA** Stephens, 1829

- Umbrosina* Bruand, [1847]  
 7286 **affirmata** (Guenée, [1858]) (McD --)  
 Range.- I (N.Am.: Labr.-FL/B.C.-TX)  
 Dates.- May-Sep (stray)  
 Hosts.- Unknown

**CORYPHISTA** Hulst, 1896

- 7290 **meadii** (Packard, 1874) (McD 4248)  
*f. badiaria* (H. Edwards, 1885)  
*optimata* (Strecker, 1899)  
*meadi* auct., missp.  
 Barberry geometer  
 Range.- I-III (U.S.: ME-FL/WI-TX-CA)  
 Dates.- Aug  
 Hosts.- *Berberis thunbergii*, *B. vulgaris* (Berberidaceae)  
*Mahonia aquifolium* (Berberidaceae)

**RHEUMAPTERA** Hübner, [1822]

- Rheumaptera* Hübner, [1806], suppr. (ICZN Op. 97)  
*Hydria* Hübner, [1806], suppr. (ICZN Op. 97)  
*Hydria* Hübner, 1822  
*Eulype* Hübner, [1825]  
*Calocalpe* Hübner, [1825]  
*Eulypa* Hübner, 1826  
*Melanippe* Duponchel, 1829  
*Eucosmia* Stephens, 1831  
*Callicalpe* Agassiz, [1847], emend.  
*Rheumatoptera* Gumpfenberg, 1887  
*Eutriphosa* Gumpfenberg, 1887  
*Rhumaptera* Kirby, 1897, missp.  
*Xenospora* Warren, 1903  
 7292 **prunivorata** (Ferguson, 1955) (McD --)  
 Range.- I (N.Am.: Labr.-FL/B.C.-TX)  
 Dates.- Mar  
 Hosts.- *Prunus serotina* (Rosaceae)  
*Rhododendron* sp. (Ericaceae)  
*Salix* sp. (Salicaceae)  
*Spiraea* sp. (Rosaceae)

**ARCHIRHOE** Herbulot, 1951

- Camptogramma*.- auct. (not Stephens, 1831)  
 7295 **neomexicana** (Hulst, 1896) (McD 4567) T **20.3**  
*elisata* (Strecker, 1899)  
 Range.- IV-VI (s. U.S.: FL-NM; Mex.)  
 Dates.- (stray)  
 Hosts.- Unknown

**PTEROCYPHA** Herrich-Schäffer, [1855]  
 7299 **floridata** (Walker, [1863]) (McD 4570/4571) T **20.1-2**  
*decertaria* (Herrich-Schäffer, 1870)  
*australata* (Hulst, 1886)  
 Range.- II-VIII (FL; West Indies)  
 Dates.- Jan-Apr, Jul-Oct, Dec  
 Hosts.- Unknown

**HAMMAPTERA** Herrich-Schäffer, [1855]  
 7314 **parinotata** (Zeller, 1872) (McD 4566) **16.1**  
 Range.- I-VIII (Gulf Coast: FL-TX)  
 Dates.- Jan-May, Aug-Oct, Dec  
 Hosts.- Unknown

### LARENTIINI

**ANTICLEA** Stephens, 1831  
*Earophila* Gumpenberg, 1887  
*Laurentia* W. S. Wright, 1916, preocc. (not Ragonot, 1888)  
 7330 **multiferata** (Walker, [1863]) (McD 4561) **34.35**  
 Range.- I (N.Am.: Labr.-FL/Yuk.-TX)  
 Dates.- Mar-Apr  
 Hosts.- *Epilobium* sp. (Onagraceae)  
*Polygonum aviculare* (Polygonaceae)

### XANTHORHOINI

**XANTHORHOE** Hübner, 1825]  
*Malenydris* Hübner, [1825]  
*Ochyria* Hübner, [1825]  
*Malengris* Hübner, 1826, missp.  
*Coremia* Guenée, 1845, preocc. (Audinet-Serville, 1834)  
*Boremia* Bruand, 1846, missp.  
*Xanthorrhoe* Warren, 1893, missp.  
*Melanydris* Hulst, 1896, missp.  
*Xantorrhoea* Pagenstecher, 1909  
 7390 **lacustrata** (Guenée, [1858]) (McD 4509)  
 Range.- I (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- Mar, Aug-Sep  
 Hosts.- *Betula* sp. (Betulaceae)  
*Crataegus* sp. (Rosaceae)  
*Impatiens* sp. (Balsaminaceae)  
*Rubus* sp., *R. allegheniensis*, *R. idaeus* v. *strigosus* (Rosaceae)  
*Salix* sp. (Salicaceae)

**ORTHONAMA** Hübner, [1825]  
*Plemyria* Hübner, [1825], preocc. (not Hübner, [1825])  
*Orthonoma* Hübner, 1826, missp.  
*Nyctosea* Hulst, 1896  
*Nyctosia* Edelsten, 1939, missp.  
*Percnoptilota* Hulst, 1896  
*Orthonamma* Knudson & Bordelon, 1999, missp.  
 7414 **obstipata** (Fabricius, 1794) (McD 4535) **34.32-33**  
*fluviata* (Hübner, [1796-99])  
*gemmata* (Hübner, [1796-99])  
*angustata* (Haworth, 1809)  
*albicinctata* (Haworth, 1809)  
*gemmaria* (Boisduval, 1840)  
*lapillata* (Guenée, [1858])  
*baccata* (Guenée, [1858])  
*exagiata* (Walker, 1862)

*intrusata* (Walker, 1862)  
*peracutata* (Walker, 1862)  
*obruptata* (Walker, [1863])  
*signataria* (Walker, [1863])  
*alternata* (Walker, 1866)  
*pigrata* (Walker, 1866)  
*brunneipennis* (Hulst, 1896)  
*marginata* (Mathew, 1906)  
*obsoleta* (Mathew, 1906)  
*olivacea* (Mathew, 1906)  
*mortuaria* (Schaus, 1908)  
 Gem geometer  
 Range.- I-VIII (N.Am.: Newfd.-FL/AK-CA; Mex.-S.Am.; Europe to Japan)  
 Dates.- Jan-Dec  
 Hosts.- *Anthemis cotula* (Compositae)  
*Chrysanthemum* sp. (Compositae)  
*Polygonum* sp., *P. hydropiper*, *P. persicaria* (Polygonaceae)  
*Rumex* sp. (Polygonaceae)  
*Senecio* sp. (Compositae)  
*Ulmus* sp. (Ulmaceae)

**COSTACONVEXA** Agenjo, 1949  
*Grammorhoe* Herbulot, 1951  
*Costaconvexa* Agenjo, 1952, redesc.  
 7416 **centrostrigaria** (Wollaston, 1858) (McD 4559) **34.34**  
*mediata* (Walker, 1862)  
*latirupta* (Walker, 1866)  
*luscinata* (Zeller, 1873)  
*interruptata* (Rebel, 1894)  
*paranensis* (Schaus, 1901)  
*custodiata*.- (Warren, 1905) (not Guenée, [1858])  
 Range.- I-VI (e. N.Am.: Que.-FL/B.C.-TX; S.Am.; Madeira)  
 Dates.- Feb-Nov  
 Hosts.- *Polygonum* sp., *P. aviculare*, *P. hydropiper* (Polygonaceae)

**DISCLISIOPROCTA** Wallengren, 1861  
*Camptogramma*.- auct., not Stephens, 1831  
*Camptolina* Schaus, 1940  
 7417 **stellata** (Guenée, [1858]) (McD 4572) T **16.2**  
*fuscovariata* (Wallengren, 1860)  
*impauperata* (Walker, 1862)  
*balteolata* (Herrich-Schäffer, 1865)  
*albospinosa* (Packard, 1873)  
*foedata* (Warren, 1900)  
 Range.- I-VIII (e. N.Am.: N.S.-FL/MI-TX; West Indies; Mex.-S. Am.)  
 Dates.- Jan-Dec  
 Hosts.- *Amaranthus* sp. (Amaranthaceae)  
*Boerhavia erecta* (Nyctaginaceae)  
*Pisonia aculeata* (Nyctaginaceae)

### ASTHENINI

**VENUSIA** Curtis, 1839  
*Nomenia* Pearsall, 1905  
*Venulia* Pagenstecher, 1909, missp.  
 7428 **comptaria** (Walker, 1860) (McD 4592)  
*perlineata* (Packard, 1874)  
*salienta* (Pearsall, 1905)  
 f. *palumbes* Franclemont, 1938

Range.- I (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Apr (stray)  
 Hosts.- *Alnus* sp. (Betulaceae)  
           *Betula* sp. (Betulaceae)  
           *Fagus* sp. (Fagaceae)

**EDULINI****EUBAPHE** Hübner, [1823]

*Edule*.- auct. (not Hübner, [1823])  
*Ameria* Walker, 1854  
*Euphanessa* Packard, 1864  
*Leptidule* Butler, 1877  
 7440 **mendica** (Walker, 1854) (McD 4599)  
           *biseriata* (Herrich-Schäffer, [1855])

Range.- I-III (N.Am.: N.S.-FL/B.C.-TX)  
 Dates.- Mar-Apr, Jun  
 Hosts.- *Acer* sp. (Aceraceae)  
           *Viola* sp. (Violaceae)  
 7441 **meridiana** (Slosson, 1889) (McD 4600)  
 Range.- I-III (e. N.Am.: NY-FL/KY-TX)  
 Dates.- Jan-Jun, Nov-Dec  
 Hosts.- Unknown

**EUPITHECINI****HORISME** Hübner, [1825]

7445 **intestinata** (Guenée, [1858]) (McD 4393)  
           *indoctrinata* (Walker, [1863])  
           *impleta* (Walker, 1866)  
 Range.- I (N.Am.: Que.-FL/B.C.-TX)  
 Dates.- Mar-Apr  
 Hosts.- Unknown

**EUPITHECIA** Curtis, 1825

*Tephrocystia* Hübner, [1825]  
*Dyscymatoge* Hübner, [1825]  
*Tarachia* Hübner, [1825]  
*Leucocora* Hübner, [1825]  
*Arcyonia* Hübner, [1825]  
*Eucymatoge* Hübner, [1825]  
*Hypirritis* Hübner, [1825]  
*Dietzea* Schütze, 1956  
*Petersenia* Schütze, 1958  
*Bohatschia* Schütze, 1960

\*7451 **slossonata** McDunnough, 1949 (McD 4287.1)

Range.- III (Florida)  
 Dates.- Feb  
 Hosts.- Unknown

7474 **miserulata** Grote, [1863] (McD 4266)  
           *nebulosa* (Hulst, 1896)  
           *plumbaria* (Hulst, 1900)  
           *grossbeckiata* Swett, 1907

Range.- I-VI (e. N.Am.: Ont.-FL/IL-TX-CA)  
 Dates.- Jan-Jun, Aug-Dec  
 Hosts.- *Amelanchier canadensis* (Rosaceae)  
           *Aster* sp. (Compositae)  
           *Chamaecyparis thyoides* (Cupressaceae)  
           *Eupatorium pupureum* (Compositae)  
           *Juniperus* sp., *J. communis*, *J. virginiana*  
           (Cupressaceae)  
           *Larix laricina* (Pinaceae)  
           *Myrica* sp. (Myricaceae)  
           *Prunus serotina* (Rosaceae)  
           *Ptelea trifoliata* (Rutaceae)  
           *Quercus* sp. (Fagaceae)

*Rhexia virginica* (Melastomaceae)  
*Ribes sativum* (Saxifragaceae)  
*Rubus idaeus* v. *strigosus* (Rosaceae)  
*Rudbeckia* sp. (Compositae)  
*Salix* sp. (Salicaceae)  
*Solidago* sp. (Compositae)  
*Taraxacum* sp. (Compositae)  
*Taxus baccata* (Taxaceae)  
*Vaccinium macrocarpum* (Ericaceae)  
*Zizia aurea* (Umbelliferae)

7486 **jejunata** McDunnough, 1949 (McD 4275.1) **19.29**

Range.- I-IV (se. U.S.: NC-FL/MO-TX)  
 Dates.- Jan-Apr, Nov  
 Hosts.- Unknown

**LOBOPHORINI****ACASIS** Duponchel, 1844

*Cysteoteryx* Hulst, 1896  
*Agia* Hulst, 1896  
 7635 **viridata** (Packard, 1873) (McD 4221)  
           *eborata* (Hulst, 1896)

Range.- II-IV (N.Am.: Labr.-FL/Yuk.-WI)  
 Dates.- Mar-May  
 Hosts.- *Viburnum cassinoides* (Caprifoliaceae)

**HETEROPHLEPS** Herrich-Schäffer, 1854

*Heterophelps* Packard, 1876, missp.  
*Lygranoa* Butler, 1878  
*Dysethia* Hulst, 1895  
*Nannia* Hulst, 1896  
 7647 **triguttaria** Herrich-Schäffer, 1854 (McD 4233)  
           *quadrinotata* (Walker, [1863])  
           *hexaspilata* (Walker, 1866)

Range.- I (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Apr  
 Hosts.- *Acer* sp. (Aceraceae)

**DYSPTERIS** Hübner, 1818

7648 **abortivaria** (Herrich-Schäffer, [1855]) (McD 4234)  
 Range.- I-VI (e. N. Am: N.S.-FL/Alb.-TX) **34.31**  
 Dates.- Jan-Aug  
 Hosts.- *Parthenocissus quinquefolia* (Vitaceae)  
           *Prunus serotina* (Rosaceae)  
           *Vitis* sp. (Vitaceae)

[EPIPLEMIDAE, 7649-7656: see p. 336]

**PAPILIONOIDEA**  
**Series HESPERIIFORMES**  
**HESPERIIDAE**

**PYRGINAE**

**PHOCIDES** Hübner, [1819]

*Erycides* Hübner, [1819]

*Dysenius* Scudder, 1872

3865 **pigmalion** (Cramer, 1779) T

\* a) **okeechobee** (Worthington, 1881) (McD 477)  
*batabano*.— auct. (not Lucas, 1857)

Mangrove skipper

Range.— III-VIII (FL; West Indies; Mex.-Argentina [ssp.]

Dates.— Jan-Dec

Hosts.— *Rhizophora mangle* (Rhizophoraceae)

**PROTEIDES** Hübner, [1819]

*Dicranaspis* Mabilie, 1878

3868 **mercurius** (Fabricius, 1787) (McD 482) T

a) **sanantonio** (Lucas, 1857)

Mercurial skipper

Range.— II-VIII (FL; West Indies; Mex.-Argentina [ssp.]

Dates.— May (stray)

Hosts.— *Cassia* sp. (Leguminosae)

*Derris elliptica* (Leguminosae)

*Ecastaphyllum* sp. (Leguminosae)

*Muellera* sp., *M. moniliformis* (Leguminosae)

*Rhynchosia* sp. (Leguminosae)

*Vigna* sp. (Leguminosae)

**EPARGYREUS** Hübner, [1819]

*Eridamus* Burmeister, 1875

3869 **zestos** (Geyer, 1832) (McD 483) T

*oberon* (Worthington, 1881)

*arsaces* (Mabilie, 1903)

Rusty skipper; Zestos skipper

Range.— III-VIII (FL; West Indies)

Dates.— Jan-Dec

Hosts.— *Galactia striata* (Leguminosae)

3870 **clarus** (Cramer, 1775) (McD 484)

*tityrus* (Fabricius, 1775), preocc. (Poda, 1761)

ab. *obliteratus* Scudder, 1889

ab. *smythi* R. C. Williams, 1927

*argentosus* Hayward, 1933

*argenteola* (Matsumura, 1940)

Silver-spotted skipper

Range.— I-VIII (N.Am.: N.S.-FL/B.C.-CA; Mex.)

Dates.— Jan-Dec

Hosts.— *Acacia* sp. (Leguminosae)

*Amorpha fruticosa* (Leguminosae)

*Amphicarpaea bracteata*, *A. monoica* (Leguminosae)

*Apios americana* (Leguminosae)

*Astragalus* sp. (Leguminosae)

*Desmodium canadense*, *D. glabellum*, *D. mari-*

*landicum*, *D. nudiflorum*, *D. paniculatum*, *D.*

*rotundifolium* (Leguminosae)

*Gleditsia* sp. (Leguminosae)

?*Hosackia grandiflora* (Leguminosae)

*Lathyrus paluster* (Leguminosae)

*Lespedeza capitata* (Leguminosae)

*Phaseolus perennis* (Leguminosae)

*Pueraria lobata* (Leguminosae)

*Robinia* sp., *R. hispida*, *R. neomexicana*, *R. pseud-*  
*oacacia*, *R. viscosa* (Leguminosae)

*Wisteria frutescens*, *W. sinensis* (Leguminosae)

**POLYGONUS** Hübner, [1825]

*Acolastus* Scudder, 1872

*Nennius* Kirby, [1902]

3872 **leo** (Gmelin, 1790) (McD 481) T

*amyntas* (Fabricius, 1775), preocc. (Poda, 1761)

a) **savigny** (Latreille, [1824])

f. *arizonensis* (Skinner, 1911)

f. *pallida* Röber, 1925

*histrio* Röber, 1925

Hammock skipper; Violet skipper

Range.— IV-VIII (FL; West Indies; TX-CA; Mex.-Argenti-  
na)

Dates.— Jan-Dec

Hosts.— *Derris elliptica* (Leguminosae)

*Lonchocarpus sericeus* (Leguminosae)

*Piscidia piscipula* (Leguminosae)

*Pongamia pinnata* (Leguminosae)

**URBANUS** Hübner, [1807]

*Goniurus* Hübner, [1819]

*Eudamus* Swainson, 1821

*Lyroptera* Plötz, 1881

3886 **proteus** (Linnaeus, 1758) (McD 486) T

Long-tailed skipper; Bean leafroller

Range.— I-VIII (U.S.: NY-FL/KS-CA; West Indies; Mex.-  
Argentina)

Dates.— Jan-Dec

Hosts.— *Amphicarpaea bracteata* (Leguminosae)

*Bauhinia* sp. (Leguminosae)

*Brassica oleracea* 'Capitata' group, *B. rapa* (Cruci-  
ferae)

*Canna* sp. (Cannaceae)

*Clitoria* sp., *C. mariana*, *C. ternatea* (Legumino-  
sae)

*Desmodium* sp., *D. canescens*, *D. incanum*, *D.*

*neomexicanum*, *D. purpurea*, *D. tortuosum*,

*D. viridiflorum* (Leguminosae)

*Galactia striata* (Leguminosae)

*Glycine* sp., *G. max* (Leguminosae)

*Nepeta cataria* (Labiatae)

*Phaseolus* sp., *P. lathyroides*, *P. limensis*, *P. poly-*  
*stachyus*, *P. vulgaris* (Leguminosae)

*Pisum sativum* (Leguminosae)

*Prosopis* sp., *P. juliflora* (Leguminosae)

?*Prunus americana* (Rosaceae)

*Stigmaphyllon periplocifolium* (Malpighiaceae)

*Vigna* sp., *V. sinensis* (Leguminosae)

*Wisteria* sp., *W. frutescens* (Leguminosae)

3889 **dorantes** (Stoll, 1790) (McD 487) T

*torones* (Hübner, [1821])

*atletes* (C. Felder & R. Felder, 1862)

*amisus* (Hewitson, [1867])

*protillus* (Herrich-Schäffer, 1869)

*retractus* (Plötz, 1880)

*velinus* (Plötz, 1880)

*kefersteinii* (Plötz, 1880)

*rauterbergi* (Skinner, 1895)

Brown-tailed skipper; Dorantes skipper

Range.— I-VIII (s. U.S.: FL-TX; CA; West Indies; Mex.-



- Argentina)  
 Dates.- Jan-Dec  
 Hosts.- *Clitoria* sp. (Leguminosae)  
           *Desmodium tortuosum* (Leguminosae)  
           *Phaseolus* sp. (Leguminosae)
- AUTOCHTON** Hübner, [1823]  
           *Cecrops* Hübner, [1818], preocc. (Leach, 1816)  
           *Cecropterus* Herrich-Schäffer, 1869  
           *Rhabdoides* Scudder, 1889
- 3902 **cellus** (Boisduval & Leconte, [1837]) (McD 500) **21.7**  
           *festus* (Geyer, 1837)  
           ab. *aereofuscus* (Gunder, 1925)  
           ab. *leilae* (A. H. Clark, 1934)  
           Golden-banded skipper  
 Range.- I-II (U.S.: NY-FL/IL-AZ; Mex.)  
 Dates.- Mar-May, Aug-Sep  
 Hosts.- *Amphicarpaea bracteata* (Leguminosae)  
           *Clitoria mariana* (Leguminosae)  
           *Phaseolus grayanus*, *P. wrightii* (Leguminosae)  
           *Vigna* sp. (Leguminosae)
- ACHALARUS** Scudder, 1872  
           *Murgaria* Watson, 1893
- 3904 **lyciades** (Geyer, [1832]) (McD 496) **21.6**  
           *lycidas* (J. E. Smith, 1797), preocc. (not Cramer, 1777)  
           *hedysarum* Scudder, 1889  
           Hoary-edge skipper  
 Range.- I-III (e. U.S.: NH-FL/WI-TX)  
 Dates.- Mar-Oct  
 Hosts.- *Amorpha fruticosa* (Leguminosae)  
           ?*Baptisia* sp. (Leguminosae)  
           *Desmodium canadense*, *D. ciliare*, *D. cuspidatum*,  
           *D. Dilleni*, *D. glabellum*, *D. nudiflorum*, *D. nuttallii*, *D. paniculatum*, *D. rotundifolium*  
           (Leguminosae)  
           *Hedysarum* sp. (Leguminosae)  
           ?*Indigofera caroliniana* (Leguminosae)  
           *Lespedeza hirta*, *L. texana* (Leguminosae)
- THORYBES** Scudder, 1872  
           *Lintneria* Edwards, 1877, preocc. (Butler, 1877)  
           *Cocceius* Godman & Salvin, [1894]
- 3909 **bathyllus** (J. E. Smith, 1797) (McD 503) **21.8**  
           ?*daunus* (Cramer, 1777)  
           ?*syloson* (Mabille, 1903)  
           Eastern cloudy-wing skipper; Southern cloudy-wing  
 Range.- I-VI (e. U.S.: ME-FL/MN-TX)  
 Dates.- Feb-Oct  
 Hosts.- *Apios americana* (Leguminosae)  
           *Astragalus Engelmanni* (Leguminosae)  
           *Centrosema virginianum* (Leguminosae)  
           *Cracca ambigua* (Leguminosae)  
           *Desmodium ciliare*, *D. paniculatum*, *D. rotundifolium* (Leguminosae)  
           *Glycine* sp. (Leguminosae)  
           *Lespedeza capitata*, *L. hirta*, *L. texana*, *L. virginica* (Leguminosae)  
           *Rhynchosia tomentosa* (Leguminosae)  
           *Strophostyles helvola*, *S. leiosperma*, *S. tomentosus* (Leguminosae)

- Tephrosia florida* var. *gracillima* (Leguminosae)  
*Trifolium pratense* (Leguminosae)
- 3910 **pylades** (Scudder, 1870) (McD 505) **21.9**  
           ab. *immaculata* (Skinner, 1911)  
           f. *albosuffusa* H. A. Freeman, 1943  
           ab. *integra* Lanktree, 1968  
           Cloudy-wing skipper; Northern cloudywing  
 Range.- I-VI (N.Am.: N.S.-FL/B.C.-CA; Mex.)  
 Dates.- Feb-Dec  
 Hosts.- *Amorpha* sp., *A. californica* (Leguminosae)  
           *Astragalus* sp., *A. nuttallianus* (Leguminosae)  
           *Desmodium* sp., *D. canadense*, *D. glabellum*, *D. nudiflorum*, *D. paniculatum*, *D. rotundifolium* (Leguminosae)  
           *Dolichos* sp. (Leguminosae)  
           *Hosackia* sp. (Leguminosae)  
           *Lathyrus eucosmus*, *L. ochroleucus* (Leguminosae)  
           *Lespedeza* sp., *L. capitata*, *L. intermedia*, *L. hirta* (Leguminosae)  
           *Lotus crassifolius*, *L. douglasii* (Leguminosae)  
           *Medicago* sp., *M. sativa* (Leguminosae)  
           *Rhynchosia texana* (Leguminosae)  
           *Trifolium* sp., *T. pratense*, *T. repens* (Leguminosae)  
           *Vicia americana* (Leguminosae)
- 3913 **confusus** Bell, 1922 (McD 504) **21.10-11**  
           *corusis* Evans, 1952, missp.  
           Dark cloudy-wing skipper; Confused cloudywing  
 Range.- I-VI (U.S.: PA-FL/IL-TX)  
 Dates.- Mar-Dec  
 Hosts.- ?*Lespedeza* sp. (Leguminosae)
- STAPHYLUS** Godman & Salvin, 1896  
           *Scantilla* Godman & Salvin, 1896
- 3932 **hayhurstii** (W. H. Edwards, 1870) (McD 534) **21.18-19**  
           Scalloped sooty-wing skipper; Hayhurst's scalloped-wing  
 Range.- I-VIII (e. U.S.: PA-FL/MN-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Alternanthera* sp. (Amaranthaceae)  
           *Chenopodium* sp., *C. album* (Chenopodiaceae)  
           ?*Iresine canescens* (Amaranthaceae)
- GORGYTHION** Godman & Salvin, 1896
- 3933 **begga** (Prittwitz, 1868) T  
           a) **pyralina** (Möschler, 1876)  
                   *marginata* Schaus, 1902  
           Variegated skipper  
 Range.- VIII (FL; Mex.-C. Am.)  
 Dates.- Jan, Apr (stray)  
 Hosts.- Unknown
- EPHYRIADES** Hübner, [1819]  
           *Oileides* Hübner, [1825]  
           *Melanthes* Mabille, 1903  
           *Brachycoryne* Mabille, 1904
- 3944 **brunneus** (Herrich-Schäffer, 1864) (McD 539) T  
 \* a) **floridensis** Bell & W. P. Comstock, 1948 **21.20-21**  
           Florida dusky wing  
 Range.- III-VIII (FL; West Indies; [Honduras?])  
 Dates.- Jan-Oct, Dec  
 Hosts.- *Byrsonima* sp., *B. lucida* (Malpighiaceae)  
           *Malpighia glabra* (Malpighiaceae)

**ERYNNIS** Schrank, 1801*Thymeles* Fabricius, 1807*Astycus* Hübner, 1822*Thanaos* Boisduval, [1834]*Hallia* Tutt, [1906]*Erynnides* Burns, 1964*Prynnis* J. Y. Miller, 1992, missp.3946 **brizo** (Boisduval & Leconte, [1834]) (McD 542)a) **brizo** (Boisduval & Leconte, [1834])

Sleepy dusky wing

Range.- I (N.Am.: N.S.-FL/Sask.-CA; Mex.)

Dates.- Mar-Apr

Hosts.- *Castanea dentata* (Fagaceae)*Quercus gambelii*, *Q. ilicifolia*, *Q. macrocarpa*, *Q. turbinella*, *Q. undulata* (Fagaceae)b) **somnus** (Lintner, 1881)

22.21-22

Banded oak dusky wing

Range.- II-VIII (FL)

Dates.- Jan-Apr

Hosts.- *Quercus inopina*, *Q. myrtifolia* (Fagaceae)3947 **juvenalis** (Fabricius, 1793) (McD 551)

22.25

*costalis* (Westwood, [1852])*ennius* (Scudder & Burgess, 1870)*plautus* (Scudder & Burgess, 1870)

Eastern oak dusky wing; Juvenal's duskywing

Range.- I-VIII (e. N.Am.: N.S.-FL/Man.-AZ; Mex.)

Dates.- Jan-May

Hosts.- *Corylus* sp. (Betulaceae)*Quercus* sp., *Q. alba*, *Q. arizonica*, *Q. emoryi*, *Q. gambelii*, *Q. hypoleucoides*, *Q. ilicifolia*, *Q. macrocarpa*, *Q. marilandica*, *Q. mohriana*, *Q. nigra*, *Q. prinus*, *Q. rubra*, *Q. stellata*, *Q. virginiana* var. *fusiformis*, *Q. velutina* (Fagaceae)3952 **horatius** (Scudder & Burgess, 1870)

22.10, 26-27

(McD 554)

*virgilius* (Scudder & Burgess, 1870)*petronius* (Lintner, 1881)

Brown dusky wing; Horace's duskywing

Range.- I-VIII (e. U.S.: NH-FL/MN-NM)

Dates.- Jan-Dec

Hosts.- *Quercus erythrobalanus*, *Q. falcata*, *Q. gambelii*, *Q. hemisphaerica*, *Q. ilicifolia*, *Q. laurifolia*, *Q. marilandica*, *Q. muhlenbergii*, *Q. nigra*, *Q. phellos*, *Q. rubra*, *Q. shumardii*, *Q. stellata*, *Q. texana*, *Q. velutina*, *Q. virginiana*, *Q. virginiana* var. *fusiformis* (Fagaceae)*Wisteria* sp., *W. frutescens* (Leguminosae)3954 **martialis** (Scudder, 1869) (McD 550)*quercus* (Butler, 1870)ab. *ausonius* (Lintner, 1872)

Mottled dusky wing

Range.- I-II (e. N.Am.: Ont.-FL/Man.-TX)

Dates.- Mar-Apr

Hosts.- *Ceanothus americanus*, *C. fendleri*, *C. ovatus* (Rhamnaceae)3956 **zarucco** (Lucas, 1857) (McD 555) T

22.24

*terentius* (Scudder & Burgess, 1870)*ovidius* (Scudder & Burgess, 1870)*naevius* (Lintner, 1881)*diogenes* (Plötz, 1884)

Zarucco dusky wing; Streamlined dusky wing

Range.- I-VIII (e. U.S.: MA-FL/IL-TX; West Indies)

Dates.- Jan-Dec

Hosts.- ?*Baptisia* sp. (Leguminosae)*Centrosema virginianum* (Leguminosae)*Clitoria mariana* (Leguminosae)*Lespedeza hirta* (Leguminosae)*Robinia* sp., *R. pseudoacacia* (Leguminosae)*Sesbania exaltata*, *S. grandiflora*, *S. longifolia*, *S. macrocarpa*, *S. vescicaria* (Leguminosae)*Wisteria frutescens* (Leguminosae)3957 **funeralis** (Scudder & Burgess, 1870) (McD 560) T*clericalis* (Burmeister, 1878)*australis* (Mabille, 1883)

Funereal dusky wing

Range.- I (U.S.: IL-FL/NV-CA; Mex.-Argentina)

Dates.- Oct

Hosts.- *Geoffroea decorticans* (Leguminosae)*Indigofera leptosepala* (Leguminosae)*Lotus scoparius* (Leguminosae)*Medicago hispida*, *M. sativa* (Leguminosae)? *Nemophila membranacea* (Hydrophyllaceae)*Olneya tesota* (Leguminosae)*Robinia neomexicana* (Leguminosae)*Sesbania exaltata* (Leguminosae)*Vicia ludoviciana* (Leguminosae)3959 **baptisiae** (Forbes, 1936) (McD 547.1)

22.23

Indigo dusky wing; Wild indigo duskywing

Range.- I-II (e. U.S.: NH-FL/MN-TX)

Dates.- Mar-Oct

Hosts.- ?*Aquilegia* sp. (Ranunculaceae)*Astragalus candensis* (Leguminosae)*Baptisia australis*, *B. laevicaulis*, *B. leucantha*, *B. tinctoria* (Leguminosae)*Coronilla varia* (Leguminosae)*Crotalaria sagittalis* (Leguminosae)*Lupinus perennis* (Leguminosae)*Thermopsis villosa* (Leguminosae)**PYRGUS** Hübner, [1819]*Scelotrix* Rambur, 1858*Bremeria* Tutt, 1906, preocc. (Alpheraky, 1892)*Teleomorpha* Warren, 1926*Hemiteleomorpha* Warren, 1926*Ateleomorpha* Warren, 1926*Heliopyrgus* Herrera, 1957*Hemiteleomorapha* L. Miller & F. Brown, 1983, missp.3966 **communis** (Grote, 1872) (McD 521) T

21.15-17

*tessellata* (Scudder, 1872), preocc. (Hewitson, 1866)*albovittata* (Grote, 1873)*insolatrix* Plötz, 1884*varus* Plötz, 1884ab. *skinneri* (Gunder, 1927)

Checkered skipper; Common checkered skipper

Range.- I-V (N.Am.: MA-FL/B.C.-CA; Mex.-Argentina)

Dates.- Feb-Nov

Hosts.- *Abutilon* sp., *A. theophrasti* (Malvaceae)*Alcea rosea* (Malvaceae)*Althaea* sp., *A. officinalis* (Malvaceae)*Anoda* sp. (Malvaceae)*Callirhoe* sp., *C. leiocarpa* (Malvaceae)*Hibiscus* sp., *H. trionum* (Malvaceae)*Malva* sp., *M. moschata*, *M. neglecta*, *M. nicaeensis*, *M. parviflora*, *M. rotundifolia*, *M. sylvestris* (Malvaceae)*Malvastrum coromandelianum*, *M. rotundifolium*

- (Malvaceae)  
*Malvella leprosa* (Malvaceae)  
*Modiola caroliniana* (Malvaceae)  
*Sida* sp., *S. filicaulis*, *S. lindheimeri*, *S. rhombifolia*, *S. spinosa* (Malvaceae)  
*Sidalcea* sp., *S. malvaeflora*, *S. glaucescens*, *S. neomexicana*, *S. oregana* (Malvaceae)  
*Sphaeralcea* sp., *S. ambigua*, *S. angustifolia*, *S. coccinea*, *S. iliamna*, *S. lindheimeri*, *S. munroana*, *S. parvifolia* (Malvaceae)  
3967 **albescens** Plötz, 1884 (McD 521a) 21.12-14  
*occidentalis* Skinner, 1906  
White checkered skipper  
Range.- I-VII (s. U.S.: GA/FL-CA; Mex.)  
Dates.- May, Sep-Oct  
Hosts.- *Sida rhombifolia* (Malvaceae)  
3968 **oileus** (Linnaeus, 1767) (McD 519) T  
*syrichthus* (Fabricius, 1775)  
f. *montivagus* Reakirt, 1866  
*ajutrix* Plötz, 1884  
*fumosa* (Reverdin, 1919)  
Tropical checkered skipper  
Range.- I-VIII (s. U.S.: GA-FL/TX-AZ; West Indies; Mex.-Argentina)  
Dates.- Jan-Dec  
Hosts.- *Abutilon* sp. (Malvaceae)  
*Althaea* sp. (Malvaceae)  
*Malva* sp. (Malvaceae)  
*Malvastrum* sp., *M. corchorifolium* (Malvaceae)  
*Sida* sp., *S. acuta*, *S. antillensis*, *S. carpinifolia*, *S. rhombifolia*, *S. salviaefolia* (Malvaceae)  
**PHOLISORA** Scudder, 1872  
*Hesperopsis* Dyar, 1905  
3977 **catullus** (Fabricius, 1793) (McD 531)  
Common sooty wing  
Range.- I-II (N.Am.: Ont.-FL/B.C.-CA; Mex.)  
Dates.- Mar-Oct  
Hosts.- *Amaranthus albus*, *A. caudatus*, *A. graecizans*, *A. hybridus*, *A. retroflexus*, *A. spinosus* (Amaranthaceae)  
*Atriplex rosea* (Chenopodiaceae)  
*Celosia argentea* var. *cristata* (Amaranthaceae)  
*Chenopodium* sp. *C. album*, *C. ambrosioides*, *C. berlandieri*, *C. foliosum*, *C. paganum* (Chenopodiaceae)  
? *Origanum* sp. (Labiatae)

## HESPERIINAE

- NASTRA** Evans, 1955  
3993 **lherminier** (Latreille, [1824]) (McD 671) 23.22  
*lherminieri*.- auct., emend.  
*fusca* (Grote & Robinson, 1867)  
Swarthy skipper  
Range.- I-VI (e. U.S.: MA-FL/WI-TX)  
Dates.- Jan-Dec  
Hosts.- *Schizachyrium scoparium* (Gramineae)  
*Sorghum halepense* (Gramineae)  
3995 **neamathla** (Skinner & R. C. Williams, 1923) (McD 672) 23.21  
Southern swarthy skipper; Neamathla skipper  
Range.- I-VIII (se. U.S.: GA-FL/LA-TX)  
Dates.- Jan-Dec  
Hosts.- *Andropogon* sp. (Gramineae)

*Eragrostis* sp. (Gramineae)  
*Sorghum halepense* (Gramineae)

- CYMAENES** Scudder, 1872  
*Megistias* Godman, 1900  
3996 **tripunctus** (Herrich-Schäffer, 1865) (McD 675) T  
*jamaca* (Schaus, 1902)  
ab. *sinepunctis* (Avinoff & Shoumatoff, 1946)  
*tripunctis* L. Miller & F. Brown, 1981, missp.  
*sinepuncta* L. Miller & F. Brown, 1983, missp.  
Dingy dotted skipper; Three-spotted skipper  
Range.- IV-VIII (FL; West Indies-Argentina)  
Dates.- Jan-Dec  
Hosts.- *Digitaria sanguinalis* (Gramineae)  
*Panicum maximum* (Gramineae)  
*Saccharum officinarum* (Gramineae)

- LEREMA** Scudder, 1872  
*Sarega* Mabilie, 1904  
3998 **accius** (J. E. Smith, 1797) (McD 653) T 23.14-16, 23  
*monoca* (Scudder, 1864)  
*punctella* (Grote & Robinson, 1867)  
*nortonii* (W. H. Edwards, 1867)  
*parumpunctata* (Herrich-Schäffer, 1869)  
*pattenii* Scudder, 1872  
*phocylides* (Plötz, 1883)  
Clouded skipper  
Range.- I-VIII (U.S.: MA-FL/IL-AZ; Mex.-Venezuela)  
Dates.- Jan-Dec  
Hosts.- *Andropogon* sp. (Gramineae)  
*Echinochloa poiretiana* (Gramineae)  
*Erianthus alopecuroides* (Gramineae)  
*Oryzopsis* sp. (Gramineae)  
*Paspalum ciliatifolium* (Gramineae)  
*Pennisetum ciliare* (Gramineae)  
*Panicum capillare*, *P. maximum* (Gramineae)  
*Saccharum officinarum* (Gramineae)  
*Setaria macrosperma* (Gramineae)  
*Sorghum halepense* (Gramineae)  
*Stenotaphrum secundatum* (Gramineae)  
*Zea mays* (Gramineae)

- ANCYLOXYPHA** C. Felder, 1862  
*Ancyloxipha* auct., missp.  
4004 **numitor** (Fabricius, 1793) (McD 567) 22.13-15  
*bion* (Fabricius, 1798)  
*puer* (Hübner, [1823])  
*marginatus* (Harris, 1862)  
*longleyi* French, 1897  
Least skipperling; Least skipper  
Range.- I-VIII (e. N.Am.: N.S.-FL/Sask.-TX)  
Dates.- Jan-Dec  
Hosts.- *Bambusa ventricosa* (Gramineae)  
*Leersia oryzoides* (Gramineae)  
*Oryza sativa* (Gramineae)  
*Panicum* sp. (Gramineae)  
*Poa* sp. (Gramineae)  
*Spartina* sp. (Gramineae)  
*Setaria* sp. (Gramineae)  
*Zea mays* (Gramineae)  
*Zizaniopsis miliacea* (Gramineae)

**COPAEODES** Speyer, 1877

- 4010 **minima** (W. H. Edwards, 1870) (McD 574) T  
*procris* (W. H. Edwards, 1871) **22.11-12**  
*singularis*.– (Plötz, 1884) (not Herrich-Schäffer, 1865)  
*aurantiaca*.– Godman, 1900 (not Hewitson, 1868)  
*rayata* Barnes & McDunnough, 1913  
 Tiny skipper; Southern skipperling  
 Range.– I-VIII (se. U.S.: NC-FL/OK-TX; Mex.-Panama)  
 Dates.– Jan-Dec  
 Hosts.– *Cynodon dactylon* (Gramineae)

**HYLEPHILA** Billberg, 1820

- Euthymus* Scudder, 1872  
*Andinus* Hayward, 1940  
*Cordillana* Hayward, 1941  
 4013 **phyleus** (Drury, 1773) (McD 601) T **22.1-3, 20**  
*phylaeus* auct., missp.  
*phareus* (Panzer, 1785)  
*carin* (Hübner, 1823)  
*bucephalus* (Stephens, 1828)  
*hala* (Butler, 1870)  
*brettus*.– Holland, 1898 (not Boisduval & Leconte, 1834)  
*brettoides*.– Wytman, 1905 (not W. H. Edwards, 1883)  
 ab. *pallida* Hayward, 1944  
 Fiery skipper  
 Range.– I-VIII (U.S.: MA-FL/NV-CA; West Indies; Mex.-Argentina)  
 Dates.– Jan-Dec  
 Hosts.– *Agrostis* sp. (Gramineae)  
*Axonopus compressus* (Gramineae)  
*Brassia actinophylla* (Araliaceae)  
*Cynodon dactylon* (Gramineae)  
*Digitaria sanguinalis* (Gramineae)  
*Eragrostis hypnoides* (Gramineae)  
*Paspalum conjugatum* (Gramineae)  
*Poa pratense* (Gramineae)  
*Saccharum officinarum* (Gramineae)  
*Stenotaphrum secundatum* (Gramineae)

**HESPERIA** Fabricius, 1793

- Pamphila* Fabricius, 1807  
*Symmachia* Sodoffsky, 1837, preocc. (Hübner, [1819])  
*Ocytes* Scudder, 1872  
*Anthomaster* Scudder, 1872  
*Urbicola* Tutt, 1905  
 4029 **attalus** (W. H. Edwards, 1871) (McD 595)  
*seminole* (Scudder, 1872)  
*quaiapen* (Scudder, 1889)  
 Dotted skipper  
 a) **slossonae** (Skinner, 1890)  
 Slosson's dotted skipper  
 Range.– I-VI (e. U.S.: MA-FL/KS-TX) [FL subsp.]  
 Dates.– Feb-May, Jul-Nov  
 Hosts.– *Aristida virgata* (Gramineae)  
*Bouteloua curtipendula* (Gramineae)  
 ?*Panicum virgatum* (Gramineae)  
 4030 **meskei** (W. H. Edwards, 1877) (McD 596)  
 a) **straton** (W. H. Edwards, 1881)  
*stratton* Bell, 1938, missp.  
 Gulf Coast skipper  
 Range.– I-VI (se. U.S.: NC-FL/OK-TX)

- Dates.– Jan-Dec  
 Hosts.– *Schizachyrium scoparium* (Gramineae)  
*Aristida purpurascens* (Gramineae)  
 a) **pinocayo** Gattelle & Minno, 2003  
 Rockland grass skipper  
 Range.– VIII (Florida)  
 Dates.– Jan, Mar-Jun, Sep-Dec  
 Hosts.– grasses (Gramineae)

**POLITES** Scudder, 1872

- Hedone* Scudder, 1872  
*Limochores* Scudder, 1872  
*Pyrrhosidia* Scudder, 1874  
*Pyrrhosydia* auct., missp.  
 4040 **baracoa** (Lucas, 1857) (McD 612) T **22.8-9**  
*amadis* (Herrich-Schäffer, 1863)  
*myus* (French, 1885)  
 Little tawny edge skipper; Baracoa skipper  
 Range.– I-VI (se. U.S.: GA-FL/AL; West Indies)  
 Dates.– Jan-Dec  
 Hosts.– *Saccharum officinarum* (Gramineae)  
 4041 **themistocles** (Latreille, [1824]) (McD 611) **22.6-7**  
*taumas* (Fabricius, 1787), preocc. (Hufnagel, 1766)  
*thaumas* (Fabricius, 1793), preocc. (Hufnagel, 1766)  
*phocion* (Fabricius, 1798), preocc. (Fabricius, 1781)  
*cernes* (Boisduval & Leconte, [1834])  
*ahaton* (Harris, 1862)  
*origenes*.– auct. (not Fabricius, 1793)  
 Tawny-edged skipper  
 Range.– I-VI (N.Am.: N.S.-FL/B.C.-AZ)  
 Dates.– Jan-Dec  
 Hosts.– *Agropyron repens* (Gramineae)  
*Digitaria filiformis* (Gramineae)  
*Echinochloa crus-galli* (Gramineae)  
*Panicum* sp., *P. clandestinum* (Gramineae)  
*Phleum pratense* (Gramineae)  
*Poa pratensis* (Gramineae)  
 4042 **origenes** (Fabricius, 1793) (McD 610) **23.10-11**  
*manataqua* (Scudder, 1864)  
*cernes*.– (Harris, 1862) (not Boisduval & Leconte, [1834])  
*origines* Lindsley, Bell & R. C. Williams, 1931, missp.  
 Cross-line skipper  
 Range.– I-III (e. N.Am.: Ont.-FL/ND-TX)  
 Dates.– May-Oct  
 Hosts.– *Schizachyrium scoparium* (Gramineae)  
*Tridens flavus* (Gramineae)  
 4045 **vibex** (Geyer, [1832]) (McD 619/620) **23.1-3**  
*brettus* (Boisduval & Leconte, [1834])  
*wingina* (Scudder, 1863)  
 f. *osyka* (W. H. Edwards, 1867), ♀f, part  
*morganta* (Plötz, 1883)  
*unna* (Plötz, 1883)  
*margarita* Draudt, 1924, missp.  
 Whirlabout skipper  
 Range.– I-VIII (e. U.S.: MA-FL/WI-TX; West Indies, Mex.-Argentina)  
 Dates.– Jan-Dec  
 Hosts.– *Cynodon dactylon* (Gramineae)  
*Paspalum setaceum*, *P. ciliatifolium* (Gramineae)

**WALLENGRENIA** Berg, 1897

- Catia* Godman, 1900

- 4046 **otho** (J. E. Smith, 1797) (McD 621) T  
*pustula* (Geyer, [1832])  
 Red broken dash skipper; Southern broken-dash  
 Range.— I-VIII (se. U.S.: DE-FL/OK-TX; West Indies;  
 Mex.-Argentina)  
 Dates.— Jan-Dec  
 Hosts.— *Digitaria sanguinalis* (Gramineae)  
*Oryza sativa* (Gramineae)  
*Paspalum* sp., *P. caespitosum* (Gramineae)  
*?Sabatia brevifolia*, *S. campanulata* (Gentiana-  
 ceae)  
*Saccharum officinarum* (Gramineae)  
*Stenotaphrum secundatum* (Gramineae)
- 4047 **egeremet** (Scudder, 1864) (McD 621a) T  
*aetna* (Scudder, 1872)  
*ursa* (Worthington, 1880)  
*cinna* (Plötz, 1883)  
 Brown broken dash skipper  
 Range.— I-III (e. N.Am.: N.S.-FL/MN-TX; West Indies)  
 Dates.— Apr-Jun, Aug-Oct  
 Hosts.— *Panicum* sp., *P. clandestinum*, *P. dichotomum*  
 (Gramineae)

**POMPEIUS** Evans, 1955

- 4048 **verna** (W. H. Edwards, 1862) (McD 609)  
*pottawattomie* (Worthington, 1880)  
*vetulina* (Plötz, 1883)  
*sigida* (Mabille, 1891)  
*sequoyah* (H. A. Freeman, 1942)  
 Little grassy-wing skipper  
 Range.— I-II (e. U.S.: NH-FL/MN-TX)  
 Dates.— Apr-Jun, Aug-Oct  
 Hosts.— *Erianthus alopecuroides* (Gramineae)  
*Tridens flavus* (Gramineae)

**ATALOPEDES** Scudder, 1872

- Pansydia* Scudder, 1872
- 4049 **campestris** (Boisduval, 1852) (McD 602)  
*f. sylvanoides* (Boisduval, 1852)  
*kedema* (Butler, (1870))  
*augustus* (Plötz, 1883)  
*amphissa* (Plötz, 1883)  
*flaveola* (Mabille, 1891)
- a) **hurion** (W. H. Edwards, 1863)  
 Sachem skipper; Field skipper  
 Range.— I-VIII (U.S.: MA-FL/OR-CA; Mex.)  
 Dates.— Jan-Dec  
 Hosts.— *Cynodon dactylon* (Gramineae)  
*Digitaria sanguinalis* (Gramineae)  
*Distichlis spicata* (Gramineae)  
*Eleusine indica* (Gramineae)  
*Festuca rubra* (Gramineae)  
*Stenotaphrum secundatum* (Gramineae)

**ATRYTONE** Scudder, 1872

- 4050 **arogus** (Boisduval & Leconte, [1834]) (McD 634)  
*vitellius*.— (J. E. Smith, 1797) (not Fabricius,  
 1793)  
*mitius* (Plötz, 1883)  
 Arogos skipper; Brown-rim skipper  
 Range.— I-VI (e. U.S.: NY-FL/ND-TX)  
 Dates.— Mar-Nov  
 Hosts.— *Andropogon gerardi* (Gramineae)  
*?Panicum* sp. (Gramineae)  
*Schizachyrium scoparium* (Gramineae)

**23.4-5 ANATRYTONE** Dyar, 1905

- 4051 **logan** (W. H. Edwards, 1863) (McD 635) T **22.18**  
*delaware* (W. H. Edwards, 1863) **23.6-8**  
*iowa*.— (Plötz, 1884) (not Scudder, 1869)  
 Delaware skipper; Black-vein skipper  
 Range.— I-VI (e. N.Am.: ME-FL/Alb.-TX; Mex.-El Salva-  
 dor)  
 Dates.— Feb-Nov  
 Hosts.— *Andropogon* sp., *A. gerardii* (Gramineae)  
*Erianthus divaricatus*, *E. alopecuroides* (Gramin-  
 eae)  
*Panicum virgatum* (Gramineae)

**22.17 PROBLEMA** Skinner & R. C. Williams, 1924

- 23.24** 4052 **byssus** (W. H. Edwards, 1880) (McD 632)  
 Golden skipper; Byssus skipper  
 Range.— I-VI (se. U.S.: NC-FL/WI-TX)  
 Dates.— Mar-Jun, Jul-Oct  
 Hosts.— *Andropogon gerardii* (Gramineae)  
*Erianthus giganteus* (Gramineae)  
*Tripsacum dactyloides* (Gramineae)

**POANES** Scudder, 1872

- Phycanassa* Scudder, 1872  
*Paratrytone*.— Dyar, 1905 (not Godman,  
 1900)
- 4060 **zabulon** (Boisduval & Leconte, [1834]) (McD 625)  
*erratica* (Plötz, 1883)  
*ogeechensis* (Scudder, 1889), nom. nud.  
*pocahontas*.— (Holland, 1898) (not Scudder,  
 1864)  
 Zabulon skipper; Southern dimorphic skipper  
 Range.— I-III (U.S.: MA-FL/ID-AZ; Mex.-Panama)  
 Dates.— Feb-Oct  
 Hosts.— *Eragrostis* sp. (Gramineae)  
*Tridens* sp. (Gramineae)
- 4062 **aaroni** (Skinner, 1890) (McD 628)
- 22.4-5** a) **howardi** (Skinner, 1896)  
 Atlantic marsh skipper  
 Range.— II-VI (Atlantic Coast: CT-FL; LA)  
 Dates.— Mar-May, Aug-Oct  
 Hosts.— *Spartina alterniflora* var. *glabra* (Gramineae)
- 4063 **yehl** (Skinner, 1893) (McD 629)  
 Southern swamp skipper; Yehl skipper  
 Range.— I-II (se. U.S.: VA-FL/IL-TX)  
 Dates.— May-June, Aug-Oct  
 Hosts.— *Arundinaria* sp. (Gramineae)
- 4064 **viator** (W. H. Edwards, 1865) (McD 622)  
 a) **zizaniae** Shapiro, 1971  
 Broad marsh skipper  
 Range.— I-III (e. N.Am.: Ont.-FL/MN-TX)  
 Dates.— Apr-Jun, Aug-Oct  
 Hosts.— *Carex lacustris*, *C. rostrata* (Cyperaceae) [nom.  
 subsp.]  
*Panicum* sp. (Gramineae)  
*Phragmites australis* (Gramineae)  
*Zizania* sp., *Z. aquatica* (Gramineae)  
*Zizaniopsis miliacea* (Gramineae)

**EUPHYES** Scudder, 1872

- Arotis* Mabille, 1904  
*Pereneia* Lindsey, 1925
- 4070 **arpa** (Boisduval & Leconte, [1834]) (McD 636) **23.9**  
 Palmetto skipper  
 Range.— I-VIII (se. U.S.: GA-FL/AL-MS)  
 Dates.— Mar-Dec

Hosts.— *Cladium mariscoides* (Cyperaceae)  
*Serenoa repens* (Palmae)

4071 **pilatka** (W. H. Edwards, 1867) (McD 637)  
*palatka* (W. H. Edwards, 1867), emend.  
*floridensis* (Plötz, 1883)

a) **pilatka** (W. H. Edwards, 1867) **35.3, 7**  
 Coastal sedge skipper; Sawgrass skipper; Palatka skipper

Range.— I-VIIIA (Atlantic/Gulf Coasts: DE-FL/MS-LA)

Dates.— Jan-Dec

Hosts.— *Cladium jamaicensis* (Cyperaceae)

\* b) **klotsi** L. Miller, Harvey & J. Miller, 1985  
 Keys sawgrass skipper

Range.— VIIIB (Florida Keys)

Dates.— Jan-Jun, Sep-Oct, Dec

Hosts.— *Cladium jamaicensis* (Cyperaceae)

4072 **dion** (W. H. Edwards, 1879) (McD 638)  
*palatka*.— (Scudder, 1889) (not W. H. Edwards, 1867)

*alabamiae* (Lindsey, 1923)

Dion skipper

Range.— I-III (e. N.Am.: Ont.-FL/MN-TX)

Dates.— Apr-Oct

Hosts.— *Carex hyalinolepis*, *C. lacustris*, *C. stricta* var. *brevis* (Cyperaceae)

*Scirpus* sp., *S. cyperinus* (Cyperaceae)

4074 **dukesi** (Lindsey, 1923) (McD 639)

\* a) **calhouni** Shuey, 1996

Brown sedge skipper

Range.— II-III (e. U.S.: VA-FL (subsp.)/MI-TX)

Dates.— May-Oct

Hosts.— *Carex hyalinolepis*, *C. lacustris*, *C. walteriana* (Cyperaceae)

4076 **berryi** (Bell, 1941) (McD 641.1)

Florida sedge skipper

Range.— I-VI (se. U.S.: SC-FL/AL)

Dates.— Mar-May, Aug-Oct

Hosts.— Unknown (Cyperaceae?)

4078 **vestris** (Boisduval, 1852) (McD 642)

*uricola* (Boisduval, 1852)

*osceola* (Lintner, 1878)

*californica* (Mabille, 1883)

a) **metacomet** (Harris, 1862)

*rurea* (W. H. Edwards, 1862)

*kiowah* (Reakirt, 1866)

f. *osyka* (W. H. Edwards, 1867), male

*baeis* (Scudder, 1889), nom. nud.

ab. *immaculatus* (R. C. Williams, 1914)

Dune sedge skipper

Range.— I-VI (Am.: N.S.-FL/B.C.-CA; Mex.)

Dates.— Mar-Dec

Hosts.— *Carex geophila*, *C. heliophila*, *C. lacustris*, *C. spissa* (Cyperaceae)

*Cyperus* sp. (Cyperaceae)

?*Tridens flavus* (Gramineae)

**ASBOLIS** Mabille, 1904

4079 **capucinus** (Lucas, 1857) (McD 683.1) T **35.4, 8**

*sandarac* (Herrich-Schäffer, 1865)

*palaea* (Hewitson, [1868])

Monk skipper; Palm leafroller

Range.— II-VIII (FL; Cuba)

Dates.— Jan-Dec

Hosts.— *Acoelorrhaphe wrightii* (Palmae)

*Chrysalidocarpus lutescens* (Palmae)

*Coccothrinax* sp., *C. argentata* (Palmae)

*Cocos nucifera* (Palmae)

*Dictyosperma album* (Palmae)

*Hyophorbe lagenicaulis* (Palmae)

*Livistona chinensis* (Palmae)

*Paurotis* sp., *P. wrightii* (Palmae)

*Phoenix* sp., *P. reclinata*, *P. roebellini* (Palmae)

*Sabal palmetto* (Palmae)

*Serenoa repens* (Palmae)

*Thrinax radiata* (Palmae)

?*Urena lobata* (Malvaceae)

*Veitchia merrillii* (Palmae)

*Washingtonia robusta* (Palmae)

**ATRYTONOPSIS** Godman, 1900

4084 **hianna** (Scudder, 1868) (McD 643/644)

a) **hianna** (Scudder, 1868)

*grotei* (Plötz, 1883)

Dusted skipper

Range.— I (U.S.: NH-FL/Man.-AR)

Dates.— Mar-Apr

Hosts.— *Andropogon gerardii* (Gramineae)

*Schizachyrium scoparium* (Gramineae)

b) **loammi** (Whitney, 1876)

*regulus* (W. H. Edwards, 1881)

*apostologica* (Strand, 1921)

Southern dusted skipper

Range.— I-VI (se. U.S.: NC-FL/MS-LA)

Dates.— Jan-Nov

Hosts.— *Andropogon* sp. (Gramineae)

**AMBLYSCIRTES** Scudder, 1872

*Atomyles* Scudder, 1872

*Mastor* Godman, 1900

*Epiphyes* Dyar, 1905

*Epiphyes* Evans, 1955, missp.

4096 **hegon** (Scudder, 1864) (McD 661)

*samoset* (Scudder, 1864)

*nemoris* (W. H. Edwards, 1864)

*argina* (Plötz, 1884)

Greenish little skipper; Pepper and salt skipper

Range.— I-II (e. N.Am.: N.S.-FL/Man.-TX)

Dates.— Apr-May

Hosts.— *Chasmanthium latifolium* (Gramineae)

*Poa pratensis* (Gramineae)

*Sorghastrum avenaceum*, *S. secundum* (Gramineae)

4099 **aesculapius** (Fabricius, 1793) (McD 666) **23.19-20**

*textor* (Hübner, [1827-31])

*oneko* (Scudder, 1864)

*wakulla* (W. H. Edwards, 1869)

*oneka* McDunnough, 1938, missp.

Cobweb little skipper; Lace-winged roadside skipper

Range.— I-III (se. U.S.: DE-FL/IL-TX)

Dates.— Jan, Mar-Apr, Sep

Hosts.— *Arundinaria gigantea*, *A. g. tecta* (Gramineae)

4101 **reversa** Jones, 1926 (McD 667a)

Reversed roadside skipper

Range.— I-III (se. U.S.: VA-FL/IL-MS)

Dates.— Apr

Hosts.— *Arundinaria gigantea*, *A. g. tecta* (Gramineae)

4105 **vialis** (W. H. Edwards, 1862) (McD 660)

*asella* (Herrich-Schäffer, 1869)

Black little skipper; Common roadside skipper

Range.— I-II (N.Am.: N.S.-FL/B.C.-CA)

Dates.— Mar-Sep

Hosts.— *Agrostis* sp. (Gramineae)

*Avena* sp. (Gramineae)

*Chasmanthion latifolium* (Gramineae)

*Cynodon dactylon* (Gramineae)

*Poa* sp. (Gramineae)

4107 **belli** H. A. Freeman, 1941

Bell's little skipper; Bell's roadside skipper

Range.— I-II (se. U.S.: NC-FL/KS-TX)

Dates.— Aug (stray?)

Hosts.— *Chasmanthium latifolium* (Gramineae)

4108 **alternata** (Grote & Robinson, 1867) (McD 663)

*meridionalis* Dyar, 1905 **23.17-18**

Dusky little skipper; Dusky roadside skipper

Range.— I-IV (se. U.S.: VA-FL/OK-TX)

Dates.— Feb-Nov

Hosts.— Unknown (Gramineae?)

**LERODEA** Scudder, 1872

4111 **eufala** (W. H. Edwards, 1869) (McD 674) T **23.25**

f. *osyka* (W. H. Edwards, 1867), female, part

*dispersa* (Herrich-Schäffer, 1869)

*floridae* (Mabille, 1876)

*micylla* (Burmeister, 1878)

*obscura* (Mabille, 1904)

Gray skipper; Rice leafroller; Eufala skipper

Range.— I-VIII (U.S.: DE-FL/ND-CA; West Indies; Mex.-Argentina)

Dates.— Jan-Dec

Hosts.— *Cynodon dactylon* (Gramineae)

*Echinochloa crus-galli* (Gramineae)

*Oryza sativa* (Gramineae)

*Pennisetum ciliare* (Gramineae)

*Poa pratensis* (Gramineae)

*Saccharum officinarum* (Gramineae)

*Setaria verticillata* (Gramineae)

*Sorghum halepense*, *S. vulgare* (Gramineae)

*Stenotaphrum secundatum* (Gramineae)

*Zea mays* (Gramineae)

**OLIGORIA** Scudder, 1872

4114 **maculata** (W. H. Edwards, 1865) (McD 652) **23.12-13**

*grossula* (Herrich-Schäffer, 1869)

*deleta* (Herrich-Schäffer, 1869)

*norus* (Plötz, 1883)

*orthomenes* (Scudder, 1889), nom. nud.

Twin spot skipper

Range.— I-VIII (e. U.S.: MA-FL/AR-TX)

Dates.— Jan-Dec

Hosts.— (Gramineae)

**CALPODES** Hübner, [1819]

4115 **ethlius** (Stoll, 1782) (McD 677) T

*chemnis* (Fabricius, 1793)

*olyntus* (Boisduval & Leconte, [1834])

*ethlinus* auct., 1960, missp.

Canna skipper; Canna leafroller; Brazilian skipper

Range.— I-VIII (U.S.: MA-FL/NV-CA; West Indies; Mex.-Argentina)

Dates.— Jan-Dec

Hosts.— ?*Apium* sp. (Umbelliferae)

*Calathea* sp., *C. operheimiana* (Marantaceae)

*Canna edulis*, *C. flaccida*, *C. generalis*, *C. indica* (Cannaceae)

?*Colocasia esculenta* (Araceae)

*Ctenanthe oppenheimiana* (Marantaceae)

*Maranta* sp. (Marantaceae)

*Musa* sp. (Musaceae)

?*Phyllanthus* (Euphorbiaceae)

*Thalia dealbata*, *T. geniculata* (Marantaceae)

*Zantedeschia* sp. (Araceae)

**PANOQUINA** Hemming, 1934

*Prenes* Scudder, 1872, preocc. (Gistl, 1848)

4116 **panoquin** (Scudder, 1864) (McD 680) **23.26-27**

*ophis* (W. H. Edwards, 1871)

*wimico* (Plötz, 1883)

*cochles* (Scudder, 1889), nom. nud.

Salt-marsh skipper

Range.— I-VIII (Atlantic/Gulf Coasts: MA-FL-TX)

Dates.— Feb-Dec

Hosts.— ?*Distichlis spicata* (Gramineae)

?*Scirpus* sp. (Cyperaceae)

?*Spartina* sp. (Gramineae)

4117 **panoquinoides** (Skinner, 1891) (McD 681) T **23.28**

Beach skipper; Obscure skipper

Range.— I-VIII (Gulf Coast: [GA]/FL-TX; West Indies; Mex.-Brazil)

Dates.— Jan-Dec

Hosts.— *Cynodon dactylon* (Gramineae)

*Distichlis spicata* (Gramineae)

*Saccharum officinarum* (Gramineae)

?*Sporobolus virginicus* (Gramineae)

4119 **ocola** (W. H. Edwards, 1863) (McD 683) T **23.29**

*stratyllis* (Burmeister, 1878)

*heterospila* (Mabille, 1878)

*ortygia* (Möschler, 1882)

Ocola skipper; Long-winged skipper

Range.— I-VIII (e. U.S.: MA-FL/IL-TX; West Indies; Mex.-Argentina)

Dates.— Jan-Dec

Hosts.— *Hymenachne amplexicaule* (Gramineae)

*Oryza sativa* (Gramineae)

*Saccharum officinarum* (Gramineae)

**NYCTELIUS** Hayward, 1948

4123 **nyctelius** (Latreille, [1848]) (McD 679) T

*ares* (C. Felder, 1862)

*coscinia* (Herrich-Schäffer, 1865)

*aegialea* (Plötz, 1883)

Nyctelius skipper; Violet-banded skipper

Range.— VIII (FL; TX; West Indies; Mex.-S.Am.)

Dates.— May (stray)

Hosts.— *Oryza sativa* (Gramineae)

*Saccharum officinarum* (Gramineae)

*Zea mays* (Gramineae)

## MEGATHYMINAE

**35.6**

**MEGATHYMUS** Scudder, 1872

4145 **yuccae** (Boisduval & Leconte, [1834]) (McD 684)

*alabamae* H. A. Freeman, 1943

a) **buchholzi** H. A. Freeman, 1952 **35.9**

Yucca skipper; Yucca giant skipper

Range.— I-IV (s. U.S.: VA-FL/NV-CA; Mex.)

Dates.— Feb-May

Hosts.— *Yucca* sp., *Y. gloriosa*, *Y. smalliana* (Agavaceae)

[all *Yucca* spp. except *Y. whipplei*]

4147 **cofaqui** (Strecker, 1876) (McD 686)

*harrisi* H. A. Freeman, 1955  
*slotteni* Gatrell, 1999, **n. syn.**  
 Southern yucca skipper; Cofaqui giant skipper  
 Range.— I-IV (se. U.S.: SC-FL/TN-LA)  
 Dates.— Feb-May, Jul-Nov  
 Hosts.— *Yucca aloifolia*, *Y. filamentosa*, *Y. gloriosa*, *Y. smalliana* (Agavaceae)

## Series PAPILIONIFORMES

### PAPILIONIDAE

#### PAPILIONINAE

##### TROIDINI

**BATTUS** Scopoli, 1777  
*Laertias* Hübner, [1819]  
*Ithobalus* Hübner, [1819]  
*Laertiades* Doubleday, 1846, missp.  
 4157 **philenor** (Linnaeus, 1771) (McD 1) **24.1**  
*astinuous* (Drury, [1773]) **25.5**  
*philinor* H. Edwards, 1884, missp.  
 ab. *obsoleta* (Ehrmann, 1900)  
 ab. *wasmuthi* (Weeks, 1901)  
 Pipevine swallowtail  
 Range.— I-VI (N.Am.: Ont.-FL/OR-CA; Mex.)  
 Dates.— Feb-Nov  
 Hosts.— *Aristolochia californica*, *A. durior*, *A. elegans*, *A. littoralis*, *A. longiflora*, *A. maxima*, *A. reticulata*, *A. serpentaria*, *A. tomentosa*, *A. watsoni* (Aristolochiaceae)  
*Asarum canadense* (Aristolochiaceae)  
*Calonyction aculeatum* (Convolvulaceae)  
*Convolvulus arvensis*, *C. linearilobus* (Convolvulaceae)  
*?Hoya* sp. (Asclepiadaceae)  
*Polygonum convolvulus*, *P. scandens* var. *cristatum*, *P. hydropiper* (Polygonaceae)  
 4158 **polydamas** (Linnaeus, 1758) (McD 3) T **24.2**  
*polydamus* (McDunnough, 1938), missp.  
 a) **lucayus** (Rothschild & Jordan, 1906) **25.4**  
 Polydamas swallowtail; Gold rim swallowtail  
 Range.— II-VIII (FL; TX; West Indies; Mex.-Argentina)  
 Dates.— Apr-Nov  
 Hosts.— *Antigonon leptopus* (Polygonaceae)  
*Aristolochia* sp., *A. brasiliensis*, *A. durior*, *A. elegans*, *A. grandiflora*, *A. pentandra*, *A. ringens*, *A. serpentaria*, *A. siphon* (Aristolochiaceae)  
*Passiflora* sp. (Passifloraceae)

##### PAPILIONINI

**PAPILIO** Linnaeus, 1758  
*Princeps* Hübner, 1807  
*Amaryssus* Dalman, 1816  
*Achillides* Hübner, [1819]  
*Orpheides* Hübner, [1819], suppr. (ICZN Op. 179)  
*Nestorides* Hübner, [1819]  
*Iliades* Hübner, [1819]  
*Troilides* Hübner, [1825]  
*Aernauta* Berge, 1842  
*Pyrrhosticta* Butler, 1872  
*Harimala* Moore, 1881  
*Charus* Moore, 1881

*Sarbaria* Moore, 1882  
*Sainia* Moore, 1882  
*Chares* Swinhoe, 1885, missp.  
*Panosmia* Wood-Mason & Niceville, 1886  
*Tamera* Moore, 1888  
*Achivus* Kirby, 1896  
*Eques* Kirby, 1896  
*Paenasmia* Kirby, 1896, missp.  
*Sadengia* Moore, 1902  
*Heterocreon* Kirby, 1904  
 Subgenus **PAPILIO** Linnaeus, 1758  
 4159 **polyxenes** Fabricius, 1775 (McD 4) T  
*asterias* Fabricius, 1787, missp.  
*asterioides*— Eimer, 1895 (not Reakirt, 1866)  
 a) **asterius** Stoll, 1782 (McD 4a) **24.3-4**  
*ajax* Linnaeus, 1758 [part], suppr. (ICZN, Op. 286)  
*troilus*— Drury, 1773, (not Linnaeus, 1758)  
*ampliata* Ménétries, 1857  
 ab. *calverleyi* Grote, 1864  
*asterioides* Reakirt, 1866  
 f. *viridis* Cockerell, 1889  
 f. *alunatus* Skinner & Aaron, 1889, female  
 ab. *mediocanda* Eimer, 1895  
 ab. *mediocauda* Eimer, 1895, emend.  
*astyanax*— Scudder, 1898 (not Fabricius, 1793)  
 ab. *semialba* Ehrmann, 1900  
*curvifascia* Skinner, 1902  
 ab. *ehrmanni* Ehrmann, 1925  
 ab. *streckeri* Holland, 1927, female  
 ab. *forsythae* Wood, 1937 (not Gunder, 1933)  
 f. *pseudoamericus* F. M. Brown, 1942  
 f. *subampliata* Dufrane, 1946  
*stabilis*— dos Passos, 1964 (not Rothschild & Jordan, 1906)  
 Black swallowtail; Parsley worm  
 Range.— I-VIII (e. N.Am.: N.S.-FL/Sask.-AZ; West Indies; Mex.-Peru)  
 Dates.— Feb-Nov  
 Hosts.— *Anethum graveolens* (Umbelliferae)  
*Angelica* sp., *A. atropurpurea*, *A. venenosa* (Umbelliferae)  
*Apium graveolens* var. *dulce*, *A. petroselinum* (Umbelliferae)  
*Arracacia xanthorrhiza* (Umbelliferae)  
*Carum carvi* (Umbelliferae)  
*Cicuta bulbifera*, *C. maculata*, *C. mexicana* (Umbelliferae)  
*Conium maculatum* (Umbelliferae)  
*Cosmos bipinnatus* (Compositae)  
*Cryptotaenia canadensis* (Umbelliferae)  
*Daucus carota*, *D. carota* var. *sativas* (Umbelliferae)  
*Dictamnus albus* (Rutaceae)  
*Echinophora spinosa* (Umbelliferae)  
*Foeniculum vulgare* (Umbelliferae)  
*Hydrocotyle umbellata* (Umbelliferae)  
*Osmorhiza claytoni*, *O. longistylis* (Umbelliferae)  
*Oxypolis filiformis* (Umbelliferae)  
*Pastinaca sativa* (Umbelliferae)



- Petroselinum* sp., *P. crispum*, *P. hortense* (Umbelliferae)  
*Ptilimnium capillaceum* (Umbelliferae)  
*Ruta graveolens* (Rutaceae)  
*Sium suave* (Umbelliferae)  
*Spermolepis divaricata* (Umbelliferae)  
*Taenidia integerrima* (Umbelliferae)  
*Tanacetum vulgare* (Compositae)  
*Thamnosma texana* (Rutaceae)  
*Thapsium barbinode* (Umbelliferae)  
*Trachymene caerulea* (Umbelliferae)  
Subgenus **HERACLIDES** Hübner, [1819]  
*Calaides* Hübner, [1819]  
*Thoas* Swainson, [1833]  
*Caliades* dos Passos, 1964, missp.  
*Hereclides* Fine, 2002, missp.
- 4170 **cresphontes** Cramer, 1777 (McD 12) T **24.5**  
*oxilus* Hübner, [1819], repl. name  
*chresphontes* Dury, 1878, missp.  
ab. *maxwelli* Franck, 1919  
ab. *forsythae* Gunder, 1933  
Giant swallowtail; Orange dog  
Range.— I-VIII (N.Am.: N.S.-FL/CO-CA; Cuba; Mex.-Colombia)  
Dates.— Jan-Dec  
Hosts.— *Amyris elemifera* (Rutaceae)  
*Anethum graveolens* (Umbelliferae)  
? *Aralia* sp. (Araliaceae)  
*Atalantia ceylonica* (Rutaceae)  
*Casimiroa edulis* (Rutaceae)  
*Citrofortunella mitis* (Rutaceae)  
*Citrus aurantifolia*, *C. aurantium*, *C. grandis*, *C. limon*, *C. paradisi*, *C. reticulata*, *C. sinensis*, *C. unshiu* (Rutaceae)  
*Dictamnus* sp., *D. albus* (Rutaceae)  
*Fortunella crassifolia* (Rutaceae)  
*Limonia* sp. (Rutaceae)  
*Nyssa sylvatica* (Nyssaceae)  
*Persea borbonica* (Lauraceae)  
*Piper aduncum*, *P. mollicomum*, *P. peltatum*, *P. umbellatum* (Piperaceae)  
*Populus niger* var. *italica* (Salicaceae)  
*Ptelea* sp., *P. trifoliata* (Rutaceae)  
*Ruta graveolens* (Rutaceae)  
*Staphylea trifolia* (Staphyleaceae)  
*Thalictrum* sp. (Ranunculaceae)  
*Triphasia* sp. (Rutaceae)  
*Zanthoxylum americanum*, *Z. clava-herculis*, *Z. coriaceum*, *Z. fagara* (Rutaceae)
- 4171 **aristodemus** Esper, 1794 (McD 14) T  
*cresphontinus* Martyn, 1797  
*daphnis* G. R. Gray, 1852
- \* a) **ponceanus** Schaus, 1911 **25.3**  
Schaus swallowtail  
Range.— VI-VIIIA (Florida) (other ssp. in West Indies)  
Dates.— Apr-Jun (rarely Nov)  
Hosts.— *Amyris elemifera* (Rutaceae)  
*Zanthoxylum fagara* (Rutaceae)
- 4172 **andraemon** (Hübner, [1823]) (McD 12.1) T  
a) **bonhotei** E. M. Sharpe, [1900]  
Bahamas swallowtail; Bahamian swallowtail  
Range.— VI-VIII (FL; West Indies)  
Dates.— Apr-Oct (stray)  
Hosts.— *Amyris elemifera* (Rutaceae)
- Citrus* sp., *C. aurantifolia*, *C. aurantium* (Rutaceae)  
*Ruta* sp. (Rutaceae)  
*Zanthoxylum fagara* (Rutaceae)  
4175 **androgeus** Cramer, 1775 T  
*polycaon* Cramer, 1779  
*piranthus* Cramer, 1779  
*amosis* Stoll, 1787  
*andeogeos* Kirby, 1871, missp.  
a) **epidaurus** Godman & Salvin, 1890  
var. *polycaon* G. R. Gray, 1852  
f. *ochracea* Beutelspacher, 1976, preocc. (not Beutelspacher, 1976)  
Androgeus swallowtail  
Range.— IV-VI (FL; West Indies-Argentina)  
Dates.— Mar-Oct (stray)  
Hosts.— *Citrus* sp., *C. sinensis*, *C. reticulata* (Rutaceae)  
*Zanthoxylum elephantiasus* (Rutaceae)  
Subgenus **PTEROURUS** Scopoli, 1777  
*Jasoniades* Hübner, [1819]  
*Euphroeades* Hübner, [1819]
- 4176 **glaucus** Linnaeus, 1758 (McD 15) **25.1-2**  
*ajax* Linnaeus, 1758, part, suppr. (ICZN Op. 286)  
*antiochus* Linnaeus, 1758  
*turnus* Linnaeus, 1771  
*alcidamas* Cramer, 1775  
ab. *fletcheri* Kemp, 1900  
ab. *dietzi* Gunder, 1927  
ab. *gerhardi* Gunder, 1927  
*ehrmanni*.— McDunnough, 1938 (not Ehrmann, 1925)  
*australis* Maynard, 1891, preocc. (Esper, 1781)  
*maynardi* Gauthier, 1984, repl. name  
Tiger swallowtail; Eastern tiger swallowtail  
Range.— I-VI (e. N.Am.: Ont.-FL/ND-TX; Mex.)  
Dates.— Jan-Nov  
Hosts.— *Acer* sp. (Aceraceae)  
*Alnus* sp. *A. rugosa* (Betulaceae)  
*Amelanchier canadensis* (Rosaceae)  
*Betula* sp. (Betulaceae)  
*Carpinus caroliniana* (Betulaceae)  
*Carya* sp. (Juglandaceae)  
*Catalpa bignonioides* (Bignoniaceae)  
*Cinnamomum camphora* (Lauraceae)  
*Crataegus* sp. (Rosaceae)  
*Cydonia oblonga* (Rosaceae)  
*Fraxinus* sp., *F. caroliniana*, *F. nigra*, *F. pensylvanica* (Oleaceae)  
*Humulus lupulus* (Moraceae)  
*Lindera benzoin* (Lauraceae)  
*Liquidambar styraciflua* (Hamamelidaceae)  
*Liriodendron tulipifera* (Magnoliaceae)  
*Magnolia acuminata*, *M. virginiana* (Magnoliaceae)  
*Malus pumila* (Rosaceae)  
*Persea borbonica* (Lauraceae)  
*Platanus occidentalis* (Platanaceae)  
*Populus* sp., *P. balsamifera*, *P. deltoides*, *P. grandidentata*, *P. tremuloides* (Salicaceae)  
*Prunus cerasus*, *P. domestica*, *P. pensylvanica*, *P. persica*, *P. serotina*, *P. virginiana* (Rosaceae)  
*Ptelea trifoliata* (Rutaceae)  
*Pyrus communis* (Rosaceae)

- Rhamnus cathartica* (Rhamnaceae)  
*Quercus* sp. (Fagaceae)  
*Salix* sp. (Salicaceae)  
*Sassafras albidum* (Lauraceae)  
*Sorbus* sp. (Rosaceae)  
*Styrax americana* (Styracaceae)  
*Syringa vulgaris* (Oleaceae)  
*Tilia americana* (Tiliaceae)  
*Ulmus* sp. (Ulmaceae)  
*Vaccinium* sp. (Ericaceae)  
*Vitis* sp. (Vitaceae)
- 4181 **troilus** Linnaeus, 1758 (McD 20) **24.7-8**  
*ilioneus* J. E. Smith, 1797  
*texanus* Ehrmann, 1900  
 ab. *radiatus* Strecker, 1900  
 ab. *flavus* Dufrane, 1946  
 ab. *obliteratus* Dufrane, 1946  
 ab. *berioi* Dufrane, 1946  
 ab. *addenda* Dufrane, 1946  
*fakahatcheensis* (Gatrelle, 2000)  
 Spicebush swallowtail
- Range.— I-VI (e. N.Am.: Ont.-FL/Man.-TX)  
 Dates.— Jan-Nov  
 Hosts.— *Amelanchier arbutifolia* (Rosaceae)  
*Cercis* sp., *C. canadensis* (Leguminosae)  
*Cinnamomum camphora* (Lauraceae)  
*Ipomoea batatas* (Convolvulaceae)  
*Juniperus horizontalis* (Cupressaceae)  
*Lindera benzoin*, *L. melissifolia* (Lauraceae)  
*Liriodendron tulipifera* (Magnoliaceae)  
*Magnolia glauca*, *M. virginiana* (Magnoliaceae)  
*Persea borbonia* (Lauraceae)  
*Prunus persica*, *P. serotina* (Rosaceae)  
*Pyrus arbutifolia* (Rosaceae)  
*Rhododendron* sp. (Ericaceae)  
*Sassafras albidum* (Lauraceae)  
*Syringa* sp., *S. vulgaris* (Oleaceae)  
*Zanthoxylum americanum*, *Z. clava-herculis* (Rutaceae)
- 4182 **palamedes** Drury, 1773 (McD 21) **24.13-15**  
*chalcas* Fabricius, 1775  
*flavomaculatus* Goeze, 1779  
*chalcs* Fabricius, 1781, missp.  
 Woodlands swallowtail; Laurel swallowtail
- Range.— I-VIII (se. U.S.: DE-FL/MO-TX)  
 Dates.— Jan-Dec  
 Hosts.— *Cinnamomum camphora* (Lauraceae)  
*?Citrus* sp. (Rutaceae)  
*Ilex cassine* (Aquifoliaceae)  
*Kalmia* sp. (Ericaceae)  
*Litsea aestivalis* (Lauraceae)  
*?Magnolia virginiana* (Magnoliaceae)  
*Persea americana*, *P. borbonia* (Lauraceae)  
*Sassafras albidum* var. *molle* (Lauraceae)

### GRAPHIINI

- EURYTIDES** Hübner, [1821]  
*Protesilaus* Swainson, 1832  
*Cosmodesmus* Haase, [1891]  
*Graphium*.— auct. (not Scopoli 1777)
- 4184 **marcellus** (Cramer, 1777) (McD 22) **24.9-11, 16**  
*ajax* (Linnaeus, 1758), part, suppr. (ICZN Op. 286)  
*telamonides* (C. Felder & R. Felder, 1864)

- f. *walshii* (W. H. Edwards, 1872)  
 ab. *abbottii* (W. H. Edwards, 1872)  
 f. *floridensis* (Holland, 1898)  
 f. *lecontei* (Rothschild & Jordan, 1906)  
 ab. *broweri* (Gunder, 1927)  
 ab. *carolinianus* (Holland, 1931), suppr. (ICZN Op. 286)  
 ab. *pricei* (Field, 1936)  
 ab. *nigrosuffusa* (Field, 1936)  
 Zebra swallowtail
- Range.— I-VIII (e. N.Am.: Ont.-FL/SD-TX)  
 Dates.— Jan-Dec  
 Hosts.— *Asimina angustifolia*, *A. incana*, *A. parviflora*, *A. pygmaea*, *A. reticulata*, *A. speciosa*, *A. tetramera*, *A. triloba* (Annonaceae)  
*Carica papaya* (Caricaceae)  
*Ilex glabra* (Aquifoliaceae)  
*Lindera benzoin* (Lauraceae)  
*Persea palustris* (Lauraceae)  
*Vaccinium* sp. (Ericaceae)

## PIERIDAE

### PIERINAE

#### PIERINI

- APPIAS** Hübner, [1819]  
*Catophaga* Hübner, [1819]  
*Hiposcrita* Geyer, [1832]  
*Trigonia* Geyer, 1837, preocc. (Bruguière, 1789)  
*Tachyris* Wallace, 1867  
*Glutophrissa* Butler, 1887  
*Lade* de Niceville, 1898  
*Appius* F. M. Brown, 1942, missp.
- 4190 **drusilla** (Cramer, 1777) (McD 78) T  
*ilaire* (Godart, [1819])  
*mysia* (Godart, [1819])  
*albunea* (Dalman, 1823)  
*molpodia* (Hübner, [1823])  
*margarita* (Hübner, [1825])
- a) **neumoegenii** (Skinner, 1894) **27.4-5, 9-10**  
 ab. *hollandi* Röber, 1909  
 Tropical white; Florida white
- Range.— II-VIII (FL; TX: Mexico, West Indies-Brazil)  
 Dates.— Jan-Dec  
 Hosts.— *Brassica oleracea* (Cruciferae)  
*Capparis* sp., *C. flexuosa*, *C. frondosa*, *C. lateriflora* (Capparidaceae)  
*Drypetes diversifolia*, *D. lateriflora* (Euphorbiaceae)  
*Forchammeria hintonii* (Capparidaceae)

#### PONTIA Fabricius, 1807

- Mancipium* Hübner, [1807], suppr. (ICZN Op. 137)  
*Synchloe* Hübner, 1818  
*Parapieris* Niceville, 1897  
*Leucochloe* Röber, 1907  
*Pieris*.— auct., part, (not Schrank, 1801)
- 4192 **protodice** (Boisduval & Leconte, 1829) (McD 82)  
 f. *vernalis* (W. H. Edwards, 1864)  
 f. *nasturtii* (W. H. Edwards, 1864)  
*protodin* (W. H. Edwards, 1872), missp.

- Checkered white; Southern cabbageworm  
 Range.- I-VIII (N.Am.: Ont.-FL/Alb.-CA; Cuba; Mex.)  
 Dates.- Jan-Dec  
 Hosts.- *Arabis drummondii*, *A. glabra* (Cruciferae)  
*Astragalus* sp. (Leguminosae)  
*Barbarea vulgaris* (Cruciferae)  
*Brassica* sp., *B. campestris*, *B. geniculata*, *B. juncea*, *B. kaper* var. *pinnatifida*, *B. nigra*, *B. oleracea*, *B. oleracea* var. *capitata*, *B. oleracea* var. *botrytis*, *B. rapa* (Cruciferae)  
*Cakile edentula* (Cruciferae)  
*Capsella bursa-pastoris* (Cruciferae)  
*Cardaria draba* (Cruciferae)  
*Caulanthus* sp. (Cruciferae)  
*Conyza canadensis* (Compositae)  
*Descurainia pinnata*, *D. sophia* (Cruciferae)  
*Erigeron* sp. (Compositae)  
*Lepidium densiflorum*, *L. fremontii*, *L. latifolium*, *L. lasiocarpium*, *L. virginicum* (Cruciferae)  
*Lobularia maritima* (Cruciferae)  
*Malcolmia africana* (Cruciferae)  
*Nasturtium officinale* (Cruciferae)  
*Physaria* sp. (Cruciferae)  
*Raphanus sativus* (Cruciferae)  
*Reseda* sp. (Resedaceae)  
*Rorippa curvisiliqua* (Cruciferae)  
*Selenia aurea* (Cruciferae)  
*Sisymbrium* sp., *S. altissimum* (Cruciferae)  
*Solanum carolinense* (Solanaceae)  
*Thelypodium elegans*, *T. lasiophyllum* (Cruciferae)  
*Thlaspi arvense* (Cruciferae)  
*Tropaeolum majus* (Cruciferae)

**PIERIS** Schrank, 1801

- Ganoris* Dalman, 1816  
*Andropodum* Hübner, 1822  
*Artogeia* Verity, 1947  
 4197 **rapae** (Linnaeus, 1758) (McD 86) **27.1-3**  
*napaeae* (Esper, 1805)  
*metra* Stephens, 1827  
 f. *yreka* Reakirt, 1866  
 ab. *novangliae* Scudder, 1872  
 ab. *immaculata* Skinner & Aaron, 1889, preocc. (de Selys-Longchamps, 1857)  
 ab. *immaculata* Cockerell, 1899, preocc. (de Selys-Longchamps, 1857)  
 Cabbage butterfly; Imported cabbageworm  
 Range.- I-VIII (N.Am. [introd.]: Newfd.-FL/Yukon-CA; Mex.; Bermuda; Hawaii; UK-Morocco/Japan-China; Australia; New Zealand)  
 Dates.- Jan-Dec  
 Hosts.- *Arabis glabra* (Cruciferae)  
*Armoracia aquatica*, *A. lapathifolia* (Cruciferae)  
*Barbarea orthoceras*, *B. verna*, *B. vulgaris* (Cruciferae)  
*Berberis vulgaris* (Berberidaceae)  
*Brassica* sp., *B. caulorapa*, *B. geniculata*, *B. hirta*, *B. juncea*, *B. kaber*, *B. napobrassica*, *B. napus*, *B. nigra*, *B. oleracea* var. *acephala*, *B. oleracea* var. *botrytis*, *B. oleracea* var. *capitata*, *B. oleracea* var. *viridis* (Cruciferae)  
*Cakile edentula* (Cruciferae)  
*Capparis sandwichiana* (Capparidaceae)  
*Capsella bursa-pastoris* (Cruciferae)  
*Cardaria draba* (Cruciferae)

- Cassia marilandica* (Leguminosae)  
*Caulanthus cooperi* (Cruciferae)  
*Cleome* sp., *C. serrulata* (Capparidaceae)  
*Dentaria diphylla* (Cruciferae)  
*Descurainia sophia* (Cruciferae)  
*Eruca sativa* (Cruciferae)  
*Erysimum perenne* (Cruciferae)  
*Hesperis matronalis* (Cruciferae)  
*Lactuca sativa* (Compositae)  
*Lepidium campestre*, *L. densiflorum*, *L. latifolium*, *L. virginicum* (Cruciferae)  
*Lobularia maritima* (Cruciferae)  
*Lunaria annua* (Cruciferae)  
*Matthiola* sp., *M. incana* (Cruciferae)  
*Mesembryanthemum crystallinum* (Aizoaceae)  
*Nasturtium officinale* (Cruciferae)  
*Raphanus* sp., *R. raphanistrum*, *R. sativus* (Cruciferae)  
*Reseda odorata* (Resedaceae)  
*Rorippa curvisiliqua*, *R. fernaldiana*, *R. pulustris* (Cruciferae)  
*Sisymbrium altissimum*, *S. irio*, *S. officinale* (Cruciferae)  
*Streptanthus tortuosus* (Cruciferae)  
*Thlaspi arvense* (Cruciferae)  
*Tropaeolum cleome*, *T. majus* (Cruciferae)

**ASCI** Scopoli, 1777

- 4198 **monuste** (Linnaeus, 1764) (McD 88) T  
*hippomonuste* (Hübner, 1816)  
*feronia* (Stephens, 1828)  
*cleomes* (Boisduval & Leconte, [1829])  
*suasa* (Boisduval, 1836)  
*albusta* (Sepp, [1852]-55)  
*crameri* Holland, 1931

a) **phileta** (Fabricius, 1775) **27.6-8**

- Southern white; Mustard white; Great southern white  
 Range.- II-VIII (FL/TX[strays north]; West Indies; Mex.-Argentina) [FL subsp.]  
 Dates.- Jan-Dec  
 Hosts.- *Armoracia rusticana* (Cruciferae)  
*Batis maritima* (Batidaceae)  
*Brassica oleracea*, *B. oleracea* var. *acephala*, *B. oleracea* var. *capitata*, *B. rapa* (Cruciferae)  
*Cakile edentula*, *C. maritima* (Cruciferae)  
*Calendula* sp. (Compositae)  
*Capparis* sp., *C. flexuosa*, *C. grandigera* (Capparidaceae)  
*Capsella* sp. (Cruciferae)  
*Cleome gynandra*, *C. rufidosperma*, *C. spinosa* (Capparidaceae)  
*Lepidium* sp., *L. virginicum* (Cruciferae)  
*Nasturtium* sp. (Cruciferae)  
*Pedicularia pentaphylla* (Capparidaceae)  
*Polanisia* sp. (Capparidaceae)  
*Raphanus sativus* (Cruciferae)  
*Sesuvium maritimum* (Aizoaceae)  
*Tropaeolum* sp. (Cruciferae)

**ANTHOCHARINI**

- ANTHOCHARIS** Boisduval, Rambur & Graslin, 1833  
*Tetracharis* Grote, 1898

- Anthocaris* auct., missp.  
*Anthochris* Cook, 1948, missp.  
 Subgenus **PARAMIDEA** Kuznezov, [1928]  
*Midea*.– Herrich-Schäffer, 1867, part, (not Bruzelli, 1854)  
*Falcapica* Klots, 1930, repl. name  
 4207 **midea** (Hübner, [1809]) (McD 30)  
*genutia*.– (Fabricius, 1793) (not Cramer, 1780)  
*lherminieri* (Godart, [1819])  
*flavida* (Skinner, 1917)  
*medea* (Leussler, 1938), missp.  
*annickae* (dos Passos & Klots, 1969)  
 Falcate orangetip  
 Range.– I (e. U.S.: MA-FL/WI-TX)  
 Dates.– Mar  
 Hosts.– *Arabidopsis thaliana* (Cruciferae)  
*Arabis canadensis*, *A. glabra*, *A. laevigata*, *A. lyrata* (Cruciferae)  
*Barbarea verna*, *B. vulgaris* (Cruciferae)  
*Berberis vulgaris* (Berberidaceae)  
*Capsella bursa-pastoris* (Cruciferae)  
*Cardamine* sp., *C. bulbosa*, *C. hirsuta*, *C. parviflora* (Cruciferae)  
*Dentaria diphylla*, *D. heterophylla*, *D. laciniata* (Cruciferae)  
*Lepidium densiflorum* (Cruciferae)  
*Sisymbrium* sp. (Cruciferae)

## COLIADINAE

- COLIAS** Fabricius, 1807  
*Eurymus* Horsfield, 1829  
*Scalidoneura* Butler, 1871  
*Eriocolias* Watson, 1895  
*Coliastes* Hemming, 1931  
 4209 **philodice** Godart, [1819] (McD 42) **26.7**  
*europome*.– Haworth, 1803 (not Esper, 1778)  
*dorippe* Godart, [1819]  
*f. anthyale* Hübner, [1823], spr. f.  
*europome*.– Stephens, 1828 (not Esper, 1778)  
*santes* Fitch, 1854  
*philodin* W. H. Edwards, 1872, missp.  
*f. eriphyle* W. H. Edwards, 1876, spr. f., aut. f.  
*f. nig* Strecker, 1878  
*f. alba* Strecker, 1878  
*ab. virida* Strecker, 1878  
*hagenii* W. H. Edwards, 1884  
*maria* W. H. Edwards, 1884  
*f. autumnalis* Cockerell, 1888, aut. f.  
*ab. suffusa* Cockerell, 1889  
*f. miscidice* Scudder, 1889, ♀f  
*f. pallidice* Scudder, 1889, ♀f  
*f. nigradice* Scudder, 1889, ♂f  
*f. albinic* Skinner, 1898, ♀f  
*f. melanic* Skinner, 1898, ♂f  
*f. nigrina* Strecker, 1900, ♂f  
*f. alba* Röber, 1910, ♀f, preocc. (Staudinger, 1871)  
*ab. rothkei* Reiff, 1917  
*ab. nigrofasciata* Reiff, 1917  
*ab. nigrofasciata* Reiff, 1918, redesc.  
*ab. inversata* Nakahara, 1925  
*ab. plicaduta* Nakahara, 1925

- ab. minor* F. Chermock, 1927  
*ab. ehrmanni* F. Chermock, 1927  
*f. alba* F. Chermock, 1927, ♀f (not Strecker, 1878)  
*f. albida* F. Chermock, 1928, ♀f  
*f. serrata* F. Chermock, 1929, ♂f  
*notatus* A. Clark & L. Clark, 1941  
*ab. reducta* Dufrane, 1947  
 Clouded sulphur; Common sulphur  
 Range.– I-II (N. Am.: Newfd.-FL/AK-CA; Mex.-Guatemala)  
 Dates.– Mar-Apr  
 Hosts.– *Astragalus* sp., *A. adsurgens*, *A. crassicaarpus*, *A. decumbens*, *A. miser*, *A. plattensis* (Leguminosae)  
*Baptisia tinctoria* (Leguminosae)  
*Caragana* sp. (Leguminosae)  
*Cytisus* sp. (Leguminosae)  
*Hedysarum boreale* (Leguminosae)  
*Lathyrus leucanthus* (Leguminosae)  
*Lotus* sp. (Leguminosae)  
*Lupinus perennis* (Leguminosae)  
*Medicago sativa* (Leguminosae)  
*Melilotus alba* (Leguminosae)  
*Pisum sativum* (Leguminosae)  
*Robinia pseudoacacia* (Leguminosae)  
*Thermopsis divaricarpa*  
*Trifolium agrarium*, *T. hybridum*, *T. longipes*, *T. pratense*, *T. repens* (Leguminosae)  
*Vicia americana*, *V. cracca* (Leguminosae)  
 4210 **eurytheme** Boisduval, 1852 (McD 41) **25.10-12**  
*amphidusa* Boisduval, 1852 **26.5-6**  
*californiana* Ménétries, 1855  
*amphidona* W. H. Edwards, 1869, missp.  
*keewaydin* W. H. Edwards, 1869  
*ariadne* W. H. Edwards, 1870  
*enegthenu* W. H. Edwards, 1872, missp.  
*f. alba* Strecker, 1878, ♀f (not Staudinger, 1871)  
*flava* Strecker, 1878  
*hybrida* Strecker, 1878  
*f. pallida* Cockerell, 1888, ♀f  
*typica* Cockerell, 1888  
*ab. intermedia* Cockerell, 1888, ♀f  
*f. autumnalis* Cockerell, 1888, aut. f.  
*ab. luteitincta* Wolcott, 1893  
*ab. fumosa* Strecker, 1900, ♀f  
*f. keetenai* Cockle, 1910, alt. f.  
*ab. unicitrina* (Gunder, 1924), ♂f  
*ab. laurae* (F. Chermock, 1929)  
*ab. nigricosta* (F. Chermock, 1929)  
*ab. rudkini* (Gunder, 1932), ♂f  
*unicitina* L. Miller & F. M. Brown, 1983, missp.  
 Alfalfa butterfly; Alfalfa caterpillar; Orange sulphur  
 Range.– I-VIII (N. Am.: Newfd.-FL/BC-CA; Mex.)  
 Dates.– Feb-Nov  
 Hosts.– *Astragalus* sp., *A. alpinus*, *A. antiselli*, *A. bisulcatus*, *A. carassicaarpus*, *A. crotalariae*, *A. drummondii*, *A. flexuosus*, *A. plattensis*, *A. racemosus*, *A. whitneyi* (Leguminosae)  
*Baptisia* sp. (Leguminosae)

- Cassia* sp. (Leguminosae)  
*Citrullus vulgaris* (Cucurbitaceae)  
*Coronilla* sp. (Leguminosae)  
*Glycine max* (Leguminosae)  
*Glycyrrhiza lepidota* (Leguminosae)  
*Gossypium herbaceum* (Malvaceae)  
*Lathyrus leucanthus*, *L. jepsoni* (Leguminosae)  
*Lespedeza* sp. (Leguminosae)  
*Lotus* sp., *L. crassifolius*, *L. grandiflorus*, *L. purshianus*, *L. scoparius*, *L. strigosus*, *L. subpinnatus* (Leguminosae)  
*Lupinus bicolor*, *L. minimus*, *L. perennis*, *L. succulentus* (Leguminosae)  
*Medicago hispida*, *M. lupulina*, *L. sativa* (Leguminosae)  
*Melilotus alba*, *M. officinalis* (Leguminosae)  
*Phaseolus* sp. (Leguminosae)  
*Pisum sativum* (Leguminosae)  
*Psoralea* sp. (Leguminosae)  
*Sesbania exaltata* (Leguminosae)  
*Thermopsis montana* (Leguminosae)  
*Trifolium* sp., *T. longipes*, *T. nanum*, *T. pratense*, *T. reflexum*, *T. repens*, *T. stoloniferum*, *T. tridentatum* (Leguminosae)  
*Vicia americana*, *V. angustifolia*, *V. cracca*, *V. sativa* (Leguminosae)
- ZERENE** Hübner, [1819]  
*Megonostoma* Reakirt, 1863  
*Megonostoma* auct., missp.
- 4224 **cesonia** (Stoll, 1790) (McD 55) **25.20-22**  
*f. rosa* (McNeill, 1889), aut. f.  
*f. rosea* (Röber, 1910)  
ab. *immaculsecunda* Gunder, 1928  
*f. stainkeae* (Field, 1936), ♀f  
*caesonia* auct., missp.  
Dogface; Southern dogface  
Range.- I-VII (N. Am.: NY-FL/Man.-CA; West Indies; Mex.-Argentina)  
Dates.- Jan-Dec  
Hosts.- *Amorpha californica*, *A. canescens*, *A. fruticosa* (Leguminosae)  
*Dalea alba*, *D. frutescens*, *D. pogonathera*, *D. purpurea* (Leguminosae)  
*Dyssodia papposa* (Compositae)  
*Glycine* sp. (Leguminosae)  
*Medicago* sp., *M. sativa* (Leguminosae)  
*Trifolium* sp. (Leguminosae)
- ANTEOS** Hübner, [1819]  
*Amynthia* Swainson, 1831  
*Rhodocera*.- auct. (not Boisduval & LeConte, 1830)  
*Gonepteryx*.- auct. (not Leach, 1815)
- 4227 **maerula** (Fabricius, 1775) (McD 55.1) T  
a) **lacordairei** (Boisduval, 1836)  
Yellow brimstone; Giant brimstone; Yellow angled sulphur  
Range.- III-VIII (s. U.S.: FL-AZ [stray]; West Indies; Mex.-Peru)  
Dates.- Apr, Jul-Sep (stray)  
Hosts.- *Cassia* sp., *C. emargirata* (Leguminosae)
- PHOEBIS** Hübner, [1819]  
*Colisa* Hübner, [1819], not Fabricius, 1807  
*Callidryas* Boisduval & Leconte, 1830
- Metura* Butler, 1873  
*Parura* Kirby, 1896  
*Pheobis* Fine, 2002, missp.
- 4228 **sennae** (Linnaeus, 1758) (McD 57) T  
a) **eubule** (Linnaeus, 1767) **26.1-3**  
*drya* (Fabricius, 1775), spr. f.  
*f. pallida* Cockerell, 1889, ♀f  
*f. browni* Field, 1936, ♀f  
Cloudless sulphur  
Range.- I-VIII (U.S.: ME-FL/MT-CA; West Indies; Mex.-Argentina)  
Dates.- Jan-Dec  
Hosts.- *Bauhinia* sp. (Leguminosae)  
*Cassia* sp., *C. bicapsularis*, *C. cinerea*, *C. corymbosa*, *C. covesii*, *C. fasciculata*, *C. marilandica*, *C. nictitans*, *C. obtusifolia*, *C. occidentalis*, *C. tomentosa*, *C. tora* (Leguminosae)  
*Crotalaria agatiflora* (Leguminosae)  
*Indigofera hirsuta* (Leguminosae)  
*Trifolium* sp. (Leguminosae)
- 4229 **philea** (Johansson, 1763) (McD 58) T **25.13-15**  
*aricye* (Cramer, 1779)  
*f. melanippe* (Stoll, 1782), spr. f.  
*corday* (Hübner, [1819])  
*f. obsoleta* Niepelt, 1920, ♀f  
Orange-barred sulphur  
Range.- I-VIII (U.S.: ME [stray]-FL/MN-CA; West Indies; Mex.-Brazil)  
Dates.- Jan-Dec  
Hosts.- *Acacia* sp. (Leguminosae)  
*Aeschynomene americana* (Leguminosae)  
*Albizia* sp. (Leguminosae)  
*Cassia* sp., *C. abbreviata beareana*, *alata*, *C. artemisiodes*, *C. bahamensis*, *C. bergia*, *C. bicapsularis*, *C. corymbosa*, *C. ekmaniana*, *C. fistula*, *C. grandis*, *C. javanica*, *C. marilandica*, *C. nodosa*, *C. occidentalis*, *C. quinquangulata*, *C. siberiana*, *C. surattensis* (Leguminosae)
- 4231 **agarithe** (Boisduval, 1836) (McD 60) T **26.4**  
*argante*.- auct. (not Fabricius, 1775)  
a) **maxima** (Neumoegen, 1891) **25.27-28**  
*floridensis* (Röber, 1910), preocc. (Neumoegen, 1891)  
*f. albarithe* F. M. Brown, 1929  
Large orange sulphur  
Range.- I-VIII (U.S.: ME [stray]-FL/MN-CA) (other ssp.: West Indies; Mex.-Brazil)  
Dates.- Jan-Dec  
Hosts.- *Cassia* sp., *C. bicapsularis* (Leguminosae)  
*Inga vera* (Leguminosae)  
*Pithecellobium dulce*, *P. flexicaule*, *P. guadalupense*, *P. keyense*, *P. unguis-cati* (Leguminosae)
- APHRISSA** Butler, 1873  
4233 **statira** (Cramer, 1777) (McD 62) T  
\* a) **floridensis** (Neumoegen, 1891)  
Migrant sulphur; Florida statira sulphur  
Range.- III-VIII (s. U.S.: FL; OK [stray]-AZ; West Indies; Mex.)  
Dates.- Jan-Dec  
Hosts.- *Calliandra* sp., *C. haematocephala* (Leguminosae)  
*Cassia* sp. (Leguminosae)  
*Dalbergia ecastophyllum* (Leguminosae)

- Entada gigas* (Leguminosae)  
*?Melicocca bijuga* (Sapindaceae)
- 4234 **orbis** (Poey, 1832) (McD --) T  
 Orbed sulphur  
 Range.— VIII (FL; West Indies)  
 Dates.— Apr (stray)  
 Hosts.— *Caesalpinia pulcherrima* (Leguminosae)
- KRICOSONIA** Reakirt, 1863
- 4235 **lysida** (Godart, [1819]) (McD 63) T  
*castalia*.— auct. (not Fabricius, 1793)  
*terissa* (Lucas, 1852)  
*fantasia* (Butler, 1871)  
 f. *lanice* Lintner, 1884 female  
 f. *unicolor* Godman & Salvin, 1889  
 f. *xanthophila* Röber, 1889  
 Guayacan sulphur; Lyside sulphur  
 Range.— IV–VIII (s. U.S.: FL; NE [stray]-CA; West Indies; Mex.-Venezuela)  
 Dates.— May–Oct  
 Hosts.— *Guaiacum angustifolium*, *G. officinale*, *G. sanctum* (Zygophyllaceae)  
*Porlieria angustifolia* (Zygophyllaceae)
- EUREMA** Hübner, [1819]  
*Heurema* Agassiz, 1846, emend.  
*Sphaenogona* Butler, 1870  
*Terias*.— auct. (not Swainson, 1821)
- Subgenus **PYRISITIA** Butler, 1870
- 4237 **lisa** (Boisduval & Leconte, 1829) T **26.9-10, 20** (McD 72)  
*euterpe*.— auct. (not Ménétries, 1832)  
 f. *alba* (Strecker, 1878) female  
*clappi* (Maynard, 1891)  
 f. *immaculata* Whittaker & D. Stallings, 1944, sum. f.  
 Little sulphur; Little yellow  
 Range.— I–VIII (N. Am.: N.S. [stray]-FL/Man. [stray]-AZ; West Indies; Mex.-Costa Rica)  
 Dates.— Jan–Dec  
 Hosts.— *Amphicarpa* sp. (Leguminosae)  
*Cassia* sp., *C. fasciculata*, *C. marilandica*, *C. nictitans*, *C. occidentalis* (Leguminosae)  
*Desmanthus* sp. (Leguminosae)  
*Glycine* sp. (Leguminosae)  
*Mimosa pudica* (Leguminosae)  
*Trifolium* sp. (Leguminosae)
- 4238 **nise** (Cramer, 1775) (McD 74) T  
*neda* (Godart, [1819])  
*nelphe* (R. Felder, 1869)  
*linda* (W. H. Edwards, 1884)  
*perimede*.— Klots, 1919 (not Prittwitz, 1865)  
 Blacktip sulphur; Jamaican sulphur; Mimosa sulphur  
 Range.— VI–VIII (s. U.S.: FL; TX–AZ; West Indies; Mex.-Argentina)  
 Dates.— Apr–Dec  
 Hosts.— *Desmanthus virgatus* (Leguminosae)  
*Lysiloma latisiligua* (Leguminosae)  
*Mimosa pudica* (Leguminosae)
- 4239 **messalina** (Fabricius, 1787) (McD 66) T  
 a) **blakei** (Maynard, 1891)  
 Messalina sulphur; Shy yellow  
 Range.— III (FL; West Indies)  
 Dates.— Oct (stray)
- Hosts.— *Desmodium* sp. (Leguminosae)
- 4240 **dina** (Poey, 1832) (McD 73.1) T  
 a) **helios** M. Bates, 1934  
 Bush sulphur; Dina yellow  
 Range.— VI–VIII (s. U.S.: FL; TX; AZ; West Indies; Mex.-Panama)  
 Dates.— Jan–Dec  
 Hosts.— *Alvaradoa amorphoides* (Leguminosae)  
*Picramnia andicola*, *P. pentandra* (Simaroubaceae)
- Subgenus **ABAEIS** Hübner, [1819]  
*Xanthidia* Boisduval & Leconte, 1829
- 4242 **nicippe** (Cramer, 1780) (McD 67) T **25.8-9, 18-19**  
 ab. *flava* (Strecker, 1878) female **26.8**  
 ab. *dammersi* Gunder, 1930 female  
 ab. *callae* Field, 1936  
 f. *pallens* Whittaker & D. Stallings, 1944, sum. f.  
 Sleepy orange; Nicippe sulphur  
 Range.— I–VIII (s. U.S.: VT [stray]-FL/CO–CA; West Indies; Mex.-Brazil)  
 Dates.— Jan–Dec  
 Hosts.— *Aeschynomene americana* (Leguminosae)  
*Cassia* sp. *C. armata*, *C. bicapsularis*, *C. corymbosa*, *C. covesii*, *C. fasciculata*, *C. lindheim-eriana*, *C. marilandica*, *C. nictitans*, *C. obtusifolia*, *C. occidentalis*, *C. tomentosa* (Leguminosae)  
*Trifolium* sp. (Leguminosae)
- Subgenus **EUREMA** Hübner, [1819]
- 4243 **daira** (Godart, [1819]) (McD 64) T **25.23-26**  
*delia* (Cramer, 1780), preocc. ([Denis & Schiffermüller], 1775)  
*demoditus* Hübner, [1819]  
 f. *jucunda* Boisduval & Leconte, 1829  
*palmira*.— auct. (not Poey, 1846)  
 f. *albina* (Poey, 1851)  
 f. *pallidula* Klots, 1928 female  
 ab. *fusca* L. Harris, 1931  
 f. *delioides* Haskin, 1933  
*elathea*.— auct., not Cramer, 1777  
*lydia*.— dos Passos, 1964 (not C. Felder & R. Felder, 1861)  
 f. *pallida* dos Passos, 1964, missp.  
 Barred sulphur; Barred yellow  
 Range.— I–VIII (s. U.S.: MD [stray]-FL/TX–AZ) (other ssp., West Indies; Mex.-Brazil)  
 Dates.— Jan–Dec  
 Hosts.— *Aeschynomene americana*, *A. viscidula* (Leguminosae)  
*Cassia* sp. (Leguminosae)  
*Desmodium* sp. (Leguminosae)  
*Glycine* sp. (Leguminosae)  
*Medicago lupulina* (Leguminosae)  
*Meibomia* sp. (Leguminosae)  
*Mimosa pudica* (Leguminosae)  
*Stylosanthes biflora* (Leguminosae)  
*Trifolium* sp. (Leguminosae)
- 4245 **boisduvaliana** (C. Felder & R. Felder, [1865]) (McD 68)  
*ingrata* R. Felder, 1869  
 Boisduval's sulphur; Boisduval's yellow  
 Range.— VI–VIII (s. U.S.: FL; TX–AZ; Cuba; Mex.-Costa Rica)  
 Dates.— May–Jun, Sep (stray)

Hosts.— *Cassia bicapsularis*, *C. occidentalis* (Leguminosae)

### NATHALIS Boisduval, 1836

- Natalis* Doubleday, 1848, missp.  
4248 **iole** Boisduval, 1836 (McD 75) **26.11-14**  
f. *felicia* Poey, 1853 female  
f. *irene* Fitch, 1856 female  
f. *luteolus* Reakirt, 1863 female  
f. *immaculata* Field, 1936, sum. f.  
ab. *pallida* Field, 1936 female  
f. *albida* Avinoff, 1941 male  
f. *viridis* Whittaker & D. Stallings, 1944, wint.  
f.  
f. *alayoi* de la Torre C., 1951, sum. f.

Dainty sulphur

Range.— I-VIII (N.Am.: CT-FL/Sask. [stray]-CA; West Indies; Mex.-Colombia)

Dates.— Jan-Dec

Hosts.— *Bidens alba*, *B. pilosa* (Compositae)  
*Dyssodia papposa* (Compositae)  
*Erodium cicutarium* (Geraniaceae)  
*Helenium autumnale*, *H. bigelovii* (Compositae)  
*Palafoxia linearis* (Compositae)  
*Stellaria media* (Caryophyllaceae)  
*Tagetes* sp. (Compositae)  
*Thelosperma filifolium* var. *filifolium* (Compositae)

## LYCAENIDAE

### MILETINAE

#### SPALGINI

### FENISECA Grote, 1869

- 4249 **tarquinius** (Fabricius, 1793) (McD 419) **25.36**  
*crataegi* (Boisduval & Leconte, [1833])  
*porsema* (Scudder, 1863)  
ab. *suffusa* Dean, 1918  
Harvester  
Range.— I-IV (e. N.Am.: N.S.-FL/Man.-TX)  
Dates.— Feb-May, Aug-Dec  
Hosts.— [predacious].— aphids (*Fagiphagus* sp., *Meliarhizophagus* sp., *Neoprociophilus* sp., *Pemphigus* sp., *Prociphagus* sp., *Schixoneura* sp.) on:  
*Acer* sp. (Aceraceae)  
*Alnus* sp. (Betulaceae)  
*Crataegus* sp. (Rosaceae)  
*Echinocystis* sp. (Cucurbitaceae)  
*Fagus* sp. (Fagaceae)  
*Fraxinus* sp. (Oleaceae)  
*Hamamelis* sp. (Hamamelidaceae)  
*Ilex* sp. (Aquifoliaceae)  
*Malus* sp. (Rosaceae)  
*Ribes* sp. (Saxifragaceae)  
*Smilax* sp. (Smilacaceae)  
*Ulmus* sp. (Ulmaceae)

## THECLINAE

### EUMAEINI

### EUMAEUS Hübner, [1819]

- Eumenia* Godart, [1824]  
4268 **atala** (Poey, 1832) (McD 354) T  
\* a) **florida** Röber, 1926 **25.34**  
*grayi* W. P. Comstock & Huntington, 1943

Florida atala; Coontie hairstreak

Range.— VI-VIII (Florida) [other subsp. in West Indies]

Dates.— Jan-Dec

Hosts.— *Cycas* sp., *C. cairnsiana*, *C. revoluta* (Cycadaceae)  
*Encephalartos hildebrandtii*, *E. villosus* (Zamiaceae)  
*Macrozamia lucida* (Zamiaceae)  
*Zamia* sp., *Z. fischeri*, *Z. fairchildiana*, *Z. furfuracea*, *loddigesii*, *Z. pumila*, *Z. pygmaea*, *Z. skinneri*, *Z. vazquessii* (Zamiaceae)

### STRYMONINI

### ATLIDES Hübner, [1819]

- 4270 **halesus** (Cramer, 1777) (McD 356) **25.35, 39-40**  
*dolichos* (Hübner, [1823])  
*juanita* Scudder, 1868  
Great purple hairstreak  
Range.— I-IV (U.S.: NY-FL/MO-TX; CO-NM/OR-CA; Mex.)  
Dates.— Jan-Dec  
Hosts.— *Phoradendron* sp., *P. bolleanum* var. *densum*, *P. californicum*, *P. flavescens*, *P. juniperinum*, *P. serotinum*, *P. villosum* (Loranthaceae)

### CHLOROSTRYMON Clench, 1961

- 4271 **maesites** (Herrich-Schäffer, 1864) T **25.41-42**  
(McD 365.1)  
Maesites hairstreak; Verde azul hairstreak; Amethyst hairstreak  
Range.— VI-VIII (s. U.S.: FL; TX; West Indies; Mex.-Bolivia)  
Dates.— Jan-Dec  
Hosts.— *Albizia lebbek* (Leguminosae)  
4273 **simaethis** (Drury, 1773) (McD 363) T  
Silver-banded hairstreak; St. Christopher's hairstreak  
Range.— VI-VIII (s. U.S.: FL; TX-CA; West Indies; Mex.)  
Dates.— May-Dec  
Hosts.— *Cardiospermum* sp. *C. corindum*, *C. halicacabum* (Sapindaceae)  
*Eupatorium villosum* (Compositae)

### SATYRIUM Scudder, 1876

- Callipsyche* Scudder, 1876  
*Harkenclenus*.— auct. (not dos Passos, 1970)  
4275 **titus** (Fabricius, 1793) (McD 380)  
a) **mopsus** (Hübner, 1818)  
Coral hairstreak  
Range.— I (N.Am.: N.S.-FL/B.C.-CA)  
Dates.— May-Jul  
Hosts.— *Prunus* sp., *P. americana*, *P. angustifolia*, *P. cerasus*, *P. domestica*, *P. ilicifolia*, *P. serotina*, *P. virginiana* (Rosaceae)  
4282 **calanus** (Hübner, [1809]) (McD 386/387) **28.21-23**  
*wittfieldii* (W. H. Edwards, 1883)  
Banded hairstreak  
a) **calanus** (Hübner, [1809])  
Range.— II-IV (se. U.S.: GA-FL)  
Dates.— Apr-Jun  
Hosts.— *Carya* sp. (Juglandaceae)  
*Quercus* sp. (Fagaceae)  
b) **falacer** (Godart, [1824])

- Range.— I (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.— Apr-Jun  
 Hosts.— *Acer negundo* (Aceraceae)  
*Carya* sp., *C. glabra*, *C. ovata* (Juglandaceae)  
*Castanea dentata* (Fagaceae)  
*Crataegus* sp. (Rosaceae)  
*Fraxinus* sp. (Oleaceae)  
*Juglans cinerea*, *J. microcarpa*, *J. nigra* (Juglandaceae)  
*Malus pumila* (Rosaceae)  
*Quercus* sp., *Q. alba*, *Q. falcata*, *Q. gambelii*, *Q. incana*, *Q. laevis*, *Q. macrocarpa*, *Q. prinus*, *Q. rubra* (Fagaceae)
- 4284 **kingi** (Klots & Clench, 1952) (McD 389.1) **28.25**  
 King's hairstreak  
 Range.— I (se. U.S.: MD-FL/AR-TX)  
 Dates.— May-Jun  
 Hosts.— ?*Liquidambar styraciflua* (Hamamelidaceae)  
*Rhododendron calendulaceum* (Ericaceae)  
*Symplocos tinctoria* (Symplocaceae)  
 ?*Vaccinium crassifolium* (Ericaceae)
- 4285 **liparops** (Leconte, 1833) (McD 389) **28.24**  
 Striped hairstreak  
 a) **liparops** (Leconte, 1833)  
*floridensis* Gatrell, 2001  
 Range.— II-III (se. U.S.: SC-FL)  
 Dates.— Apr-Jun  
 Hosts.— *Carya* sp. (Juglandaceae)  
*Quercus* sp. (Fagaceae)  
*Vaccinium arboreum* (Ericaceae)  
 b) **strigosum** (Harris, 1862)  
 Range.— I (e. N.Am.: N.S.-FL/Alb.-TX)  
 Dates.— Apr-Jun  
 Hosts.— *Amelanchier arborea*, *A. canadensis* (Rosaceae)  
*Aronia melanocarpa* (Rosaceae)  
*Betula papyrifera* (Betulaceae)  
*Carpinus caroliniana* (Betulaceae)  
*Carya* sp. (Juglandaceae)  
*Castanea boyntonii*, *C. dentata* (Fagaceae)  
*Crataegus* sp., *C. pruinosa* (Rosaceae)  
*Fraxinus* sp. (Oleaceae)  
*Ilex* sp., *I. opaca* (Aquifoliaceae)  
*Malus pumila* (Rosaceae)  
*Podophyllum* sp., *P. peltatum* (Podophyllaceae)  
*Populus tremuloides* (Salicaceae)  
*Prunus americana*, *P. cerasus*, *P. domestica*, *P. ilicifolia*, *P. nigra*, *P. pensylvanica*, *P. serotina*, *P. virginiana* (Rosaceae)  
*Pyrus melanocarpa* (Rosaceae)  
*Quercus* sp., *Q. laevis*, *Q. rubra* (Fagaceae)  
*Rhododendron calendulaceum*, *R. canescens* (Ericaceae)  
*Rubus* sp. (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Sorbus* sp. (Rosaceae)  
*Vaccinium arboreum*, *V. corymbosum* (Ericaceae)
- MINISTRYMON** Clench, 1961  
*Tmolus*.— auct. (not Hübner, [1819])
- 4293 **azia** (Hewitson, 1873) (McD 369) T  
*nipona* (Hewitson, 1877)  
 Azia hairstreak; Light-banded hairstreak; Gray ministreak  
 Range.— VI-VIII (s. U.S.: FL; TX-AZ; West Indies; Mex.-S.Am.)  
 Dates.— Apr-Dec

- Hosts.— *Acacia* sp. (Leguminosae)  
*Leucaena latisiliqua*, *L. leucocephala* (Leguminosae)  
*Mimosa malacophylla* (Leguminosae)
- CALLOPHRYS** Billberg, 1820  
*Lycus* Hübner, [1819], preocc. (Fabricius, 1787)  
*Licus* Hübner, [1823], emend.  
 Subgenus **CALYCOPIS** Scudder, 1876
- 4299 **cecrops** (Fabricius, 1793) (McD 365) **28.8-10**  
*poas* (Hübner, [1811])  
 ab. *gottschalki* (A. H. Clark & L. Clark, 1938)  
 Red-banded hairstreak  
 Range.— I-VIII (e. U.S.: CT-FL/MN-TX)  
 Dates.— Jan-Dec  
 Hosts.— *Croton* sp., *C. linearis* (Euphorbiaceae)  
 ?*Gossypium herbaceum* (Malvaceae)  
*Myrica cerifera* (Myricaceae)  
*Rhus copallina* (Anacardiaceae)  
 Subgenus **MITOURA** Scudder, 1872, emend.  
*Mitouri* Scudder, 1872, missp.  
*Mitura* Rye, 1874, missp.
- 4318 **gryneus** (Hübner, [1819]) (McD 401)  
*damon* (Stoll, 1782), preocc. ([Denis & Schiffermüller], 1775)  
*damastus* (Godart, (1824))  
*auburniana* (Harris, 1862)  
*patersonia* (Brehme, 1907)  
 ab. *octoscripta* (Buchholz, 1951)  
*patersoniana* (L. Miller & F. M. Brown, 1981), missp.  
 a) **gryneus** (Hübner, [1819])  
 Olive juniper hairstreak; Juniper hairstreak  
 Range.— I (N.Am.: Ont.-FL/Man.-TX) [other subsp. B.C.-CA; Mex.)  
 Dates.— Mar-Sep  
 Hosts.— *Calocedrus decurrens* (Cupressaceae)  
*Cupressus forbesii*, *C. macnabiana*, *C. sargentii* (Cupressaceae)  
*Juniperus ashei*, *J. californica*, *J. communis*, *J. deppeana*, *J. flaccida*, *J. monosperma*, *J. occidentalis*, *J. osteosperma*, *J. pinchotii*, *J. scopulorum*, *J. silicicola*, *J. virginiana* (Cupressaceae)  
 ?*Smilax rotundifolia* (Smilacaceae)  
*Thuja plicata* (Cupressaceae)  
*Tsuga heterophylla* (Pinaceae)  
 b) **sweadneri** (F. Chermock, 1944)  
 Sweadner's juniper hairstreak  
 Range.— II-III (e. U.S.: SC-FL)  
 Dates.— Mar-Apr, Jun-Sep  
 Hosts.— *Juniperus silicicola* (Cupressaceae)
- 4319 **hesseli** (Rawson & Ziegler, 1950)  
*angulata* (Gatrell, 2001)  
 Hessel's hairstreak; White-cedar hairstreak  
 Range.— I (Atlantic/Gulf Coasts: ME-FL/AL)  
 Dates.— Mar-Oct  
 Hosts.— *Chamaecyparis thyoides* (Cupressaceae)  
 Subgenus **DECIDUPHAGUS** Johnson, 1992
- 4325 **irus** (Godart, [1824]) (McD 405)  
 f. *balteata* (Scudder, 1889)  
 a) **arsace** (Boisduval & Leconte, [1833])  
 Frosted elfin  
 Range.— II (e. U.S.: ME-FL/WI-TX)



- Dates.— Feb-Apr  
 Hosts.— *Baptisia tinctoria* (Leguminosae)  
*Cercis canadensis* (Leguminosae)  
*Crotalaria sagittalis* (Leguminosae)  
*Cyrilla racemiflora* (Cyrillaceae)  
*Ilex* sp. (Rosaceae)  
*Leucothoe racemosa* (Ericaceae)  
*Lupinus perennis* (Leguminosae)  
*Prunus* sp., *P. domestica*, *P. ilicifolia* (Rosaceae)  
*Vaccinium corymbosum*, *V. myrtillus* (Ericaceae)  
 4326 **henrici** (Grote & Robinson, 1867) (McD 407)  
 a) **margaretae** (dos Passos, 1943)  
 Woodland elfin; Henry's elfin  
 Range.— I-IV (e. N.Am.: N.S.-FL/Man.-NM) [GA-FL subsp.]  
 Dates.— Feb-Apr  
 Hosts.— *Cercis canadensis* (Leguminosae)  
*Cyrilla racemiflora* (Cyrillaceae)  
*Diospyros* sp. (Ebenaceae)  
*Gaylussacia baccata* (Ericaceae)  
*Ilex* sp., *I. opaca*, *I. cassine*, *I. vomitoria* (Aquifoliaceae)  
*Leucothoe racemosa* (Ericaceae)  
*Lupinus perennis*, *L. texensis* (Leguminosae)  
*Prunus* sp., *P. americana*, *P. domestica*, *P. pensylvanica*, *P. serotina*, *P. susquehannae* (Rosaceae)  
*Vaccinium* sp., *V. pallidum*, *V. corymbosum*, *V. vacillans* (Ericaceae)  
*Viburnum acerifolium* (Caprifoliaceae)  
 Subgenus **INCISALIA** Scudder, 1872  
 4328 **niphon** (Hübner, [1823]) (McD 413) **21.22**  
*nipha* (Morris, 1860), missp.  
 Eastern pine elfin  
 Range.— I-III (e. N.Am.: Newfd.-FL/Alb.-TX)  
 Dates.— Feb-May  
 Hosts.— ?*Juniperus* sp. (Cupressaceae)  
*Picea glauca* (Pinaceae)  
*Pinus* sp., *P. banksiana*, *P. echinata*, *P. resinosa*, *P. rigida*, *P. strobus*, *P. sylvestris*, *P. virginiana* (Pinaceae)
- FIXSENIA** Tutt, [1907]  
*Leechia* Tutt, [1907]  
*Strymonidia* Tutt, [1908]  
 Subgenus **EURISTRYPON** Clench, 1961  
*Eurystrymon* Tilden & Smith, 1986, missp.  
 4331 **favonius** (J. E. Smith, 1797) (McD 374/375) **28.18-20**  
 a) **favonius** (J. E. Smith, 1797)  
 Southern oak hairstreak; Southern hairstreak  
 Range.— I-IV (se. U.S.: SC-FL/AL-MS)  
 Dates.— Feb-Jul  
 Hosts.— *Quercus* sp., *Q. falcata*, *Q. marilandica*, *Q. nigra*,  
*Q. velutina*, *Q. virginiana* (Fagaceae)  
 b) **ontario** (W. H. Edwards, 1868)  
 Ontario hairstreak; Oak hairstreak  
 Range.— I (e. U.S.: NJ-FL/MO-TX)  
 Dates.— Apr-Jun  
 Hosts.— ?*Amphicarpaea bracteata*, *A. comosa* (Leguminosae)
- PARRHASIUS** Hübner, [1819]  
*Eupsyche* Scudder, 1876  
*Panthiades*— auct. (not Hübner, [1819])  
 4335 **m-album** (Boisduval & Leconte, [1833]) (McD 372) **25.37-38; 28.14**  
 f. *psyche* (Boisduval & Leconte, [1833]) male
- White-M hairstreak  
 Range.— I-IV (e. U.S.: CT-FL/MN-TX; Mex.-Venezuela)  
 Dates.— Feb-Dec  
 Hosts.— ?*Astragalus* sp. (Leguminosae)  
 ?*Crataegus* sp., *C. oxyacantha* (Rosaceae)  
 ?*Hymulus lupulus* (Moraceae)  
 ?*Hypericum* sp. (Guttiferae)  
 ?*Lotus argophyllus* var. *ornithopus* (Leguminosae)  
*Quercus* sp., *Q. alba*, *Q. marilandica*, *Q. virginiana* (Fagaceae)  
 ?*Tilia americana* (Tiliaceae)  
 ?*Vicia sativa* (Leguminosae)
- STRYPON** Hübner, [1818]  
*Callipareus* 1872  
*Callicista* Grote, 1873  
*Uranotes* Scudder, 1876, repl. name  
 4336 **melinus** Hübner, [1818] (McD 373) **28.15-17**  
*hyperici* (Boisduval & Leconte, [1833])  
 ab. *youngi* Field, 1936  
 Gray hairstreak; Cotton square borer  
 Range.— I-VIII (N.Am.: N.S.-FL/B.C.-CA; Mex.-Venezuela)  
 Dates.— Jan-Dec  
 Hosts.— *Abelmoschus esculentus* (Malvaceae)  
*Amorpha* sp. (Leguminosae)  
*Amphicarpaea bracteata*, *A. comosa* (Leguminosae)  
*Asclepias tuberosa* (Asclepiadaceae)  
*Astragalus bisulcatus*, *A. crotalariae*, *A. mexicanus*, *A. mollissimus* (Leguminosae)  
*Callirhoe leiocarpa* (Malvaceae)  
*Cardiospermum halicacabum* (Sapindaceae)  
*Carya illinoensis* (Juglandaceae)  
*Cassia alata*, *C. puberula* (Leguminosae)  
*Citrus limon* (Rutaceae)  
*Comptonia peregrina* var. *asplenifolia* (Myricaceae)  
*Crataegus apiifolia*, *C. marshalii*, *C. pedicellata* (Rosaceae)  
*Croton capitatus*, *C. monanthogynus* (Euphorbiaceae)  
*Cynoglossum officinale* (Boraginaceae)  
*Desmodium canadense*, *D. nudiflorum* (Leguminosae)  
*Diospyros texana* (Ebenaceae)  
*Echinocactus intertextus* [flowers] (Cactaceae)  
*Echites* sp. (Apocynaceae)  
*Eremocarpus setigerus* (Euphorbiaceae)  
*Eriogonum effusum*, *E. elatum*, *E. parvifolium* (Compositae)  
*Eriobotrya japonica* (Rosaceae)  
*Flagaria* sp. (Rosaceae)  
*Glycyrrhiza lepidota* (Leguminosae)  
*Gossypium herbaceum* (Malvaceae)  
*Herissantia crispa* (Malvaceae)  
*Hibiscus syriacus*, *H. tubiflorus* (Malvaceae)  
*Humulus lupulus* (Moraceae)  
*Hypericum* sp., *H. aureum* (Guttiferae)  
*Hyptis emoryi* (Labiatae)  
*Indigofera texana* (Leguminosae)  
*Lamium amplexicaule* (Labiatae)  
*Lantana* sp., *L. macropoda* (Verbenaceae)  
*Lespedeza capitata*, *L. hirta* (Leguminosae)  
*Lupinus* sp. *L. argenteus*, *L. diffusus*, *L. texensis*

- (Leguminosae)  
*Malus pumila* (Rosaceae)  
*Malva neglecta*, *M. nicaeensis*, *M. parviflora*, *M. rotundifolia* (Malvaceae)  
*Malvella leprosa* (Malvaceae)  
*Medicago sativa* (Leguminosae)  
*Melilotus alba* (Leguminosae)  
*Mentzelia* sp. (Loasaceae)  
*Neolloydia intertexta* (Cactaceae)  
*Nolina microcarpa* (Agavaceae)  
*Phaseolus limensis*, *P. lunulatus* var. *macrocarpus*, *P. vulgaris* (Leguminosae)  
*Pinus* sp. (Pinaceae)  
*Pisum sativum* (Leguminosae)  
*Portieria augustifolia* (Zygophyllaceae)  
*Polygonum lapathifolium* (Polygonaceae)  
*Rosa californica* (Rosaceae)  
*Quercus virginiana* (Fagaceae)  
*Rhamnus californica* (Rhamnaceae)  
*Rhododendron caledulaceum* (Ericaceae)  
*Rosa californica* (Rosaceae)  
*Rumex salicifolius* (Polygonaceae)  
*Rubus idaeus* var. *strigosus* (Rosaceae)  
*Sabal megacarpa* (Palmae)  
*Salvia mellifera* (Labiatae)  
*Sedum* sp. (Crassulaceae)  
*Sesbania drummondi* (Leguminosae)  
*Sphaeralcea ambigua* (Malvaceae)  
*Tecoma stans* (Bignoniaceae)  
*Trifolium arvense*, *T. incarnatum*, *T. eliganthum*, *T. repens*, *T. tridentatum* (Leguminosae)  
*Verbascum thapsius* (Scrophylariaceae)  
*Vicia* sp. (Leguminosae)  
*Vigna sinensis* (Leguminosae)  
*Zea mays* (Gramineae)  
4340 **martialis** (Herrich-Schäffer, 1864) T **25.45, 28.5**  
(McD 361)  
Martial hairstreak; Cuban gray hairstreak; Martial scrub hairstreak  
Range.— IV-VIII (FL; West Indies)  
Dates.— Jan-Dec  
Hosts.— *Suriana maritima* (Simaroubaceae)  
*Trema micrantha* (Ulmaceae)  
4343 **acis** (Drury, 1773) (McD 362) T  
*mars* (Fabricius, 1777)  
a) **bartrami** (W. P. Comstock & Huntington, 1943) **28.6-7**  
Bartram's hairstreak; Bartram's scrub hairstreak  
Range.— IV-VIII (FL; West Indies)  
Dates.— Jan-Dec  
Hosts.— *Croton* sp., *D. discolor*, *C. linearis* (Euphorbiaceae)  
4345 **istapa** (Reakirt, [1867]) (McD 366) T **28.11-13**  
*columella*.— auct. (not Fabricius, 1793)  
*eurytalus* (Butler, 1870)  
*modesta* (Maynard, 1873)  
*ocellifera* (Grote, 1873)  
*cybira* (Hewitson, 1874)  
*arecibo* (Comstock & Huntington, 1943)  
*clarionica* (Vázquez, 1958)  
*socoroica* (Vázquez, 1958)  
Dotted hairstreak; Modest hairstreak; Mallow scrub hairstreak  
Range.— III-VIII (s.U.S.: FL; TX-CA; West Indies; Mex.-Brazil)

- Dates.— Jan-Dec  
Hosts.— *Abutilon permolle* (Malvaceae)  
*Hibiscus denudatus* (Malvaceae)  
*Malvella leprosa* (Malvaceae)  
4346 **limenia** (Hewitson, 1868) T  
Disguised hairstreak; Disguised scrub hairstreak  
Range.— VIII (FL; West Indies)  
Dates.— Apr-May, Dec (stray)  
Hosts.— Unknown

- ELECTROSTRYMON** Clench, 1961  
4351 **sangala** (Hewitson, 1868) (McD 357) T  
*endymion*.— auct. (not Fabricius, 1775)  
Ruddy hairstreak  
Range.— VIII ([FL]; TX; Mex.-Brazil)  
Dates.— Feb (stray)  
Hosts.— Unknown  
4352 **angelia** (Hewitson, 1874) (McD --) T  
Fulvous hairstreak  
Range.— III-VIII (FL; West Indies)  
Dates.— Jan-Dec  
Hosts.— *Schinus terebinthifolius* (Anacardiaceae)

## POLYOMMATINAE

### ZIZEERINI

- BREPHIDIUM** Scudder, 1876  
4354 **isophthalma** (Herrich-Schäffer, 1862) (McD 441) T  
*barbouri* Clench, 1943  
*isophthalma* Pavulaan, [1994], missp.  
a) **pseudofea** (Morrison, 1873) **28.26-27**  
f. *carolina* Pavulaan, [1994]  
f. *insularis* Pavulaan & Gatrell, 1999, rev. stat.  
Eastern pygmy blue  
Range.— II-VIII (se. U.S.: SC-FL/AL-LA; West Indies)  
Dates.— Jan-Dec  
Hosts.— *Batis maritima* (Batidaceae)  
*Salicornia bigelovii*, *S. virginica* (Chenopodiaceae)  
*Sesuvium maritimum* (Aizoaceae)

### LAMPIDINI

- LEPTOTES** Scudder, 1876  
*Syntaurucoides* Kaye, 1904  
*Syntauruchoides* Sharp, 1905, missp.  
4356 **cassius** (Cramer, 1775) (McD 438) T **25.43-44**  
a) **theonus** (Lucas, 1857) **26.17**  
*catalina*.— auct. (not Fabricius, 1793)  
*floridensis* (Morris, 1873)  
Cassius blue; Tropical striped blue  
Range.— I-VIII (se. U.S.: SC-FL/MO-TX; West Indies; Mex.-Argentina)  
Dates.— Jan-Dec  
Hosts.— ?*Albizia* (Leguminosae)  
*Crotalaria incana*, *C. vitellina* (Leguminosae)  
*Desmodium* sp. (Leguminosae)  
*Galactia striata*, *G. volubilis* (Leguminosae)  
*Indigofera anil* (Leguminosae)  
*Lysiloma latisiliqua* (Leguminosae)  
*Macroptilium lathyroides* (Leguminosae)  
*Malpighia glabra* (Malpighiaceae)  
*Phaseolus limensis*, *P. lunatus* var. *lunonanus*, *P. vulgaris* (Leguminosae)  
*Piscidia piscipula* (Leguminosae)

*Pithecellobium* sp., *P. keyense*, *P. unguis-cati* (Leguminosae)

*Plumbago auriculata*, *P. capensis*, *P. scandens* (Plumbaginaceae)

# **CYCLARGUS** Nabokov, 1945

*Hemiargus*.— auct. (not Hübner, [1818])

*Echinargus* Nabokov, 1945

4358 **thomasi** (Clench, 1943) (McD 442) T

*ammon*.— auct. (not Lucas, 1857)

\* a) **bethunebakeri** (W. P. Comstock & Huntington, 1943), emend. **25.46-47**

*bethune-bakeri* (W. P. Comstock & Huntington, 1943), incorr. spell.

Miami blue; Caribbean blue

Range.— VI-VIII (FL; Bahamas; West Indies) [subsp.]

Dates.— Jan-Dec

Hosts.— *Caesalpinia* sp., *C. crista* (Leguminosae)

*Cardiospermum halicacabum* (Sapindaceae)

*Chiococca alba* (Rubiaceae)

*Pithecellobium guadaloupense* (Leguminosae)

4358.1 **ammon** (Lucas, 1857) (McD --) T

Ammon blue; Lucas' blue; Nickerbean blue

Range.— VIIIB (FL; West Indies)

Dates.— Jan-Dec

Hosts.— *Acacia farnesiana* (Leguminosae)

*Caesalpinia* sp., *C. bahamensis* (Leguminosae)

# **HEMIARGUS** Hübner, [1818]

4359 **ceraunus** (Fabricius, 1793) (McD 443) T

a) **antibubastus** Hübner, [1818] **26.18**

*pseudoptiletes* (Boisduval & Leconte, [1833])

Southern blue; Ceraunus blue; Florida blue

Range.— I-VIII (s.U.S.: NC-FL/NV-CA; West Indies; Mex.-Costa Rica)

Dates.— Jan-Dec

Hosts.— *Abrus precatorius* [flower buds] (Leguminosae)

*Acacia angustissima* var. *hirta* (Leguminosae)

*Astragalus crotalariae* (Leguminosae)

*Cassia brachiata*, *C. aspera* (Leguminosae)

*Crotalaria verrucosa* (Leguminosae)

*Macropitilium lathyroides* (Leguminosae)

*Medicago sativa* (Leguminosae)

*Mimosa pudica* (Leguminosae)

*Phaseolus* (Leguminosae)

*Prosopis juliflora*, *P. pubescens* (Leguminosae)

*Psorothamnus fremontii* (Leguminosae)

*Rhychosia minima* (Leguminosae)

*Sesbania macrocarpa* (Leguminosae)

# **EVERINI**

## **EVERES** Hübner, [1819]

*Tiora* Evans, 1912

*Ununcula* van Eecke, 1915

4361 **comyntas** (Godart, [1824]) (McD 447) **26.19**

*sissona* (W. G. Wright, 1905) **28.28**

*watermani* Nakahara, 1925

f. *meinersi* Field, 1938, spr. f.

Eastern tailed blue

Range.— I-IV (N. Am.: ME-FL/Man.-NM; OR-CA; Mex.-Costa Rica)

Dates.— Feb-Nov

Hosts.— *Astragalus* sp. (Leguminosae)

*Baptisia tinctoria* (Leguminosae)

*Desmodium canescens*, *D. marilandicum*, *D. rig-*

*idum* (Leguminosae)

*Galactia* sp. (Leguminosae)

*Lathyrus californicus*, *L. jepsoni*, *L. ochroleucus* (Leguminosae)

*Lespedeza capitata*, *L. hirta*, *L. intermedia*, *L. stipulaceae*, *L. texana* (Leguminosae)

*Lotus purshianus*, *L. scoparius*, *L. strigosus* (Leguminosae)

*Lupinus bicolor*, *L. latifolius*, *L. nanus*, *L. perennis* (Leguminosae)

*Medicago lupulina* (Leguminosae)

*Melilotus indicus*, *M. officinalis* (Leguminosae)

*Phaseolus polystachyus* (Leguminosae)

*Trifolium hybridum*, *T. pratense*, *T. repens*, *T. tridentatum* (Leguminosae)

*Vicia americana*, *V. angustifolia*, *V. cracca*, *V. sativa*, *V. villosa* (Leguminosae)

# **LYCAENOPSINI**

## **CELASTRINA** Tutt, 1906

*Cyaniris*.— auct. (not Dalman, 1816)

*Lycaenopsis*.— auct. (not C. Felder & R. Felder, [1865])

4363 **ladon** (Cramer, 1780) (McD 475)

*argiolus*.— auct. (not Linnaeus, 1758)

*pseudargiolus* (Boisduval & Leconte, [1833])

*lucia* (W. Kirby, 1837)

*violacea* (W. H. Edwards, 1866)

f. *intermedia* (Strecker, 1870)

*marginata* (W. H. Edwards, 1883)

ab. *fumida* (Scudder, 1889)

ab. *pseudora* (Scudder, 1889)

*argentata* (Fletcher, 1903)

ab. *brunnea* Tutt, 1908

ab. *subtusjuncta* Tutt, 1908

ab. *inaequalis* Tutt, 1908

*sidara* (Clench, 1944)

f. *lucimargina* Scott, 1981

Spring azure blue

Range.— I-III (N.Am.: Labr.-FL/AK-CA; Mex.)

Dates.— Feb-Apr

Hosts.— *Acer spicatum* (Aceraceae)

*Adenostoma fasciculatum* (Rosaceae)

*Aesculus californica* (Hippocastanaceae)

*Agastache nepetoides* (Labiatae)

*Amelanchier arborea* (Rosaceae)

*Apios americana* (Leguminosae)

*Aquilegia canadensis* (Ranunculaceae)

*Aralia chinensis*, *A. elata*, *A. hispida*, *A. nudicaulis*, *A. spinosa* (Araliaceae)

*Arctostaphylos* sp. (Ericaceae)

?*Asclepias* sp. (Asclepiadaceae)

*Baccharis glutinosa* (Compositae)

?*Begonia* sp. (Begoniaceae)

*Ceanothus* sp., *C. americanus*, *C. fendleri*, *C. integerrimus*, *C. leucodermis*, *C. ovatus*, *C. palmeri*, *C. thyrsiflorus* (Rhamnaceae)

*Chamaebatiaria millefolium* (Rosaceae)

*Chrysanthemum leucanthemum* (Compositae)

*Cimicifuga racemosa* (Ranunculaceae)

*Collinsonia canadensis* (Labiatae)

*Cornus acerifolium*, *C. alternifolia*, *C. amomum*, *C. florida*, *C. foemina*, *C. racemosa*, *C. stolonifera* (Cornaceae)

*Crotalaria sagittalis* (Leguminosae)

- Eriogonum wrightii* (Polygonaceae)  
*Erythrina herbacea* (Leguminosae)  
*Erythronium* sp. (Liliaceae)  
*Eupatorium perfoliatum* (Compositae)  
*Hamamelis virginiana* (Hamamelidaceae)  
*Helianthus* sp. (Compositae)  
*Heteromeles arbutifolia* (Rosaceae)  
*Holodiscus discolor*, *H. dumosus* (Rosaceae)  
*Hosackia* sp. (Leguminosae)  
*Humulus lupulus* (Moraceae)  
*Ilex* sp., *I. glabra*, *I. laevigata*, *I. opaca*, *I. vomitaria* (Aquifoliaceae)  
*Jamesia americana* (Saxifragaceae)  
*Ledum palustre* (Ericaceae)  
*Lespedeza* sp. (Leguminosae)  
*Ligustrum* sp. (Oleaceae)  
*Lonicera sempervirens*, *L. tatarica* (Caprifoliaceae)  
*Lotus* sp., *L. scoparius* (Leguminosae)  
*Lupinus* sp., *L. argenteus*, *L. chamissonis*, *L. densiflorus* (Leguminosae)  
*Malus pumila* (Rosaceae)  
*Melilotus officinalis* (Leguminosae)  
*Peraphyllum ramosissimum* (Rosaceae)  
*Petrophytum caespitosum* (Rosaceae)  
*Physocarpus monogynus* (Rosaceae)  
*?Prunus americana*, *P. ilicifolia*, *P. serotina*, *P. virginiana* (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Rhamnus cathartica* (Rhamnaceae)  
*Rhus* sp., *R. glabra*, *R. typhina* (Anacardiaceae)  
*Rubus cuneifolius*, *R. idaeus* var. *aculeatissimus* (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Spiraea latifolia*, *S. salicifolia* (Rosaceae)  
*Trifolium* sp. (Leguminosae)  
*Tropaeolum* sp. (Cruciferae)  
*Vaccinium* sp., *V. corymbosum* (Ericaceae)  
*Verbesina alternifolia*, *V. helianthoides*, *V. virginiana* (Compositae)  
*Viburnum* sp. *V. acerifolium*, *V. cassinoides*, *V. dentatum*, *V. lentago*, *V. prunifolium* (Caprifoliaceae)  
4363.1 **neglecta** (W. H. Edwards, 1862) **25.48-49**  
(McD 475, part)  
f. *deutargiolus* (Scudder, 1869), sum. f.  
f. *obsoletalumulata* Tutt, 1908, sum. f.  
Summer azure blue  
Range.— I-II (N.Am.: N.B.-FL/Sask.-TX)  
Dates.— Mar-Oct  
Hosts.— *Agastache nepetoides* (Labiatae)  
*Aralia nudicaulis*, *A. spinosa* (Araliaceae)  
*Ceanothus americanus*, *C. ovatus* (Rhamnaceae)  
*Cimicifuga racemosa* (Ranunculaceae)  
*Collinsonia canadensis* (Labiatae)  
*Cornus alternifolia*, *C. amomum*, *C. foemina*, *C. racemosa*, *C. sericea* (Cornaceae)  
*Erythrina herbacea* (Leguminosae)  
*Eupatorium perfoliatum* (Compositae)  
*Humulus lupulus* (Moraceae)  
*Lupinus argenteus* (Leguminosae)  
*Rhus glabra* (Anacardiaceae)  
*Spiraea latifolia* (Rosaceae)  
*Verbesina alternifolia* (Compositae)  
*Viburnum dentatum* (Caprifoliaceae)

## RIODINIDAE

### RIODININAE

#### CALEPHELIS Grote & Robinson, 1869

- Nymphidium*.— auct. (not Fabricius, 1807)  
*Nymphidia* Boisduval & Leconte, [1833], missp.  
*Calephilis* Kirby, 1871, missp.  
*Calephalis* W. G. Wright, 1908, missp.  
*Lephelisca* Barnes & Linsley, 1922  
*Callephelis* Stichel, 1930, missp.  
4386 **virginiensis** (Guérin-Ménéville, [1831]) (McD 345)  
*caeneus*.— auct. (not Linnaeus, 1767) **26.15-16**  
*pumila* (Boisduval & Leconte, [1833])  
*louisiana* Holland, 1931  
Little metalmark  
Range.— I-VIII (se. U.S.: MD-FL/MS-TX)  
Dates.— Jan-Dec  
Hosts.— *Cirsium horridulum* (Compositae)

## LIBYTHEIDAE

#### LIBYTHEANA Michener, 1943

- Libythea* Fabricius, 1807 (part)  
4410 **carinenta** (Cramer, 1777) (McD 336) T **27.16-17**  
a) **bachmanii** (Kirtland, 1851)  
f. *kirtlandi* (Field, 1938)  
Eastern snout butterfly; American snout  
Range.— I-VIII (N.Am.: N.S.-FL/KS-TX; Mex.)  
Dates.— Jan-Dec  
Hosts.— *Celtis douglasii*, *C. laevigata*, *C. occidentalis*, *C. pallida*, *C. reticulata*, *C. tenuifolia* (Ulmaceae)  
?*Symphoricarpos occidentalis* (Caprifoliaceae)

## NYMPHALIDAE

### Group NYMPHALININA

#### DANAINAE

##### DANAINI

- DANAUS** Kluk, 1802  
Subgenus **DANAUS** Kulk, 1802  
*Danaida* Latreille, 1804  
*Danaïs* Latreille, 1807  
*Danaus* Latreille, 1809, preocc. (Linnaeus, 1758)  
*Festivus* Crotch, 1872  
*Diogas* d'Almeida, 1938  
4614 **plexippus** (Linnaeus, 1758) (McD 89) **29.6-7**  
*archippus* (Fabricius, 1793), preocc. (Cramer, 1776)  
*curassavicae* (Fabricius, 1807)  
*menippe*.— auct. (not Hübner, [1816])  
*megalippe*.— auct. (not Hübner, [1826])  
ab. *fumosus* (Hulst, 1886)  
ab. *pulchra* (Strecker, 1900)  
ab. *americanus* Gunder, 1927  
ab. *nivosus* Gunder, 1927  
Monarch  
Range.— I-VIII (N.Am.: Newfd.-FL/AK-CA; West Indies; Mex.-Argentina; Canary Is; India; Australia; New Guinea; New Zealand, Hawaii)

Dates.— Jan-Dec

Hosts.— *Acerates* sp. (Asclepiadaceae)

*Apocynum androsaemifolium* (Apocynaceae)

*Asclepias* sp., *A. amplexicaulis*, *A. asperula*, *A. californica*, *A. cordifolia*, *A. curassavica*, *A. curtissii*, *A. eriocarpa*, *A. erosa*, *A. exaltata*, *A. fascicularis*, *A. humistrata*, *A. incarnata*, *A. mexicana*, *A. nivea*, *A. perennis*, *A. physocarpus*, *A. purpurascens*, *A. speciosa*, *A. subulata*, *A. subverticillata*, *A. syriaca*, *A. tomentosa*, *A. tuberosa*, *A. venticillata*, *A. viridis* (Asclepiadaceae)

*Calotropis gigantea*, *C. procera* (Asclepiadaceae)

?*Cestrum diurnum* (Solanaceae)

*Matelea laevis*, *M. reticulata* (Asclepiadaceae)

*Morrenia odorata* (Asclepiadaceae)

*Sarcostemma clausum* (Asclepiadaceae)

4615 **gilippus** (Cramer, 1776) (McD 90) T

*gilippe* (Godart, [1819]), missp.

a) **berenice** (Cramer, 1780)

Queen

29.4-5

Range.— I-VIII (U.S.: NC-FL/WY-CA; West Indies, Mex.-Argentina)

Dates.— Jan-Dec

Hosts.— *Asclepias* sp., *A. albicans*, *A. amplexicaulis*, *A. asperula*, *A. curassavice*, *A. erosa*, *A. fascicularis*, *A. humistrata*, *A. mexicana*, *A. nivea*, *A. subulata*, *A. tuberosa* (Asclepiadaceae)

*Calotropis procera* (Asclepiadaceae)

*Ceropegia woodii* (Asclepiadaceae)

*Cynanchum angustifolium*, *A. palustra* (Asclepiadaceae)

*Gonolobus carolinensis* (Asclepiadaceae)

*Matelea carolinensis*, *M. hirsuta* (Asclepiadaceae)

*Morrenia odorata* (Asclepiadaceae)

*Nerium oleander* (Apocynaceae)

*Sarcostemma clausum*, *S. crispum*, *S. cynanchoides* var. *hartwegii*, *S. hirtellum* (Asclepiadaceae)

*Stapelia* sp. (Asclepiadaceae)

4616 **eresimus** (Cramer, 1777) (McD 91) T

*eresime* (Godart, [1819])

a) **tethys** Forbes, 1943

*cleothera*.— auct. (not Godart, [1819])

Tropical queen; Soldier

Range.— III-VIII (FL; TX; AZ; West Indies; Mex.-Brazil)

Dates.— Feb-Oct

Hosts.— *Calotropis procera* (Asclepiadaceae)

*Cynanchum undulatum*, *C. unifarium* (Asclepiadaceae)

*Morrenia odorata* (Asclepiadaceae)

*Sarcostemma clausum* (Asclepiadaceae)

*Spigelia anthelmia* (Loganiaceae)

## HELICONIINAE

**AGRAULIS** Boisduval & Leconte, [1833]

*Dione*.— auct. (not Hübner, [1819])

4413 **vanillae** (Linnaeus, 1758) (McD 158) T

*passiflorae* (Fabricius, 1793)

a) **nigrrior** Michener, 1942

30.11-12

Gulf fritillary

Range.— I-VIII (N. Am.: NY-FL/MN [subsp.]; CO-NM/OR-CA; West Indies; Mex.-Argentina)

Dates.— Jan-Dec

Hosts.— *Passiflora* sp., *P. affinis*, *P. caerulea*, *P. edulis*, *P. foetida*, *P. incarnata*, *P. laurifolia*, *P. lutea*,

*P. suberosa*, *P. tenuiloba* (Passifloraceae)

**DRYADULA** Michener, 1942

*Colaenis*.— auct. (not Hübner, [1819])

4415 **phaetusa** (Linnaeus, 1758) (McD 157) T

*phaerusa* (Linnaeus, 1767), missp.

Banded orange

Range.— VIII (FL; TX; Mex.-Paraguay)

Dates.— Feb, May (stray)

Hosts.— *Passiflora* sp. (Passifloraceae)

**DRYAS** Hübner, [1807]

*Colaenis* Hübner, [1819]

4416 **iulia** (Fabricius, 1775) (McD 155) T

*alcionea* (Cramer, 1779)

*juncta* W. P. Comstock, 1944

*julia* auct., missp.

Julia fritillary

a) **largo** Clench, 1975

24.12, 17-18

*cillene*.— auct. (not Cramer, 1780)

*nudeola*.— auct. (not Stichel, 1907)

*carteri*.— auct. (not Riley, 1926)

Florida julia fritillary

Range.— IV-VIII (s. U.S.: FL [subsp.]; NE [stray]-TX; West Indies; Mex.-Paraguay)

Dates.— Jan-Dec

Hosts.— *Passiflora* sp., *P. caerulea*, *P. edulis*, *P. lutea* var. *glabriflora* (Passifloraceae)

**HELICONIUS** Kluk, 1802

*Heliconius* Latreille, 1804, preocc. (Kluk, 1802)

*Migonitis* Hübner, 1816, preocc. (Rafinesque, 1815)

*Sunias* Hübner, 1816

*Sicyonia* Hübner, 1816, suppr. (ICZN Op. 382)

*Ajantis* Hübner, 1816

*Apostrophia* Hübner, 1816, suppr. (ICZN Op. 382)

*Heliconia* Godart, [1819], missp.

*Laparus* Billberg, 1820

*Crenis* Hübner, [1821]

*Phlogris* Hübner, [1825]

*Sycionia* Hübner, 1826, missp.

*Heliconia* Guérin-Méneville, [1844], missp.

*Blanchardia* Buchecker, 1880

4418 **charithonia** (Linnaeus, 1767) (McD 155) T

24.6

*charitonia* (Linnaeus, 1767), missp.

*charitonius* W. P. Comstock & F. M. Brown, 1950, emend.

a) **tuckerorum** W. P. Comstock & F. M. Brown, 1950

*tuckeri* W. P. Comstock & F. M. Brown, 1950, missp.

Zebra longwing; Zebra

Range.— I-VIII (se. U.S.: NC-FL/NE-TX; West Indies; Mex.-Peru)

Dates.— Jan-Dec

Hosts.— *Passiflora* sp., *P. affinis*, *P. caerulea*, *P. heterophylla*, *P. lutea*, *P. pallida*, *P. suberosa* (Passifloraceae)

## NYMPHALINAE

## NYMPHALINI

**POLYGONIA** Hübner, [1819]*Eugonia* Hübner, [1819]*Comma* Rennie, 1832*Grapta* Kirby, 18374420 **interrogationis** (Fabricius, 1798) (McD 285) **33.1-4**f. *umbrosa* (Lintner, 1869)f. *crameri* (Scudder, 1870)f. *fabricii* (W. H. Edwards, 1870)

Question mark

Range.- I-IV (e. N.Am.: N.S.-FL/Sask.-NM; Mex.)

Dates.- Jan-Dec

Hosts.- *Ambrosia artemisiifolia*, *A. trifida* (Compositae)*Bignonia capreolata* (Bignoniaceae)*Boehmeria cylindrica* (Urticaceae)*Celtis laevigata*, *C. occidentalis* (Ulmaceae)*Humulus lupulus* (Cannabidaceae)*Liriodendron tulipifera* (Magnoliaceae)? *Populus tremuloides* (Salicaceae)*Tilia* sp., *T. americana*, *T. caroliniana* (Tiliaceae)*Ulmus* sp., *U. alata*, *U. americana*, *U. crassifolius*,*U. parvifolia*, *U. pumila*, *U. rubra* (Ulmaceae)*Urtica* sp., *U. dioica* (Urticaceae)4421 **comma** (Harris, 1842) (McD 286)f. *dryas* (W. H. Edwards, 1870)f. *harrisii* (W. H. Edwards, 1873)

Common anglewing; Eastern comma

Range.- I-II (e. U.S.: N.S.-FL/Sask.-TX)

Dates.- Feb-Dec

Hosts.- *Althaea rosea* (Malvaceae)*Ambrosia trifida*, *A. artemisiifolia* (Compositae)? *Betula papyrifera* (Betulaceae)*Boehmeria cylindrica* (Urticaceae)*Celtis occidentalis* (Ulmaceae)*Humulus lupulus* (Cannabidaceae)*Laportea canadensis* (Urticaceae)*Ribes* sp. (Saxifragaceae)*Rubus allegheniensis*, *R. idaeus* var. *strigosus* (Rosaceae)*Tilia* sp. (Tiliaceae)*Ulmus* sp., *U. americana* (Ulmaceae)*Urtica* sp., *U. dioica* (Urticaceae)**NYMPHALIS** Kluk, 1802*Vanessa*.- auct. (not Fabricius, 1807)*Aglais*.- auct. (not Dalman, 1816)*Scudder* Grote, 1873*Euvanessa* Scudder, 18894432 **antiopa** (Linnaeus, 1758) (McD 298)*pompador* (Pollich, 1779)ab. *hygiaea* (Heydenreich, 1851)ab. *lintneri* (Fitch, 1856)ab. *obscura* (Cockerell, 1890)ab. *hippolita* (Skinner, 1898)ab. *grandis* (Ehrmann, 1900)

Mourning cloak (Camberwell beauty)

Range.- I-IV (n. Am.: Labr.-FL/AK-CA; Mex.-Venezuela; Europe-Siberia)

Dates.- Feb-Mar, Jun-Aug

Hosts.- *Acer* sp. (Aceraceae)*Alnus* sp. (Betulaceae)*Betula* sp., *B. alleghaniensis*, *B. glandulosa*, *B. papyrifera*, *B. papyrifera* var. *commutata*

(Betulaceae)

*Celtis occidentalis*, *C. reticulata* (Ulmaceae)*Crassula argentea* (Crassulaceae)*Fraxinus* sp., *F. americana* (Oleaceae)*Humulus lupulus* (Cannabidaceae)*Morus rubra* (Moraceae)*Ostrya virginiana* (Betulaceae)*Populus*, sp., *P. alba*, *P. balsamifera*, *P. deltoides*,*P. eugenei*, *P. gileadensis*, *P. grandidentata*,*P. nigra*, var. *italica*, *P. tremuloides*, *P. tri-**chocarpa* (Salicaceae)*Pyrus communis* (Rosaceae)*Rosa* sp. (Rosaceae)*Rubus* sp. (Rosaceae)*Rumex acetosella* (Polygonaceae)*Salix* sp., *S. amygdaloides*, *S. babylonica*, *S. bebbi-**ana*, *S. candida*, *S. discolor*, *S. exigua*, *S.**interior*, *S. jepsoni*, *S. lasiantha*, *S. lutea*, *S.**nigra*, *S. sericea* (Salicaceae)*Sparganium* sp. (Sparganiaceae)*Tilia* sp., *T. americana* (Tiliaceae)*Ulmus* sp., *U. americana*, *U. pumila*, *U. rubra* (Ulmaceae)**VANESSA** Fabricius, 1807*Nymphalis* Latreille, 1804, preocc. (Kluk, 1802)*Cynthia* Fabricius, 1807*Pyrameis* Hübner, [1819]*Ammiralis* Rennie, 1832*Phanessa* Sodoffsky, [1837]*Neopyrameis* Scudder, 18894434 **virginiensis** (Drury, 1773) (McD 300) **33.6-8***huntera* (Fabricius, 1775)*jole* (Cramer, 1776)*iole* auct., missp.*hunteri* Hübner, [1819], missp.f. *fulvia* (Dodge, 1900)ab. *abwashtee* C. Fox, 1921ab. *massachusettsensis* Gunder, 1925ab. *simmsi* (Gunder, 1927)

American painted lady; American lady

Range.- I-VIII (N. Am.: N.S.-FL/B.C.-CA; West Indies; Mex.-Venezuela, Canary Is.)

Dates.- Jan-Dec

Hosts.- *Althaea rosea* (Malvaceae)*Anaphalis margaritacea* (Compositae)*Antennaria* sp., *A. plantaginifolia*, *A. neodioica*, *A.**parvifolia* (Compositae)*Antirrhinum* sp. (Scrophulariaceae)*Arctium lappa* (Compositae)*Artemisia* sp., *A. absinthium*, *A. douglasiana*, *A.**ludoviciana*, *A. stellariana* (Compositae)*Carduus* sp. (Compositae)*Cirsium* sp., *C. arvense* (Compositae)*Echium* sp., *E. vulgare* (Boraginaceae)*Gnaphalium* sp., *G. bicolor*, *G. obtusifolium*, *G.**palustre*, *G. purpureum* (Compositae)*Helianthus* sp. (Compositae)*Impatiens capensis* (Balsaminaceae)*Lupinus* sp. (Leguminosae)*Malva* sp. (Malvaceae)*Myosotis* sp. (Boraginaceae)*Onopordum acanthium* (Compositae)*Senecio* sp., *S. maritima*, *S. cineraria* (Compositae)*Silybum marianum* (Compositae)*Urtica* sp. (Urticaceae)

- Vernonia* sp. (Compositae)  
 4435 **cardui** (Linnaeus, 1758) (McD 301) **33.9, 14**  
*carduelis* (Seba, 1765)  
*elymi* Rambur, 1829  
*ab. ate* (Strecker, 1878)  
*ab. inornata* Bramson, 1886  
*ab. minor* Failla-Tedaldi, [1887]  
*ab. minor* (Cockerell, 1890)  
*takesakiana* (Kato, 1925)  
*ab. jacksoni* (A. H. Clark, 1932)  
 Painted lady  
 Range.— I-VIII (N.Am.: Labr.-FL/AK-CA; West Indies; Mex.-Venezuela; Europe; Africa-New Zealand; Fiji; Hawaii)  
 Dates.— Jan-Dec  
 Hosts.— *Achillea millefolium* (Compositae)  
*Alcea rosea* (Malvaceae)  
*Althaea* sp., *A. officinalis* (Malvaceae)  
*Amsinckia* sp., *A. douglasiana* (Boraginaceae)  
*Anaphalis margaritacea* (Compositae)  
*Anchusa officinalis* (Compositae)  
*Arctium lappa*, *A. minus* (Compositae)  
*Artemisia* sp., *A. frigida*, *A. ludoviciana*, *A. stelleriana*, *A. vulgaris* (Compositae)  
*Beta vulgaris* (Chenopodiaceae)  
*Borago officinalis* (Boraginaceae)  
*Calendula officinalis* (Compositae)  
*Carduus* sp., *C. acanthoides*, *C. crispus*, *C. nutans* (Compositae)  
*Centaurea* sp., *C. nigra*, *C. solstitialis* (Compositae)  
*Chenopodium album* (Chenopodiaceae)  
*Chrysanthemum* sp. (Compositae)  
*Cirsium* sp., *C. arvense*, *C. texanum*, *C. vulgare* (Compositae)  
*Citrus sinensis* (Rutaceae)  
*Cnicus benedictus* (Compositae)  
*Cryptantha angustifolia* (Boraginaceae)  
*Cynara scolymus* (Compositae)  
*Echium vulgare* (Boraginaceae)  
*Eriodictyon californicum* (Hydrophyllaceae)  
*Eryngium* sp. (Umbelliferae)  
*Filago arvensis* (Compositae)  
*Fragaria* sp. (Rosaceae)  
*Glycine max* (Leguminosae)  
*Gnaphalium* sp. (Compositae)  
*Gossypium* sp., *G. herbaceum* (Malvaceae)  
*Gynura aurantiaca* (Compositae)  
*Helianthella* sp. (Compositae)  
*Helianthus* sp., *H. annuus*, *H. argophyllus* (Compositae)  
*Helichrysum* sp. (Compositae)  
*Ipomoea* sp., *I. batatas* (Convolvulaceae)  
*Lactuca sativa* (Compositae)  
*Lantana* sp. (Verbenaceae)  
*Lappa officinalis* (Compositae)  
*Lupinus* sp., *L. albifrons*, *L. arboreus*, *L. arcticus*, *L. argenteus*, *L. bicolor*, *L. formosus*, *L. perennis*, *L. sacculentus* (Leguminosae)  
*Malva* sp., *M. moschata*, *M. neglecta*, *M. nicaeensis*, *M. parviflora*, *M. sylvestris* (Malvaceae)  
*Malvella leprosa* (Malvaceae)  
*Medicago sativa* (Leguminosae)  
*Mentha* sp. (Labiatae)  
*Nicotiana glauca* (Solanaceae)  
*Nonea* sp. (Boraginaceae)

- Onopordum acanthium* (Compositae)  
*Parietaria* sp. (Urticaceae)  
*Parthenium argentatum* (Compositae)  
*Petunia* sp. (Solanaceae)  
*Phacelia campanularia* (Hydrophyllaceae)  
*Phaseolus vulgaris* (Leguminosae)  
*Pisum sativum* (Leguminosae)  
*Plantago lanceolata* (Plantaginaceae)  
*Prunus* sp. (Rosaceae)  
*Salvia* sp. (Labiatae)  
*Senecio cineraria*, *S. maritima* (Compositae)  
*Serratula* sp. (Compositae)  
*Silybum marianum* (Compositae)  
*Solanum tuberosum* (Solanaceae)  
*Soleirolia* sp. (Urticaceae)  
*Sphaeralcea ambigua* (Malvaceae)  
*Stachys affinis*, *S. sieboldii* (Labiatae)  
*Symphytum officinale* (Boraginaceae)  
*Tanacetum* sp. (Compositae)  
*Trifolium* sp. (Leguminosae)  
*Urtica* sp., *U. dioica*, *U. dioica* var. *lyallii*, *U. urens* (Urticaceae)  
*Wyethia glabra* (Compositae)  
*Xanthium* sp., *X. pensylvanicum* var. *canadense* (Compositae)  
*Zea mays* (Gramineae)  
 4437 **atalanta** (Linnaeus, 1758) (McD 299)  
*admiralis* (Retzius, 1783)  
*atlanta* Tietz, 1972, missp.  
 a) **rubria** (Fruhstorfer, 1909) **31.1-2**  
*ab. edwardsi* Grinnell, 1918  
 Red admiral  
 Range.— I-VIII (N.Am.: Labr.-FL/AK-CA; West Indies; Mex.-Guatemala; Europe-Azores Is.; New Zealand; Hawaii)  
 Dates.— Jan-Dec  
 Hosts.— *Ambrosia artemisiifolia*, *A. trifida* (Compositae)  
*Boehmeria* sp., *B. cylindrica* (Urticaceae)  
*Humulus lupulus* (Cannabidaceae)  
*Laportea canadensis* (Urticaceae)  
*Parietaria floridana*, *P. pensylvanica* (Urticaceae)  
*Pipturus albidus* (Urticaceae)  
*Soleirolia soleirolii* (Urticaceae)  
*Ulmus* sp. (Ulmaceae)  
*Urtica* sp., *U. dioica*, *U. urens* (Urticaceae)

### HYPOLIMNINI

- HYPOLIMNAS** Hübner, [1819], emend.  
*Hipolymnas* Hübner, [1819], missp.  
*Esotria* Hübner, [1819]  
*Diadema* Boisduval, 1832  
*Euralia* Westwood, 1850  
*Eucalia* C. Felder, 1861  
 4439 **missippus** (Linnaeus, 1764) (McD 284) T  
*bolina*.— auct. (not Drury, 1773)  
 Mimic  
 Range.— VI-VIII (FL; West Indies; Mex.-S.Am.; Africa; Asia)  
 Dates.— Mar-Jun, Sep, Nov-Dec (stray)  
 Hosts.— *Abelmoschus* sp. (Malvaceae)  
*Abutilon* sp. (Malvaceae)  
*Amaranthus* sp. (Amaranthaceae)  
*Asystasia* sp. (Acanthaceae)

- Blepharis* sp. (Acanthaceae)  
*Ficus* sp. (Moraceae)  
*Hibiscus* sp. (Malvaceae)  
*Ipomoea* sp. (Convolvulaceae)  
*Justicia* sp. (Acanthaceae)  
*Portulaca* sp., *P. grandiflora* (Portulacaceae)  
*Pseuderanthemum* sp. (Acanthaceae)  
*Ruellia* sp. (Acanthaceae)  
*Sedum* sp. (Crassulaceae)  
*Talinum* sp. (Portulacaceae)
- JUNONIA** Hübner, [1819]  
*Precis*.– auct. (not Hübner, [1819])  
*Alcyoneis* Hübner, [1819]  
*Aresta* Billberg, 1820
- 4440 **coenia** (Hübner, [1822]) (McD 303) **33.10-13**  
 ab. *schraderi* Gunder, 1925  
 ab. *weidenhammeri* Polacek, 1925  
*coena* Barnes & Benjamin, 1926, missp.  
 ab. *wilhelmi* Gunder, 1927  
 ab. *rubrosuffusa* Field, 1936  
 ab. *rosa* (Whittaker & D. Stallings, 1944)  
 Buckeye; Common buckeye  
 Range.– I-VIII (N.Am.: N.S.-FL/WA-CA; West Indies; Mex.)  
 Dates.– Jan-Dec  
 Hosts.– *Agalinis purpurea* (Scrophulariaceae)  
*Antirrhinum* sp., *A. majus* (Scrophulariaceae)  
*Aster* sp. (Compositae)  
*Aucuba* sp. (Cornaceae)  
*Castilleja purpurea* (Scrophulariaceae)  
*Cymbalaria muralis* sp. (Scrophulariaceae)  
*Digitalis* sp. (Scrophulariaceae)  
*Dyschoriste linearis* (Acanthaceae)  
*Gerardia* sp., *G. fasciculata*, *G. grandiflora*, *G. harperi*, *G. homalanthia*, *G. maritima*, *G. purpurea*, *G. stictifolia*, *G. tenuifolia* (Scrophulariaceae)  
*Hemizonia* sp. (Compositae)  
*Kicksia spuria* (Scrophulariaceae)  
*Lantana involucrata* var. *odorata* (Verbenaceae)  
*Linaria* sp., *L. canadensis*, *L. macrocana*, *L. vulgaris* (Scrophulariaceae)  
*Ludwigia* sp., *L. alternifolia* (Onagraceae)  
*Maurandya antirrhiniflora* (Scrophulariaceae)  
*Mimulus* sp. (Scrophulariaceae)  
*Orthocarpus lacerus*, *O. purpurascens* (Scrophulariaceae)  
*Phyla lanceolata*, *P. nodiflora* (Verbenaceae)  
*Plantago coronopus*, *P. helleria*, *P. hookeriana*, *P. lanceolata*, *P. major*, *P. rugelii*, *P. virginica* (Plantaginaceae)  
*Penstemon azureus* (Scrophulariaceae)  
*Ruellia nudiflora*, *R. runyonii* (Acanthaceae)  
*Russelia equisetiformis* (Scrophulariaceae)  
*Sedum* sp. (Crassulaceae)  
*Verbena lasiostachys* var. *lasiostachys* (Verbenaceae)  
*Veronica americana*, *V. anagalis-aquatica*, *V. comosa* (Scrophulariaceae)
- 4442 **evarete** (Cramer, 1780) (McD 304) T  
*lavinia*.– auct. (not Fabricius, 1775)  
*genoveva*.– auct. (not Stoll, 1782)  
*zonalis* C. Felder & R. Felder, 1867  
*lavinia* W. P. Comstock, 1942, missp.  
 Florida buckeye; Smoky buckeye; Mangrove buckeye
- buckeye  
 Range.– III-VIII (FL; TX-AZ; West Indies; Mex.-Argentina) [subsp.]  
 Dates.– Jan-Dec  
 Hosts.– *Agalinis fasciculata* (Scrophulariaceae)  
*Avicennia germinans* (Avicenniaceae)  
*Gerardia fasciculata* (Scrophulariaceae)  
*Lippia* sp. (Verbenaceae)  
*Phyla nodiflora*, *P. reptans* (Verbenaceae)  
*Seymeria cassioides* (Scrophulariaceae)  
*Stemodia tomentosa* (Scrophulariaceae)  
*Verbena hastata* (Verbenaceae)
- 4442.1 **genoveva** (Stoll, 1782) T  
 Caribbean buckeye; Tropical buckeye  
 Range.– VIII (FL; TX; West Indies; Mex.)  
 Dates.– Jan-Dec  
 Hosts.– *Blechum pyramidatum* (Acanthaceae)  
*Gerardia maritima*, *G. pupurea*, *G. stictifolia* (Scrophulariaceae)  
*Ipomoea* sp. (Convolvulaceae)  
*Mimulus* sp. (Scrophulariaceae)  
*Ruellia nudiflora*, *R. tuberosum* (Acanthaceae)  
*Stachytarpheta indica*, *S. jamaicensis* (Verbenaceae)
- ANARTIA** Hübner, [1819]  
*Celaena Doubleday*, 1849  
*Celeona* Boisduval, 1870  
*Anatiella* Fruhstorfer, 1907
- 4443 **jatrophae** (Johansson, 1763) (McD 305) T **29.9**  
 a) **guantanamo** Munroe, 1942  
 White peacock  
 Range.– II-VIII (s.U.S.: GA-FL/MO-TX; West Indies; Mex.-Argentina) [subsp.]  
 Dates.– Jan-Dec  
 Hosts.– *Bacopa* sp., *B. monnieri* (Scrophulariaceae)  
*Blechum brownei*, *B. pyramidatum* (Acanthaceae)  
*Lindernia diffusa* (Scrophulariaceae)  
*Lippia* sp. (Verbenaceae)  
*Melissa officinalis* (Labiatae)  
*Mentha piperita*, *M. pulegium* (Labiatae)  
*Phyla* sp., *P. nodiflora* (Verbenaceae)  
*Ruellia occidentalis*, *R. tuberosa* (Acanthaceae)  
 ?*Swietenia mahogany* (Meliaceae)
- 4444 **chrysopelea** (Hübner, [1824]) T  
*lytrea*.– auct. (not Godart, [1819])  
*eurytis* Fruhstorfer, 1907  
 Cuban peacock; Caribbean peacock  
 Range.– VIII (FL; West Indies)  
 Dates.– Feb, Apr (stray)  
 Hosts.– *Lippia* sp. (Verbenaceae)
- SIPROETA** Hübner, [1823]  
*Metamorphia*.– auct. (not Hübner, [1819])  
*Victorina* Blanchard, 1840  
*Amphirene* Doubleday, 1844  
*Amphirene* Boisduval, 1870, preocc. (Doubleday, 1844)
- 4446 **stelenes** (Linnaeus, 1758) (McD 307) T  
*sthenes* (Hübner, [1819])  
*steneles* (Blanchard, 1840), missp.  
 a) **biplagiata** (Fruhstorfer, 1907)  
*f. pallida* (Fruhstorfer, 1907)  
 ab. *stygiata* (Schaus, 1913)  
*insularis* (Holland, 1916)  
 Malachite



- Range.- III-VIII (FL; TX; West Indies; Mex.-Brazil) [subsp.]  
 Dates.- Jan-Dec  
 Hosts.- *Blechnum* sp., *B. blechnum*, *B. brownei*, *B. pyramidalatum* (Acanthaceae)  
*Justica candleriana*, *J. carthaginensis* (Acanthaceae)  
*Plantago* sp., (Plantaginaceae)  
*Ruellia* sp., *R. coccinea*, *R. metallica* (Acanthaceae)

## ARGYNNINI

[Argynnnini are now considered a tribe of Heliconiinae]

## EUPTOIETA Doubleday, [1848]

- 4447 **claudia** (Cramer, 1775) (McD 159) T **30.13-14**  
*daunius* (Herbst, 1798) **33.5**  
*daunus* auct., missp.  
*dodgei* Gunder, 1927  
 ab. *fumosa* Field, 1936  
 ab. *albaclaudia* Field, 1936  
 Variegated fritillary  
 Range.- I-VIII (N.Am.: ME-FL/B.C.-CA; West Indies; Mex.-Argentina)  
 Dates.- Jan-Dec  
 Hosts.- *Boehmeria cylindrica* (Urticaceae)  
*Boerhavia erecta* var. *intermedia* (Nyctaginaceae)  
*?Cynoglossum* sp. (Boraginaceae)  
*?Desmodium* sp., *D. paniculatum* (Leguminosae)  
*Hybanthus verticillatus* (Violaceae)  
*Linum australe*, *L. rigidum*, *L. sulcatum* (Linaceae)  
*Menispermum* sp. (Menispermaceae)  
*Metastelma arizonicum* (Asclepiadaceae)  
*Passiflora* sp., *P. caerulea*, *P. foetida*, *P. incarnata* (Passifloraceae)  
*Piriqueta caroliniana* (Turneraceae)  
*Plantago* sp. (Plantaginaceae)  
*?Podophyllum peltatum* (Podophyllaceae)  
*Portulaca* sp., *P. oleracea* (Portulacaceae)  
*Sedum* sp., *S. lanceolatum*, *S. purpureum*, *S. telephium* (Crassulaceae)  
*Turnera ulmifolia* (Turneraceae)  
*Viola* sp., *V. fimbriatula*, *V. papilionacea*, *V. rafinesquii*, *V. tricolor* (Violaceae)

## SPEYERIA Scudder, 1872

- Argynnis*.- auct. (not Fabricius, 1807)  
*Semnopsyche* Scudder, 1875  
 4450 **cybele** (Fabricius, 1775) (McD 166) **30.1-2**  
*daphnis* (Cramer, 1775)  
 ab. *baal* (Strecker, 1878)  
 Great spangled fritillary  
 Range.- I-II (N.Am.: N.S.-GA [FL]/B.C.-CA)  
 Dates.- Jun (stray)  
 Hosts.- *Viola* sp., *V. adunca* var. *bellidifolia*, *V. canadensis*, *V. palustris*, *V. papilionacea*, *V. rotundifolia* (Violaceae)

## MELITAEINI

## ANTHANASSA Scudder, 1875

- Tritanassa* Forbes, 1945  
 Subgenus **ANTHANASSA** Scudder, 1875  
 4476 **texana** (W. H. Edwards, 1863) (McD 274) T  
*smerdis* (Hewitson, 1864)

Texas crescent

- a) **seminole** (Skinner, 1911) **25.6**  
 Seminole crescent  
 Range.- I-III (s.U.S.: SC-FL/NE-CA; Mex.-Guatemala)  
 Dates.- Mar-Nov  
 Hosts.- *Dicliptera* sp. (Acanthaceae)  
*Jacobinia carnea* (Acanthaceae)  
*Justicia brandegeana* (Acanthaceae)  
*Ruellia carolinensis* (Acanthaceae)  
*Siphonoglossa* sp. (Acanthaceae)  
*?Verbesina* sp. (Compositae)  
 Subgenus **ERESIA** Boisduval, 1836  
*Neptis* Illiger, 1807, suppr. (ICZN Op. 232)  
 4478 **frisla** (Poey, 1832) (McD 273) T **30.15-16**  
*gyges* (Hewitson, 1864)  
 Black crescent; Cuban crescent  
 Range.- II-VIII (FL; TX-AZ; West Indies; Mex.-Argentina)  
 Dates.- Jan-Dec  
 Hosts.- *Dicliptera* sp., *D. assurgens* (Acanthaceae)  
*Drypetes lateriflora* (Euphorbiaceae)  
*Justicia brandegeana* (Acanthaceae)  
*Ruellia* sp. (Acanthaceae)

## PHYCIODES Hübner, [1819]

- Phiciodes* Hübner, 1826, missp.  
 4480 **phaon** (W. H. Edwards, 1864) (McD 262/264) **30.3-5**  
*gorgone* (Hübner, [1810]) ♀  
 f. *aestiva* (W. H. Edwards, 1878), sum. f.  
 f. *hiemalis* (W. H. Edwards, 1878), wint. f.  
*tharos*.- W. G. Wright, 1905 (not Drury, 1773)  
*marcia*.- W. G. Wright, 1905 (not W. H. Edwards, 1868)  
 ab. *nox* Gunder, 1928  
 ab. *thornei* Gunder, 1934  
 Phaon crescent  
 Range.- I-VIII (s.U.S.: VA-FL/NE-CA; West Indies; Mex.-Guatemala)  
 Dates.- Jan-Dec  
 Hosts.- *Phyla* sp., *P. lanceolata*, *P. nodiflora* (Verbenaceae)  
 4481 **tharos** (Drury, 1773) (McD 265) **30.6-10**  
*morpheus* (Fabricius, 1775), spr. f.  
*cocyta* (Cramer, 1777)  
*euclea* (Bergsträsser, 1780)  
*tharossa* (Godart, [1819])  
*selenis* (Kirby, 1837)  
*pulchella* (Boisduval, 1852)  
 f. *marcia* (W. H. Edwards, 1868), spr. f.  
 ab. *packardii* (Saunders, 1869)  
 ab. *reaghi* Reiff, 1913  
 ab. *dyari* Gunder, 1928  
 Pearl crescent  
 Range.- I-VIII (N.Am.: ME-FL/Alb.-CA; Bahamas; Mex.)  
 Dates.- Jan-Dec  
 Hosts.- *Aster* sp., *A. acuminatus*, *A. anglicae*, *A. dumosus*, *A. ericoides*, *A. laevis*, *A. lateriflorus*, *A. novae-angliae*, *A. pilosus*, *A. punicens*, *A. praealtus*, *A. simplex*, *A. solidagineus*, *A. texanus* (Compositae)  
*Cirsium* sp. (Compositae)  
*Erigeron peregrinus* (Compositae)  
*Plantago* sp. (Plantaginaceae)  
*Verbesina alternifolia*, *V. helianthoides* (Compositae)

**CHLOSZYNE** Butler, 1870Subgenus **CHARIDRYAS** Scudder, 1872*Melitaea*.– auct., part (not Fabricius, 1807)*Phyciodes*.– auct., part (not Hübner, [1819])*Limnaecia* Scudder, 1872, preocc. (Stainton, 1851 [Cosmopterigidae])*Militaea* W. H. Edwards, 1873, missp.4490 **nycteis** (Doubleday, [1847]) (McD 263)*ismeria*.– auct. (not Boisduval & Leconte, 1833), nom. oblit.*oenone* (Scudder, 1863)*harrisii* Skinner, 1904ab. *milburni* (C. Rummel, 1926)ab. *lacteus* (Gunder, 1928)ab. *greyi* (Field, 1934)*millburni* L. Miller & F. M. Brown, 1983, missp.

Nycteis crescent; Silvery checkerspot

Range.– I (e. N.Am.: N.S.-FL/Sask.-AZ)

Dates.– Mar-Sep

Hosts.– *Aster* sp., *A. puniceus*, *A. umbellatus* (Compositae)*Conyza canadensis* (Compositae)*Helianthus* sp., *H. annuus*, *H. decapetalus*, *H. divarcatu*, *H. strumosus*, *H. tuberosus* (Compositae)*Plantago* sp. (Plantaginaceae)*Rudbeckia laciniata* (Compositae)*Solidago* sp. (Compositae)*Verbesina alternifolia*, *V. helianthoides*, *V. virginica* (Compositae)**LIMENITIDINI****LIMENITIS** Fabricius, 1908*Nymphalus* Boitard, 1828*Ladoga* Moore, [1898]Subgenus **BASILARCHIA** Scudder, 1872*Najas* Hübner, 1806 [part], suppr. (ICZN Op. 97)*Limenitis*.– auct. (not Fabricius, 1807)*Callianira* Hübner, [1819], preocc. (Peron & Lesueur, 1810)*Nymphalus*.– auct. (not Boitard, 1828)*Nympha*.– auct. (not Krause, 1839)*Nymphalis* C. Felder & R. Felder, 1861, preocc. (Linnaeus, 1758)4522 **arthemis** (Drury, 1773) (McD 321/322)*lamina* (Fabricius, 1793)a) **astyanax** (Fabricius, 1775)*ephestion* (Stoll, 1790)*ursula* (Fabricius, 1793)*ephestiaena* (Hübner, [1819]), missp.f. *viridis* (Strecker, 1878)hyb. *rubidus* (Strecker, 1878), unavail.f. *atlantis* (Nakahara, 1923)f. *inornata* (Nakahara, 1924)f. *purpuratus* Gunder, 1934f. *tildeni* Field, 1934

Red-spotted purple

Range.– I-VI (e. U.S.: DE-FL/SD-TX)

Dates.– Mar-Oct

Hosts.– *Alnus rugosa* (Betulaceae)*Amelanchier* sp. (Rosaceae)*Betula lenta*, *B. lutea* (Betulaceae)*Carpinus caroliniana* (Carpinaceae)? *Celtis* sp. (Ulmaceae)*Crataegus* sp. (Rosaceae)*Cydonia* sp., *C. oblonga* (Rosaceae)*Fagus grandifolia* (Fagaceae)*Malus pumila* (Rosaceae)*Ostrya virginiana* (Betulaceae)*Populus* sp., *P. alba*, *P. balsamifera*, *P. deltoides*,*P. grandidentata*, *P. heterophylla*, *P. nigra*var. *italica*, *P. tremuloides* (Salicaceae)*Prunus* sp., *P. cerasus*, *P. domestica*, *P. pensylvanica*,*P. serotina*, *P. virginiana* (Rosaceae)*Pyrus communis* (Rosaceae)*Quercus ilicifolia*, *Q. palustris*, *Q. phellos*, *Q. velutina* (Fagaceae)*Ribes* sp., *R. lacustre*, *R. sativum* (Saxifragaceae)*Rosa* sp. (Tiliaceae)*Salix* sp., *S. nigra* (Salicaceae)*Tilia americana* (Tiliaceae)*Ulmus americana* (Ulmaceae)*Vaccinium* sp. (Ericaceae)4523 **archippus** (Cramer, 1776) (McD 325)*disippe* (Godart, [1824])*disippus* (Boisduval & Leconte, [1834])a) **floridensis** (Strecker, 1878)**32.1-2**ab. *nig* (Strecker, 1878)*eros* (W. H. Edwards, 1880)ab. *nigricans* (Strecker, 1900)ab. *halli* (Watson & W. P. Comstock, 1920)

Florida viceroy

Range.– I-VIII (N.Am.: Newfd.-FL/NWT-CA; Mex.)

Dates.– Mar-Nov

Hosts.– *Amelanchier* sp. (Rosaceae)*Betula papyrifera* (Betulaceae)*Chrysobalanus oblongifolius* (Chrysobalanaceae)*Crataegus* sp. (Rosaceae)*Malus pumila* (Rosaceae)*Populus* sp., *P. alba*, *P. balsamifera*, *P. fremontii*,*P. gileadensis*, *P. grandidentata*, *P. heterophylla*,*P. nigra* var. *italica*, *P. tremuloides*,*P. trichocarpa* (Salicaceae)*Prunus* sp., *P. domestica*, *P. serotina* (Rosaceae)*Pyrus communis* (Rosaceae)? *Quercus* sp., *Q. ilicifolia*, *Q. rubra* (Fagaceae)*Salix* sp., *S. caroliniana*, *S. cordata*, *S. discolor*, *S.**exigua*, *S. interior*, *S. nigra*, *S. sericea*,

(Salicaceae)

*Vaccinium* sp. (Ericaceae)**EPICALINI**31.5-7 **EUNICA** Hübner, [1819]*Evonyma* Hübner, [1819]*Eunice* Geyer, [1832], preocc. (Rafinesque, 1815)*Crenis* Boisduval, 1833, preocc. (Hübner, [1821])*Callianira* Doubleday & Hewitson, [1847], preocc. (Peron & Lesueur, 1810)*Faunia* Poey, 1847*Amycla* Doubleday, [1849], preocc. (Rafinesque, 1815)*Sallya* Hemming, 19644532 **monima** (Stoll, 1782) (McD 309) T*hyperipte* (Hübner, [1823])

- myrto* (Godart, [1824])  
*modesta* H. W. Bates, 1864  
*myrta* Skinner, 1898, missp.  
 Dinky purplewing  
 Range.- IV-VIII (FL; TX-AZ; West Indies; Mex.)  
 Dates.- Jan-Dec  
 Hosts.- *Bursera simaruba* (Burseraceae)  
*Zanthoxylum pentamone* (Rutaceae)  
 4533 **tatila** (Herrich-Schäffer, 1853) (McD 310) T  
*coerulea* Godman & Salvin, 1877  
 a) **tatilista** Kaye, 1926 **25.33**  
 Florida purplewing  
 Range.- IV-VIII (FL; TX; West Indies; Mex.-Argentina)  
 [subsp.]  
 Dates.- Jan-Dec  
 Hosts.- *Gymnanthes lucida* (Euphorbiaceae)

## AGERONIINI

- HAMADRYAS** Hübner, [1806]  
*Apatura* Illiger, 1807, suppr. (ICZN Op. 232)  
*Ageronia* Hübner, [1819]  
*Philocala* Billberg, 1820  
*Peridromia* Boisduval, [1836]  
*Amphichlora* C. Felder, 1861  
 4542.1 **amphichloe** (Boisduval, 1870) (McD --) T  
 a) **diasia** (Fruhstorfer, 1916)  
 Haitian cracker; Pale cracker  
 Range.- IV-VIII (FL; West Indies; Mex.-S. Am.)  
 Dates.- Jul, Oct (stray)  
 Hosts.- ?*Dalechampia* sp. (Euphorbiaceae)

## COLOBURINI

- HISTORIS** Hübner, [1819]  
*Coea* Hübner, [1819]  
*Aganisthos* Boisduval & Leconte, [1834]  
*Megistanis* Doubleday, 1844  
*Megistanis* Boisduval, 1870, preocc. (Double-  
 day, 1844)  
*Aganistos* Boisduval, 1870, missp.  
*Aganisthus* Kirby, 1904, missp.  
 4545 **odius** (Fabricius, 1775) (McD 331) T  
*orion* (Fabricius, 1775), preocc. (not Pallas,  
 1771)  
*danae* (Cramer, 1776), preocc. (not Fabricius,  
 1775)  
 Orion; Stinky leaf wing  
 Range.- VI-VIII (FL; TX; West Indies; Mex.-S. Am.)  
 Dates.- Jun, Sep-Oct (stray)  
 Hosts.- *Cecropia* sp. (Moraceae)  
*Tabebuia* sp. (Bignoniaceae)

## MARPESIINI

- MARPESIA** Hübner, [1818]  
*Athena* Hübner, [1819]  
*Euglyphus* Billberg, 1820  
*Marius* Swainson, [1830]  
*Petreus* Swainson, [1833]  
*Megalura* Blanchard, 1840  
*Timetes* Doubleday, 1844  
*Tymetes* Boisduval, [1846]  
*Timetes* Boisduval, 1870, preocc. (Double-  
 day, 1848)  
*Eumargareta* Grote, 1898  
 4549 **chiron** (Fabricius, 1775) (McD 318) T

- marius* (Cramer, 1779)  
*chironias* (Hübner, [1819])  
 Many-banded dagger wing  
 Range.- VI-VIII (FL; TX; West Indies; Mex.-Argentina)  
 Dates.- Jun-Jul (stray)  
 Hosts.- *Artocarpus heterophyllus* (Moraceae)  
*Chlorophora tinctoria* (Moraceae)  
*Ficus* sp. (Moraceae)  
*Morus* sp. (Moraceae)  
 4550 **petreus** (Cramer, 1776) (McD 319) T **31.3-4**  
*peleus* (Sulzer, 1776), preocc. (Linnaeus,  
 1764)  
*thetys* (Fabricius, 1777), preocc. (Rottemburg,  
 1763)  
*thetis* Godart, [1819]  
*petrius* Fine, 2002, missp.  
 Ruddy dagger wing  
 Range.- II-VIII (FL; TX-AZ; West Indies; Mex.-Brazil)  
 Dates.- Jan-Dec  
 Hosts.- ?*Anacardium occidentale* (Anacardiaceae)  
*Ficus* sp., *F. aspera*, *F. aurea*, *F. bengalensis*, *F.*  
*brevifolia*, *F. carica*, *F. citrifolia*, *F. nitida*, *F.*  
*padifolia*, *F. retusa* (Moraceae)  
 4551 **eleuchea** Hübner, [1818] (McD 320) T  
*eleucha* auct., missp.  
*eleuche* auct., missp.  
*pellenis*.- Kimball, 1965 (not Godart, [1824])  
 Antillean dagger wing  
 Range.- VIII (FL; Bahamas/West Indies)  
 Dates.- Oct (stray)  
 Hosts.- *Ficus* sp. (Moraceae)

## Group SATYRININA

## APATURINAE

## CHARAXINI

- ANAEA** Hübner, [1819]  
*Paphia*.- auct. (not Bolton, 1798)  
*Pyrhhanaea* Röber, 1888  
 4553 **troglodyta** (Fabricius, 1775) T **28.3-4**  
 \* a) **floridalis** F. Johnson & W. P. Comstock, 1941  
 (McD 334)  
*portia*.- Schaus, 1898 (not Fabricius)  
*f. floraesta* F. Johnson & W. P. Comstock,  
 1941, sum. f.  
 Florida leafwing  
 Range.- IV-VIII (FL; MO-TX/AZ; West Indies; Mex.)  
 Dates.- Jan-Dec  
 Hosts.- *Croton humilis*, *C. linearis*, *C. soliman* (Euphorbia-  
 ceae)  
 ?*Malus baccata* (Rosaceae)  
 4554 **andria** Scudder, 1875 (McD 333) T **28.1-2**  
*glycerium*.- W. H. Edwards, 1871 (not West-  
 wood)  
*ops* (Druce, 1877)  
*troglodyta*.- Strecker, 1878 (not Fabricius,  
 1775)  
*glyderinus* Stichel, 1939  
*f. andriaesta* F. Johnson & W. P. Comstock,  
 1941, sum.  
 Goatweed butterfly; Goatweed leafwing  
 Range.- I-III (U.S.: MI-FL/NY-AZ; Mex.)

Dates.- Feb-Nov

Hosts.- *Croton capitatum*, *C. monanthogynus*, *C. linearis*,  
*C. texensis* (Euphorbiaceae)**APATURINI****ASTEROCAMPA** Röber, 1916*Apatura*.- auct. (not Fabricius, 1807)*Celtiphaga* Barnes & Linsley, 19224557 **celtis** (Boisduval & Leconte, [1833]) (McD 327)a) **celtis** (Boisduval & Leconte, [1833])*alicia* (W. H. Edwards, 1868)*ab. alb* (Strecker, 1878)*alba* (W. G. Wright, 1905)*ab. inornata* (Wolcott, 1916)

Hackberry butterfly; Hackberry emperor

Range.- I (U.S.: ME-FL/ND-TX: Mex.)

Dates.- Mar-Nov

Hosts.- *Celtis* sp., *C. laevigata*, *C. lindheimeri*, *C. occidentalis*, *C. pallida*, *C. reticulata*, *C. tenuifolia* (Ulmaceae)b) **reinthali** Friedlander, [1988]**32.3-6**

Range.- II-VI (se. U.S.: SC-FL)

Dates.- Mar-Nov

Hosts.- *Celtis* sp., *C. laevigata* (Ulmaceae)4562.1 **clyton** (Boisduval & Leconte, [1833]) (McD 329)a) **clyton** (Boisduval & Leconte, [1833])**27.14-15***f. proserpina* (Scudder, 1868)**32.8***ocellata* (W. H. Edwards, 1876)*ab. nig* (Strecker, 1878)

Tawny emperor

Range.- I (e. U.S.: MA-FL/ND-AZ; Mex.)

Dates.- Mar-Nov

Hosts.- ?*Aristolochia* sp. (Aristolochiaceae)*Celtis laevigata*, *C. lindheimeri*, *C. mississippiensis*, *C. occidentalis*, *C. reticulata*, *C. tenuifolia* (Ulmaceae)*Prunus americana*, *P. ilicifolia* (Rosaceae)*Styrax grandifolius* (Styracaceae)b) **flora** (W. H. Edwards, 1876)**32.7, 9**

Florida emperor

Range.- II-VI (se. U.S.: GA-FL)

Dates.- Mar-Nov

Hosts.- *Celtis* sp. (Ulmaceae)**SATYRINAE****ELYMNIINI**Subtribe **PARARGINA****ENODIA** Hübner, [1819]*Lethe*.- auct., part (not Hübner, [1819])4568 **portlandia** (Fabricius, 1781) (McD 96)*andromacha* (Hübner, [1809])*androcardia* Hübner, 1821a) **portlandia** (Fabricius, 1781)

Southern pearly eye

Range.- I-II (se. U.S.: MD-FL/MO-TX)

Dates.- Feb-May, Aug-Nov

Hosts.- *Arundinaria gigantea*, *A. gigantea tecta* (Gramineae)\* b) **floralae** (J. R. Heitzman & dos Passos, 1974) **29.1-3**  
*creola*.- auct., misid. (not Skinner, 1897)

Range.- III (Florida)

Dates.- Feb-May, Aug-Nov

Hosts.- *Arundinaria gigantea*, *A. gigantea tecta* (Gram-

ineae)

**SATYRODES** Scudder, 1875*Argus* Scopoli, 1777, preocc. (Bohdash, 1761)*Lethe*.- auct., part (not Hübner, [1819])4569 **appalachia** (R. L. Chermock, 1947) (McD 106)

Appalachian eyed brown; Appalachian brown

Range.- I-III (e. N.Am.: Ont.-FL/MN-MS)

Dates.- Jan-Nov

Hosts.- *Carex* sp., *C. lacustris*, *C. stricta* (Cyperaceae)  
*Rhynchospora inundata* (Cyperaceae)**EUPTYCHIINI****CYLLOPSIS** R. Felder, 1869*Neonympha*.- auct. [part] (not Hübner, [1818])*Euptychia*.- auct., part (not Hübner, [1818])4573 **gemma** (Hübner, [1808]) (McD 98)**25.7***cornelius* (Fabricius, 1793)

Gemmed satyr

Range.- I-III (se. U.S.: MD-FL/NE-TX; Mex.-Guatemala)

Dates.- Feb-Nov

Hosts.- grass (Gramineae)

**HERMEUPTYCHIA** Forster, 1964*Euptychia*.- auct., part (not Hübner, [1818])4575 **sosybius** (Fabricius, 1793) (McD 102)**27.11-13***hermes kappeli* Anken, 1993

Carolina satyr

Range.- I-VIII (se. U.S.: NJ-FL/NE-TX; Mex.)

Dates.- Jan-Dec

Hosts.- grass (Gramineae)

*Axonopus compressus* (Gramineae)*Cynodon dactylon* (Gramineae)*Eremochloa ophiuroides* (Gramineae)**NEONYMPHA** Hübner, [1818]*Euptychia*.- auct., part (not Hübner, [1818])4576 **areolata** (J. E. Smith, 1797) (McD 100)**25.16-17***phocion* (Fabricius, 1787), preocc. (Fabricius, 1775)*helicta* (Hübner, [1808])*septentrionalis* W. Davis, 1924*f. helicta dadeensis* Gatrell, 1999, rev. stat.

Georgia satyr

Range.- I-VIII (se. U.S.: NJ-FL/OK-TX)

Dates.- Jan-Dec

Hosts.- *Carex alopecoides* (Cyperaceae)*Dactyloctenium aegyptium* (Gramineae)*Digitaria sanguinalis* (Gramineae)*Scirpus atrovirens* (Cyperaceae)*Sorghastrum avenaceum* (Gramineae)**MEGISTO** Hübner, [1819]*Euptychia*.- auct., part (not Hübner, [1818])4578 **cymela** (Cramer, 1777) (McD 103)*eurytus* (Fabricius, 1775), preocc. (Linnaeus, 1758)*eurytris* (Fabricius, 1793)*eurythris* (Godart, [1821]), missp.*eurytis* (dos Passos, 1964), missp.a) **cymela** (Cramer, 1777)**25.29**

Little wood satyr

Range.- I-II (e. N.Am.: N.S.-FL/Sask.-TX)

Dates.- Feb-Jun

Hosts.- *Dactylis glomerata* (Gramineae)*Eremochloa ophiuroides* (Gramineae)? *Trifolium* sp. (Leguminosae)*Xyris torta* (Xyridaceae)\* b) **viola** (Maynard, 1891)

Viola's wood satyr

Range.- II-IV (Florida)

Dates.- Feb-Apr

Hosts.- grass (Gramineae)

**MANIOLINI****CERCYONIS** Scudder, 1875*Minois*.- auct. (not Hübner, [1819])4587 **pegala** (Fabricius, 1775) (McD 116)*alope* (Fabricius, 1793)*maritima* (W. H. Edwards, 1880)*texana* (W. H. Edwards, 1880)*olympus* (W. H. Edwards, 1880)*pegale* J. B. Smith, 1884, missp.*ino* Hall, 1924*borealis* F. H. Chermock, 1929*nephele* (W. Kirby, 1937)*ochracea* (F. Chermock & R. Chermock, 1942*carolina* (F. Chermock & R. Chermock, 1942*abbotti* F. M. Brown, 1969

Common wood nymph

Range.- I-III (N.Am.: N.S.-FL/B.C.-CA)

Dates.- Jun-Oct

Hosts.- *Andropogon* sp. (Gramineae)*Avena fatua* (Gramineae)*Poa pratensis* (Gramineae)*Puccinellia* sp. (Gramineae)*Stipa spartea* (Gramineae)*Tridens flavus* (Gramineae)

grass (Gramineae)

[DANAINAE, 4614-4616: see before Heliconiinae, p. 379]

[ZYGAENOIDEA, 4618-4639: see after Sesiioidea, p. 312]

[LIMACODIDAE, 4652-4700: see after Cossidae, p. 314]

[EPIPYROPIDAE, 4701: see after Limacodidae, p. 317]

**DREPANOIDEA****THYATIRIDAE****THYATIRINAE****MACROTHYATIRINI****EUTHYATIRA** J. B. Smith, 1891*Persiscota* Grote, 18956240 **pudens** (Guenée, 1852) (McD 4010)*anticostiensis* (Grote, 1886)f. *pennsylvanica* J. B. Smith, 1902

Range.- I (N.Am.: Newfd.-FL/B.C.-TX)

Dates.- Apr

Hosts.- *Cornus florida* (Cornaceae)**DREPANIDAE****DREPANINAE****EUDEILINIA** Packard, 1876\*6254 **luteifera** Dyar, 1917 (McD 4018)

Range.- I-IV (Florida)

Dates.- Mar, May-Jun

Hosts.- *Cornus florida* (Cornaceae)**ORETINAE****ORETA** Walker, 1855*Dryopteris* Grote, 18626255 **rosea** (Walker, 1855) (McD 4019)*marginata* Walker, 1855*americana* (Herrich-Schäffer, 1855)*formula* (Grote, 1862)f. *irrorata* (Packard, 1864

Rose hooktip

Range.- I-IV (e. N.Am.: N.S.-FL/MI-TX)

Dates.- Jan, Apr, Jun-Sep

Hosts.- *Viburnum* sp. (Caprifoliaceae)

43.30

34.10

25.31-32

44.16

## BOMBYCOIDEA

### Series BOMBYCIFORMES

### [BOMBYCIDAE]

[NOTE: 1 sp. is domesticated worldwide; other species mostly tropical Oriental]

**BOMBYX** Linnaeus, 1758

7668 **mori** Linnaeus, 1758 (McD 4000)

[This species is noted here but is not counted part of the Florida fauna, and will only be found in culture or for silk production.]

Silkworm moth; Silkworm

Range.- Domesticated only (from China)

Dates.- Jan-Dec

Hosts.- *Morus* sp. (Moraceae)

## MIMALLONIDAE

**LACOSOMA** Grote, 1864

7659 **chiridota** Grote, 1864 (McD 5227)

**8.1-2**

Range.- I-IV (e. N.Am.: Ont.-FL/IA-TX)

Dates.- Feb-Jun, Aug, Oct

Hosts.- *Quercus* sp., *Q. alba*, *Q. coccinea*, *Q. ilicifolia*, *Q. palustris*, *Q. stellata*, *Q. velutina* (Fagaceae)

**CICINNUS** Blanchard, 1852

*Saccophora* Harris, 1841, preocc. (Brandt, 1837)

*Perophora* Harris, 1841, preocc. (Lister, 1834)

*Ptochopsyche* Grote, 1896

7662 **melsheimeri** (Harris, 1841) (McD 5229)

**8.3**

*egenaria* (Walker, 1866)

Range.- I-VI (e. N.Am.: Ont.-FL/WI-AZ; Mex.)

Dates.- Jan-Nov

Hosts.- *Ilex verticillata* (Aquifoliaceae)

*Quercus* sp., *Q. virginiana* (Fagaceae)

## APATELODIDAE

**APATELODES** Packard, 1864

*Hygrochroa* Hübner, [1823], nom. oblit.

*Hygrochrea* Hübner, [1826], missp.

*Astasia* Harris, 1841, preocc. (Ehrenberg, 1830)

7663 **torrefacta** (J. E. Smith, 1797) (McD 4001)

**34.8**

*floridana* (H. Edwards, 1886)

Range.- I-IV (e. N.Am.: Ont.-FL/WI-TX)

Dates.- Mar-Aug

Hosts.- *Acer* sp. (Aceraceae)

*Alnus* sp., *A. rugosa*, *A. serrulata* (Betulaceae)

*Arctium lappa* (Compositae)

*Asimina triloba* (Annonaceae)

*Carpinus caroliniana* (Betulaceae)

*Cinnamomum camphora* (Lauraceae)

*Corylus* sp. (Betulaceae)

*Fraxinus* sp. (Oleaceae)

*Ilex glabra* (Aquifoliaceae)

*Lindera benzoin* (Lauraceae)

*Myrica cerifera* (Myricaceae)

*Ostrya virginiana* (Betulaceae)

*Prunus domestica*, *P. maritima*, *P. pensylvanica*,

*P. serotina* (Rosaceae)

*Quercus* sp. (Fagaceae)

*Rhododendron* sp. (Ericaceae)

*Rubus allegheniensis*, *R. idaeus* v. *strigosus* (Rosaceae)

*Salix* sp. (Salicaceae)

*Sassafras albidum* (Lauraceae)

*Strophostyles helveola* (Leguminosae)

*Viburnum* sp. (Caprifoliaceae)

**OLCECLOSTERA** Butler, 1878

\*7666 **indistincta** (H. Edwards, 1886) (McD 4003a) **34.9**

*angelica*.- Kimball, 1965 (not Grote, 1864)

Range.- I-IV (Florida)

Dates.- Mar-Jun

Hosts.- *Fraxinus* sp. (Oleaceae)

*Syringa* sp. (Oleaceae)

## LASIOCAMPIDAE

### MACROMPHALIINAE

**TOLYPE** Hübner, [1820]

*Caeculia* Herrich-Schäffer, [1854]

*Coeculia* Walker, 1855, missp.

*Planosa* Fitch, 1856

*Limacodilla* C. Felder, 1874

*Tolyp* Cassino, 1928, missp.

7670 **velleda** (Stoll, 1791) (McD 3978)

**34.7**

*candidatus* Cassino, 1928

Range.- I-II (e. N.Am.: N.S.-FL/MN-TX)

Dates.- Oct-Nov

Hosts.- *Acer* sp. (Aceraceae)

*Asparagus setaceus* (Liliaceae)

*Malus pumila* (Rosaceae)

*Populus* sp. (Salicaceae)

*Prunus domestica*, *P. serotina* (Rosaceae)

*Pyrus communis* (Rosaceae)

*Quercus* sp. (Fagaceae)

*Salix* sp. (Salicaceae)

*Syringa vulgaris* (Oleaceae)

*Ulmus* sp. (Ulmaceae)

7674 **notialis** Franclemont, 1973 (McD 3979.1)

Range.- I-VI (se. U.S.: VA-FL/KY-TX)

Dates.- Jan-Dec

Hosts.- *Pinus* sp. (Pinaceae)

7675 **mintia** Dyar, 1906 (McD 3979)

**43.29**

Range.- I-IV (se. U.S.: SC-FL)

Dates.- Apr, Sep-Oct, Dec

Hosts.- Unknown

**ARTACE** Walker, 1855

7683 **cribraria** (Ljungh, 1825) (McD 3977/3977.1)

**34.3**

*albicans*.- auct., not Walker, 1855

Range.- I-VIII (e. U.S.: NY-FL/KY-TX)

Dates.- Jan-Dec

Hosts.- *Quercus* sp. (Fagaceae)

*Prunus* sp. (Rosaceae)

*Rosa* sp. (Rosaceae)

## GASTROPACHINAE

**HETEROPACHA** Harvey, 1874

7685 **rileyana** Harvey 1874 (McD 3998)

Range.- I (e. N.Am.: Ont.-FL/WI-TX)

Dates.— Mar-Apr, Jun-Sep

Hosts.— *Gleditsia aquatica*, *G. triacanthos* (Leguminosae)

**PHYLLODESMA** Hübner, [1820]

*Epicnaptera* Rambur, [1866]

*Ammatocampa* Wallengren, 1869

*Epicnapteryx* Bang-Haas, 1927, missp.

*Phyllodesema* Kloet & Hincks, 1945, missp.

7686 **occidentis** (Walker, 1855) (McD 3999a) **34.6**

*ilicifolia*.— J. E. Smith, 1797 (not Linnaeus, 1758)

*carpinifolia* (Boisduval, 1868)

*americana*.— Kimball, 1965 (not Harris, 1841)

*texana* Lajonquiere, 1969, part

Southern lappet moth

Range.— I-II (se. U.S.: SC-FL/KY-TX)

Dates.— Jan-Mar

Hosts.— *Acer* sp. (Aceraceae)

*Betula* sp. (Betulaceae)

*Carya* sp. (Juglandaceae)

*Celtis occidentalis* (Ulmaceae)

*Crataegus* sp. (Rosaceae)

*Fraxinus* sp. (Oleaceae)

*Malus pumila* (Rosaceae)

*Parthenocissus quinquefolia* (Vitaceae)

*Populus* sp. (Salicaceae)

*Prunus* sp., *P. cerasus*, *P. domestica*, *P. serotina*,

*P. virginiana* (Rosaceae)

*Pyrus* sp., *P. communis* (Rosaceae)

*Quercus* sp., *Q. ilicifolia* (Fagaceae)

*Rubus* sp. (Rosaceae)

*Salix* sp. (Salicaceae)

*Vitis* sp. (Vitaceae)

**LASIOCAMPINAE**

**MALACOSOMA** Hübner, [1820]

*Trichoda* Hübner, [1806], suppr. (ICZN)

*Trichoda* Hübner, 1822, preocc.

*Tricodia* Stephens, 1827, missp.

*Clisiocampa* Curtis, 1828

*Cliseocampa* Agassiz, [1847], emend.

7698 **disstria** Hübner, [1820] (McD 3997) **34.5**

*neustria*.— J. E. Smith, 1797 (not Linnaeus, 1758)

*nubilis* (Guérin-Ménéville, 1832)

*sylvatica* (Harris, 1841)

*drupacearum* (Boisduval, 1868)

*erosa* (Stretch, 1881)

*thoracicoides* (Neumoegen & Dyar, 1893)

*sylvaticoides* (Neumoegen & Dyar, 1893)

*perversa* (Neumoegen & Dyar, 1893)

*astriata* Reiff, 1913

*anita* Reiff, 1913

Forest tent caterpillar

Range.— I-IV (N.Am.: N.S.-FL/BC-CA)

Dates.— Feb-May

Hosts.— *Acer* sp., *A. negundo*, *A. saccharophorum* (Aceraceae)

*Alnus* sp., *A. rubra* (Betulaceae)

*Amelanchier alnifolia* (Rosaceae)

*Betula papyrifera*, *B. populifolia* (Betulaceae)

*Carpinus caroliniana* (Betulaceae)

*Carya* sp. (Juglandaceae)

*Crataegus* sp. (Rosaceae)

*Cydonia oblonga* (Rosaceae)

*Fagus* sp. (Fagaceae)

*Fraxinus* sp., *F. caroliniana* (Oleaceae)

*Hamamelis virginiana* (Hamamelidaceae)

*Juglans nigra*, *J. regia* (Juglandaceae)

*Liquidambar styraciflua* (Hamamelidaceae)

*Malus pumila* (Rosaceae)

*Nyssa sylvatica* (Nyssaceae)

*Populus* sp., *P. tremuloides* (Salicaceae)

*Prunus* sp., *P. cerasus*, *P. domestica*, *P. persica*, *P.*

*serotina*, *P. virginiana* (Rosaceae)

*Pyrus communis* (Rosaceae)

*Quercus* sp., *Q. laurifolia*, *Q. stellata*, *Q. velutina* (Fagaceae)

*Robinia pseudoacacia* (Leguminosae)

*Rosa* sp., *R. blanda*, *R. carolina* (Rosaceae)

*Salix* sp. (Salicaceae)

*Tilia* sp. (Tiliaceae)

*Ulmus* sp. (Ulmaceae)

*Vaccinium angustifolium* (Ericaceae)

*Viburnum suspensum* (Caprifoliaceae)

7701 **americanum** (Fabricius, 1793) (McD 3989) **34.4**

*castrensis*.— J. E. Smith, 1797 (not Linnaeus, 1758)

*pennsylvanica* (Guérin-Ménéville, 1832)

*decipiens* (Walker, 1855)

*frutetorum* (Boisduval, 1868)

Eastern tent caterpillar

Range.— I-III (e. N.Am.: N.S.-FL/Man.-TX)

Dates.— May

Hosts.— *Acer* sp., *A. saccharophorum* (Aceraceae)

*Amelanchier canadensis* (Rosaceae)

*Arbutus menziesii* (Ericaceae)

*Berberis vulgaris* (Berberidaceae)

*Betula* sp., *B. alba*, *B. nigra*, *B. papyrifera*, *B. populifolia* (Betulaceae)

*Carpinus caroliniana* (Betulaceae)

*Carya* sp. (Juglandaceae)

*Ceanothus* sp. (Rhamnaceae)

*Cercis canadensis* (Leguminosae)

*Cornus florida* (Cornaceae)

*Corylus* sp. (Betulaceae)

*Crataegus* sp. (Rosaceae)

*Fagus* sp., *F. grandifolia* (Fagaceae)

*Fragaria chiloensis* (Rosaceae)

*Fraxinus* sp. (Oleaceae)

*Hamamelis virginiana* (Hamamelidaceae)

*Juglans nigra* (Juglandaceae)

*Liquidambar styraciflua* (Hamamelidaceae)

*Malus pumila* (Rosaceae)

*Nyssa sylvatica* (Nyssaceae)

*Ostrya virginiana* (Betulaceae)

*Photina arbutifolia* (Rosaceae)

*Populus* sp., *P. fremonti* (Salicaceae)

*Prunus* sp., *P. americana*, *P. armeniaca*, *P. cerasus*, *P. domestica*, *P. ilicifolia*, *P. pennsylvanica*, *P. persica*, *P. serotina*, *P. umbellata*, *P. virginiana* (Rosaceae)

*Pyrus communis* (Rosaceae)

*Quercus* sp., *Q. alba*, *Q. laurifolia*, *Q. stellata*, *Q. velutina* (Fagaceae)

*Ribes sativum* (Saxifragaceae)  
*Robinia pseudoacacia* (Leguminosae)  
*Rosa* sp. (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Sorbus americana* (Rosaceae)  
*Tilia* sp. (Tiliaceae)  
*Ulmus* sp. (Ulmaceae)  
*Vaccinium* sp. (Ericaceae)

## Series SATURNIIFORMES

## SATURNIIDAE

## CERATOCAMPINAE

## EACLES Hübner, [1819]

*Ceracampa* Kirby & Spence, 1826  
*Cerocampa* Boisduval, 1836, missp.  
*Basilona* Boisduval, 1868  
*Crenudia* Burmeister, 1879  
*Tacles* Sonthonnax, 1904, missp.

7704 **imperialis** (Drury, 1773) (McD 860)  
*imperatoria* (J. E. Smith, 1797)  
*didyma* (Beauvois, 1805)  
*punctatissima* Neumoegen, 1891

Imperial moth

Range.— I-VI (e. N.Am.: Ont.-FL/WI-TX)

Dates.— Apr-Nov

Hosts.— *Abies grandis* (Pinaceae)

*Acer* sp., *A. negundo*, *A. pseudoplatanus*, *A. rubrum*, *A. saccharinum*, *A. saccharophorum* (Aceraceae)

*Aesculus hippocastanum* (Hippocastanaceae)*Alnus* sp., *A. serrulata* (Betulaceae)

*Betula* sp., *B. alba*, *B. papyrifera*, *B. populifolia* (Betulaceae)

*Carpinus caroliniana* (Betulaceae)*Carya* sp. (Juglandaceae)*Castanea dentata*, *C. pumila*, *C. sativa* (Fagaceae)*Chamaecyparis thyoides* (Cupressaceae)*Cornus* sp. (Cornaceae)*Crataegus* sp. (Rosaceae)*Diospyros discolor* (Ebenaceae)*Fagus grandifolia*, *F. sylvatica* (Fagaceae)*Ficus wilddemmanniana* (Moraceae)*Gleditsia triacanthos* (Leguminosae)*Gossypium herbaceum* (Malvaceae)*Juglans cinerea* (Juglandaceae)

*Juniperus chinensis*, *J. communis*, *J. virginiana* (Cupressaceae)

*Koeleruteria paniculata* (Sapindaceae)*Larix laricina* (Pinaceae)*Lindera benzoin* (Lauraceae)*Liquidambar styraciflua* (Hamamelidaceae)*Myrica cerifera* (Myricaceae)*Ostrya virginiana* (Betulaceae)*Persea americana* (Lauraceae)*Photinia fraseri* (Rosaceae)*Picea* sp. (Pinaceae)

*Pinus* sp., *P. banksiana*, *P. echinata*, *P. strobus*, *P. wallichiana* (Pinaceae)

*Platanus occidentalis*, *P. orientalis* (Platanaceae)*Prunus serotina*, *P. virginiana* (Rosaceae)

*Quercus* sp., *Q. chapmanii*, *Q. coccinea*, *Q. laevis*,  
*Q. macrocarpa*, *Q. nigra*, *Q. palustris*, *Q. rubra*, *Q. virginiana* (Fagaceae)

*Rhus glabra* (Anacardiaceae)*Rosa* sp. (Rosaceae)*Salix* sp. (Salicaceae)*Sambucus canadensis* (Caprifoliaceae)*Sassafras albidum* (Lauraceae)*Taxodium distichum* (Taxodiaceae)

*Tilia* sp., *T. americana*, *T. europaea*, *T. heterophylla* (Tiliaceae)

*Tsuga canadensis* (Pinaceae)

*Ulmus* sp., *U. alata*, *U. americana*, *U. procera*, *U. rubra*, *U. thomasi* (Ulmaceae)

*Viburnum dentatum* (Caprifoliaceae)

## CITHERONIA Hübner, [1819]

*Eruca* Edwards, 1771, nom. oblit.*Ceratocampa* Harris, 1833*Dorycampa* Duncan, 1841*Cithaeronia* Agassiz, [1847], emend.

38.16-17 7706 **regalis** (Fabricius, 1793) (McD 856) 38.14-15  
*regia* (J. E. Smith, 1797)  
*infernalis* Strecker, 1883  
*saengeri* Neumoegen, 1891

Royal walnut moth; Hickory horned devil

Range.— I-IV (e. U.S.: MA-FL/IL-TX)

Dates.— May-Sep, Nov

Hosts.— *Acacia auriculiformis* (Leguminosae)*Carya* sp., *C. illinoensis* (Juglandaceae)*Cephalanthus occidentalis* (Nauclaceae)*Diospyros kaki*, *D. virginiana* (Ebenaceae)*Fraxinus* sp. (Oleaceae)*Gossypium barbadense*, *G. herbaceum* (Malvaceae)*Juglans cinerea*, *J. nigra* (Juglandaceae)*Liquidambar styraciflua* (Hamamelidaceae)*Myrica cerifera* (Myricaceae)*Oxydendrum arboreum* (Ericaceae)*Platanus occidentalis*, *P. orientalis* (Platanaceae)*Prunus domestica* (Rosaceae)*Rhus copallina* (Anacardiaceae)*Sassafras albidum* (Lauraceae)*Syringa* sp. (Oleaceae)7708 **sepulchralis** Grote & Robinson, 1865 (McD 58)*sepulchralis* auct., missp.

40.4, 12

Pine devil moth

Range.— I-VI (e. U.S.: ME-FL/KY-LA)

Dates.— Feb-Apr, Jun-Sep

Hosts.— *Pinus* sp., *P. elliotii*, *P. rigida*, *P. strobus* (Pinaceae)

## SPHINGICAMPA Walsh, 1864

*Adelocephala*— auct. (not Duponchel, 1841)*Bouvierina* Michener, 1949

*Sphingicampa* Travassos & Noronha, 1967,  
missp.

*Spyngicampa* Travassos & Noronha, 1967,  
missp.

7709 **bicolor** (Harris, 1841) (McD 849)*distigma* Walsh, 1864var. *immaculata* (Jewett, 1882)var. *suprema* Neumoegen, 1885*immaculatae* Bouvier, 1931, missp.

Honey locust moth



Range.- I-II (e. N.Am.: MA-FL/WI-TX)  
 Dates.- Sep  
 Hosts.- *Gleditsia* sp. *G. triacanthos* (Leguminosae)  
*Gymnocladus canadensis*, *G. dioicus* (Leguminosae)  
*Robinia pseudoacacia* (Leguminosae)

Dates.- Mar-Nov  
 Hosts.- *Quercus* sp., *Q. chapmanii*, *Q. falcata*, *Q. imbricata*, *Q. laurifolia*, *Q. lyrata*, *Q. macrocarpa*, *Q. marilandica*, *Q. myrtifolia*, *Q. nigra*, *Q. nuttallii*, *Q. rubra*, *Q. virginiana* (Fagaceae)

**DRYOCAMPA** Harris, 1833

7715 **rubicunda** (Fabricius, 1793) (McD 848) **38.29-30**

*pallida* Bowles, 1875  
*semialba* (Schüssler, 1936), nom. nud.  
*sperryi* (Bower, 1942)  
 Green-striped mapleworm  
 Range.- I-IV (e. N.Am.: N.B.-FL/WI-TX)  
 Dates.- Jan-Oct  
 Hosts.- *Acer* sp., *A. negundo*, *A. rubrum*, *A. saccharinum* (Aceraceae)  
*Fagus grandifolia* (Fagaceae)  
*Ilex cassine* (Aquifoliaceae)  
*Juglans cinerea* (Juglandaceae)  
*Quercus* sp., *Q. coccinea*, *Q. illicifolia*, *Q. velutina* (Fagaceae)  
*Persea borbonia* (Lauraceae)

**ANISOTA** Hübner, [1820]

*Adelocephala* Duponchel, 1841  
*Adelocampa* Packard, 1905, missp.  
*Acanthocephala* Travassos, 1941, missp.  
*Anizota* Travassos & Noronha, 1967, missp.  
 7716 **stigma** (Fabricius, 1775) (McD 842) **38.21-22**  
*stygia* (Boisduval, 1872), missp.  
 Spiny oakworm  
 Range.- I-IV (e. N.Am.: N.S.-FL/MN-TX)  
 Dates.- Jan, Jun-Aug, Oct  
 Hosts.- *Carya* sp. (Juglandaceae)  
*Castanea dentata* (Fagaceae)  
*Corylus* sp. (Betulaceae)  
*Cucumis* sp. (Cucurbitaceae)  
*Quercus* sp., *Q. laurifolia*, *Q. nigra* (Fagaceae)  
*Prunus persica* (Rosaceae)  
*?Zea mays* (Gramineae)

7718 **consularis** Dyar, 1896 (McD 845) **38.23-25**

*senatoria*.- Kimball, 1965, misid., part (not J. E. Smith, 1797)  
 Southern oakworm; Consular oakworm  
 Range.- I-IV (Atlantic/Gulf Coasts: [SC]-FL/LA)  
 Dates.- Jan, Jun-Oct  
 Hosts.- *Quercus* sp., *Q. falcata*, *Q. laevis*, *Q. laurifolia*, *Q. myrtifolia*, *Q. nigra*, *Q. virginiana* (Fagaceae)

7720 **peigleri** Riotte, 1975  
*senatoria*.- Kimball, 1965, misid., part (not J. E. Smith, 1797)

Peigler's orange-striped oakworm  
 Range.- I-II (se. U.S.: NC-FL/[AL])  
 Dates.- Sep-Oct  
 Hosts.- *Quercus* sp., *Q. falcata*, *Q. palustris*, *Q. marilandica*, *Q. rubra*, *Q. velutina* (Fagaceae)

7723 **virginiensis** (Drury, 1773) (McD 816) **38.26-28**  
*astynome* (Olivier, 1790)  
*pellucida* (J. E. Smith, 1797)  
*sinulis* Riotte, 1970  
*discolor* Ferguson, 1971  
 Virginia oakworm; Pink-striped oakworm

Range.- I-IV (e. N.Am.: N.S.-FL/Man.-TX)

**HEMILEUCINAE****HEMILEUCINI****HEMILEUCA** Walker, 1855

*Euchronia* Packard, 1864  
*Pseudohazis* Grote & Robinson, 1866  
*Hera* Harris, 1869  
*Euleucophaeus* Packard, 1872  
*Leucophaeus* Grote, 1882, missp.  
*Argyrauges* Grote, 1882  
*Euchromia* Neumoegen & Dyar, 1894, missp.  
*Agyrantes* Neumoegen & Dyar, 1894, missp.  
*Argiraudes* Conte, 1906, missp.  
*Eleucopaeus* D'Abrera, 1995, missp.  
 7730 **maia** (Drury, 1773) (McD 830) **40.2**  
*proserpina* (Fabricius, 1775)  
*lintneri* Cockerell, 1914

Buck moth

Range.- I-IV (e. U.S.: NH-FL/WI-TX)  
 Dates.- Oct-Dec  
 Hosts.- *Artemisia filifolia* (Compositae)  
*Aster* sp. (Compositae)  
*Corylus* sp. (Betulaceae)  
*Populus* sp., *P. tremuloides* (Salicaceae)  
*Prosopis glandulosa* (Leguminosae)  
*Prunus cerasus*, *P. serotina* (Rosaceae)  
*Quercus* sp., *Q. ilicifolia*, *Q. incana*, *Q. laevis*, *Q. marilandica*, *Q. rubra*, *Q. shumardii*, *Q. stellata*, *Q. velutina*, *Q. virginiana* (Fagaceae)  
*Rosa* sp. (Rosaceae)  
*Rubus* sp., *R. allegheniensis* (Rosaceae)  
*Salix* sp., *S. humilis* (Salicaceae)  
*Spiraea salicifolia* (Rosaceae)  
*Vaccinium macrocarpum* (Ericaceae)

**AUTOMERIS** Hübner, [1819]

*Antomeris* Hübner, [1821], missp.  
*Protautomeris* Packard, 1903  
*Agliopsis* Bouvier, 1929  
*Automeroides* Michener, 1949  
*Protautomeris* Lemaire, 1971, missp.  
 7746 **io** (Fabricius, 1775) (McD 818) **38.19-20**  
*corollaria* (Perry, 1810)  
*varia* (Walker, 1855)  
*lilith* (Strecker, 1878)  
*argus* Neumoegen & Dyar, 1893  
*fuscus*.- Luther, 1907 (not Walker, 1855)  
*lutheri* Cockerell, 1914  
*coloradensis* Cockerell, 1914  
*texana* Barnes & Benjamin, 1923  
*caeca* Igel, 1928  
*mexicana* Draudt, 1929  
*packardi* Schüssler, 1934

Io moth

Range.– I–VI (e. N.Am.: Que.–FL/Man.–NM; Mex.)

Dates.– Jan–Dec

Hosts.– *Abies balsamea* (Pinaceae)  
*Acer* sp., *A. rubrum* (Aceraceae)  
*Acoelorrhaphe wrightii* (Palmae)  
*Amorpha fruticosa* (Leguminosae)  
*Baptisia tinctoria* (Leguminosae)  
*Bauhinia* sp., *B. variegata* (Leguminosae)  
*Begonia* sp. (Begoniaceae)  
*Betula* sp. (Betulaceae)  
*Bischofia javanica* (Euphorbiaceae)  
*Blighia sapida* (Sapindaceae)  
*Bombax* sp. (Bombacaceae)  
*Brassaia actinophylla* (Araliaceae)  
*Cajanus cajan* (Leguminosae)  
*Calliandra* sp. (Leguminosae)  
*Callistemon* sp. (Myrtaceae)  
*Camellia* sp., *C. japonica* (Theaceae)  
*Carpinus caroliniana* (Betulaceae)  
*Carya* sp., *C. illinoensis* (Juglandaceae)  
*Cassia alata*, *C. fasciculata*, *C. fistula* (Leguminosae)  
*Casuarina* sp. (Casuarinaceae)  
*Celtis laevigata* (Ulmaceae)  
*Cercis canadensis* (Leguminosae)  
*Chrysalidocarpus lutescens* (Palmae)  
*Chrysobalanus* sp. (Rosaceae)  
*Citrofortunella mitis* (Rutaceae)  
*Citrus* sp., *C. aurantifolia*, *C. aurantium*, *C. paradisi*, *C. sinensis* (Rutaceae)  
*Coccoloba uvifera* (Polygonaceae)  
*Coccothrinax* sp. (Palmae)  
*Cocos nucifera* (Palmae)  
*Comptonia peregrina* var. *asplenifolia* (Myricaceae)  
*Conocarpus erectus* (Combretaceae)  
*Cornus florida* (Cornaceae)  
*Corylus* sp., *C. avellana* (Betulaceae)  
*Dalbergia ecastophyllum*, *D. sissoo* (Leguminosae)  
*Diospyros* sp. (Ebenaceae)  
*Elaeagnus pungens* (Elaeagnaceae)  
*Euphorbia longana* (Euphorbiaceae)  
*Fagus* sp. (Fagaceae)  
*Fraxinus* sp. (Oleaceae)  
*Galactia* sp., *G. elliotii*, *G. glabella* (Leguminosae)  
*Gardenia jasminoides* (Rubiaceae)  
*Gossypium herbaceum* (Malvaceae)  
*Grevillea robusta* (Proteaceae)  
*Guaiacum sanctum* (Zygophyllaceae)  
*Hibiscus* sp., *H. elatus*, *H. lasiocarpus*, *H. moscheutos*, *H. palustris*, *H. rosa-sinensis*, *H. syriacus*, *H. tiliaceus* (Malvaceae)  
*Humulus lupulus* Cannabidaceae)  
*Ilex crenata*, *I. verticillata* (Aquifoliaceae)  
*Ixora coccinea*, *I. macrothyrsa* (Rubiaceae)  
*Justicia brandegeana* (Acanthaceae)  
*Lagerstroemia indica* (Lythraceae)  
*Lespedeza* sp. (Leguminosae)  
*Leucanea pulverulenta* (Leguminosae)  
*Lippia* sp. (Verbenaceae)  
*Liquidambar styraciflua* (Hamamelidaceae)  
*Liriodendron tulipifera* (Magnoliaceae)  
*Litchi chinensis* (Sapindaceae)

*Magnolia virginiana* (Magnoliaceae)  
*Malus pumila* (Rosaceae)  
*Malvaviscus arboreus* var. *drumondii* (Malvaceae)  
*Melicocca bijuga* (Sapindaceae)  
*Melilotus alba*, *M. officinalis* (Leguminosae)  
*Musa acuminata*, *M. nana* (Musaceae)  
*Myrica cerifera*, *M. pensylvanica* (Myricaceae)  
*Ostrya virginiana* (Betulaceae)  
*Persea americana* (Lauraceae)  
*Phaseolus* sp., *P. vulgaris* (Leguminosae)  
*Philodendron* sp. (Araceae)  
*Pimpinella anisum* (Umbelliferae)  
*Piscidia piscipula* (Leguminosae)  
*Platanus occidentalis* (Platanaceae)  
*Plumeria* sp. (Apocynaceae)  
*Populus gileadensis*, *P. nigra* var. *italica*, *P. tremuloides* (Salicaceae)  
*Pouteria sapota* (Sapotaceae)  
*Pritchardia thurstonii* (Palmae)  
*Prunus cerasus*, *P. domestica*, *P. pensylvanica*, *P. serotina*, *P. virginiana* (Rosaceae)  
*Psidium guajava*, *P. littorale* (Myrtaceae)  
*Pyracantha* sp. (Rosaceae)  
*Pyrus communis* (Rosaceae)  
*Quercus* sp., *Q. acutissima*, *Q. laevis*, *Q. laurifolia*, *Q. myrtifolia*, *Q. virginiana* (Fagaceae)  
*Rhapis* sp., *R. flabelliformis* (Palmae)  
*Rhizophora mangle* (Rhizophoraceae)  
*Rhododendron* sp., *R. catawbiense*, *R. indicum*, *R. japonicum*, *R. kaempferi* (Ericaceae)  
*Ribes sativum* (Crassulaceae)  
*Robinia pseudoacacia* (Leguminosae)  
*Rosa* sp., *R. rugosa* (Rosaceae)  
*Rubus* sp., *R. allegheniensis*, *R. canadensis*, *R. idaeus* var. *strigosus* (Rosaceae)  
*Sabal palmetto* (Palmae)  
*Salix* sp., *S. caroliniana*, *S. discolor* (Salicaceae)  
*Sassafras albidum* (Lauraceae)  
*Serenoa repens* (Palmae)  
*Solanum melongena* (Solanaceae)  
*Spiraea* sp. (Rosaceae)  
*Symphoricarpos albus* (Caprifoliaceae)  
*Tabebuia argentea* (Bignoniaceae)  
*Tamarindus indica* (Tamarindaceae)  
*Thespesia populnea* (Malvaceae)  
*Thuja orientalis* (Cupressaceae)  
*Tilia* sp. (Tilaceae)  
*Trema micrantha* (Ulmaceae)  
*Trifolium* sp., *T. repens* (Leguminosae)  
*Turnera ulmifolia* (Turneraceae)  
*Ulmus* sp., *U. chinensis*, *U. parvifolia* (Ulmaceae)  
*Urena lobata* (Malvaceae)  
*Veitchia merillii* (Palmae)  
*Viburnum dentatum* (Caprifoliaceae)  
*Wisteria frutescens*, *W. sinensis* (Leguminosae)  
*Zea mays* (Gramineae)

## SATURNIINAE

### SATURNIINI

ANTHERAEA Hübner, [1819]

*Telea* Hübner, [1819]

*Antherea* Herrich-Schäffer, [1858], missp.  
*Anthraera* Watkins, 1881, missp.  
*Antheraopsis* Wood-Mason, 1886  
*Metosamia* Druce, 1892  
*Thelea* Gauckler, 1898, missp.  
*Carmenta* Weymer, 1906, preocc. (not H. Edwards, 1881)  
*Loepanthraea* Toxopeus, 1940  
*Anthraeraopsis* Lemaire, 1996, missp.  
**7757 polyphemus** (Cramer, 1776) (McD 812) **40.11**  
*fenestra*.– Perry, 1811 (not Linnaeus, 1758)  
*polypheme* (Hübner, [1819])  
*flava* (Grote, 1903)  
*fumosus* (Wurster, 1930)  
*wilfriedi* (Sageder, 1933)  
*brunnea* (Sageder, 1933)  
*nigra* (Schüssler, 1936)  
*albida* (Bouvier, 1936)  
*intermedia* (Bouvier, 1936)  
 Polyphemus moth  
 Range.– I–VI (N.Am.: N.S.–FL/B.C.–CA; Mex.)  
 Dates.– Jan–Dec  
 Hosts.– *Acer* sp., *A. pensylvanicum*, *A. rubrum*, *A. saccharinum* (Aceraceae)  
*Alnus* sp. (Betulaceae)  
*Amelanchier canadensis* (Betulaceae)  
*Arbutus menziesii* (Ericaceae)  
*Betula* sp., *B. nigra* (Betulaceae)  
*Bombax fastuosa* (Bombacaceae)  
*Bucida buceras* (Combretaceae)  
*Capsicum annuum* (Solanaceae)  
*Carpinus caroliniana* (Betulaceae)  
*Carya* sp. (Juglandaceae)  
*Castanea dentata*, *C. sativa* (Fagaceae)  
*Corylus americana* (Betulaceae)  
*Crataegus* sp. (Rosaceae)  
*Cydonia oblonga* (Rosaceae)  
*Fagus* sp. (Fagaceae)  
*Gaylussacia dumosa* (Ericaceae)  
*Gleditsia triacanthos* (Leguminosae)  
*Gordonia lasianthus* (Theaceae)  
*Hamamelis virginiana* (Hamamelidaceae)  
*Ilex vomitoria* (Aquifoliaceae)  
*Juglans cinerea*, *J. nigra* (Juglandaceae)  
*Liquidambar styraciflua* (Hamamelidaceae)  
*Liriodendron tulipifera* (Magnoliaceae)  
*Malus pumila* (Rosaceae)  
*Myrica cerifera* (Myricaceae)  
*Ostrya virginiana* (Betulaceae)  
*Pinus* sp. (Pinaceae)  
*Platanus occidentalis* (Platanaceae)  
*Populus* sp. (Salicaceae)  
*Prunus* sp., *P. cerasus*, *P. domestica*, *P. persica*, *P. serotina* (Rosaceae)  
*Pyrus communis* (Rosaceae)  
*Quercus* sp., *Q. alba*, *Q. coccinea*, *Q. imbricaria*, *Q. laurifolia*, *Q. nigra*, *Q. rubra*, *Q. virginiana* (Fagaceae)  
*Ribes* sp., *R. sanguineum*, *R. sativum* (Saxifragaceae)  
*Rosa* sp. (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Sassafras albidum* (Lauraceae)  
*Tilia americana* (Tiliaceae)

*Ulmus* sp. (Ulmaceae)  
*Vaccinium* sp. (Ericaceae)  
*Vitis* sp. (Vitaceae)

**ACTIAS** Leach, 1815

*Echidna* Hübner, [1807], preocc. (not Forster, 1788)  
*Astias* Leach, 1815, missp.  
*Tropaea* Hübner, [1819]  
*Meceura* Billberg, 1820  
*Artemis* Kirby & Spence, 1828  
*Plectopteron* Hutton, 1846  
*Arctias* Hutton, 1846, missp.  
*Argema* Wallengren, 1858  
*Angas* Wallengren, 1865  
*Achias* Clément, 1879, missp.  
*Sonthonnaxia* Watson, 1912  
*Proactias* Arora & Gupta, 1979  
**7758 luna** (Linnaeus, 1758) (McD 811) **35.22**  
*dictynna* (Walker, 1855)  
*rossii* Ross, 1872  
*bolli* (Wagner, 1876)  
*maasseni* Kirby, 1892  
*rubromarginata* (Davis, 1912)  
*rubrosuffusa* (Cockerell, 1914)  
*mariae* (Benjamin, 1922)  
*lacrimens* (Niepelt, 1932)  
 Luna moth  
 Range.– I–IV (e. N.Am.: N.S.–FL/Sask.–TX)  
 Dates.– Feb–Oct  
 Hosts.– *Betula* sp., *B. papyrifera* (Betulaceae)  
*Carya* sp. (Juglandaceae)  
*Castanea dentata* (Fagaceae)  
*Diospyros virginiana* (Ebenaceae)  
*Fagus* sp. (Fagaceae)  
*Humulus lupulus* (Cannabidaceae)  
*Juglans* sp., *J. cinerea*, *J. nigra* (Juglandaceae)  
*Liquidambar styraciflua* (Hamamelidaceae)  
*Myrica cerifera* (Myricaceae)  
*Nyssa aquatica*, *N. sylvatica* (Nyssaceae)  
*Ostrya virginiana* (Betulaceae)  
*Prunus domestica* (Rosaceae)  
*Quercus* sp., *Q. phellos* (Fagaceae)  
*Salix* sp. (Salicaceae)

**ATTACINI****CALLOSAMIA** Packard, 1864

**7764 promethea** (Drury, 1773) (McD 809) **35.23**  
*caeca* Cockerell, 1914  
*promethia* Knudson & Bordelon, 1999, missp.  
 Promethea moth  
 Range.– I–III (e. N.Am.: Que.–FL/MN–TX)  
 Dates.– Apr, Jul–Aug  
 Hosts.– *Acer* sp. (Aceraceae)  
*Berberis vulgaris* (Berberidaceae)  
*Cephalanthus occidentalis* (Nauclaceae)  
*Diospyros virginiana* (Ebenaceae)  
*Fagus* sp. (Fagaceae)  
*Fraxinus* sp. (Oleaceae)  
*Halesia carolina* (Styracaceae)  
*Lindera benzoin* (Lauraceae)  
*Liquidambar styraciflua* (Hamamelidaceae)

- Liriodendron tulipifera* (Magnoliaceae)  
*Magnolia* sp. (Magnoliaceae)  
*Malus pumila* (Rosaceae)  
*Myrica pensylvanica* (Myricaceae)  
*Pinus* sp. (Pinaceae)  
*Populus* sp. (Salicaceae)  
*Prunus* sp., *P. domestica*, *P. persica*, *P. serotina*,  
*P. virginiana* (Rosaceae)  
*Pyrus communis* (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Rhododendron* sp. (Ericaceae)  
*Salix* sp. (Salicaceae)  
*Sassafras albidum* (Lauraceae)  
*Styrax americana* (Styracaceae)  
*Syringa* sp., *S. vulgaris* (Oleaceae)  
*Thuja occidentalis* (Cupressaceae)  
*Tilia americana* (Tiliaceae)  
*Viburnum* sp. (Caprifoliaceae)  
**7765 angulifera** (Walker, 1855) (McD 810) **35.24**  
*aurantiaca* Igel, 1928  
Tuliptree silk moth  
Range.- I-II (e. U.S.: MA-FL/MI-MS)  
Dates.- Mar-May, Aug  
Hosts.- *Liriodendron tulipifera* (Magnoliaceae)  
*Prunus serotina* (Rosaceae)  
*Sassafras albidum* (Lauraceae)  
**7766 securifera** (Maassen, 1873) (McD 810a) **35.25-26**  
*carolina* (Jones, 1908)  
Carolina silk moth  
Range.- I-IV (se. U.S.: VA-FL/MS-LA)  
Dates.- Feb-May, Jul, Sep  
Hosts.- *Magnolia virginiana* (Magnoliaceae)

**HYALOPHORA** Duncan, 1841

- Samia*.- auct. (not Hübner, [1819])  
*Platysamia* Grote, 1865  
**7767 cecropia** (Linnaeus, 1758) (McD 804) **38.12**  
*diana* (Castiglioni, 1790)  
*macula* (Reiff, 1911)  
*uhlerii* (Polacek, 1928)  
*obscura* (Sageder, 1933)  
*albofasciata* (Sageder, 1933)  
Cecropia moth  
Range.- I-III (N.Am.: N.S.-FL/B.C.-TX)  
Dates.- Mar-May, Jul, Nov  
Hosts.- *Acer* sp., *A. negundo*, *A. rubrum*, *A. saccharinum*,  
*A. spicatum* (Aceraceae)  
*Alnus serrulata* (Betulaceae)  
*Amelanchier arborea*, *A. arbutifolia* (Rosaceae)  
*Berberis vulgaris* (Berberidaceae)  
*Betula* sp., *B. alba*, *B. allegheniensis*, *B. lenta*, *B.*  
*papyrifera* (Betulaceae)  
*Carya* sp., *C. illinoensis* (Juglandaceae)  
*Cephalanthus occidentalis* (Nauclaceae)  
*Corylus americana*, *C. cornuta* (Betulaceae)  
*Crataegus calpodendron*, *C. crusgalli*, *C. oxycan-*  
*tha*, *C. pedicellata* (Rosaceae)  
*Decondon verticillatus* (Lythraceae)  
*Fagus* sp. (Fagaceae)  
*Fraxinus* sp. (Oleaceae)  
*Gaylussacia frondosa* (Ericaceae)  
*Gleditsia triacanthos* (Leguminosae)  
*Humulus lupulus* (Cannabidaceae)  
*Malus coronaria*, *M. pumila* (Rosaceae)  
*Ostrya virginiana* (Betulaceae)  
*Paeonia officinalis* (Paeoniaceae)

- Parthenocissus quinquefolia* (Vitaceae)  
*Philadelphus inodorus* (Philadelphaceae)  
*Physocarpus opulifolius* (Rosaceae)  
*Picea* sp. (Pinaceae)  
*Populus* sp., *P. balsamifera*, *P. tremuloides* (Salica-  
ceae)  
*Prunus* sp., *P. cerasus*, *P. domestica*, *P. illicifolia*,  
*P. maritima*, *P. pensylvanica*, *P. serotina*, *P.*  
*virginiana* (Rosaceae)  
*Pyrus* sp., *P. communis* (Rosaceae)  
*Quercus alba* (Fagaceae)  
*Ribes americanum*, *R. grossularia*, *R. nigrum*, *R.*  
*rubrum*, *R. sativum* (Saxifragaceae)  
*Rubus* sp., *R. allegheniensis*, *R. idaeus* var. *strigo-*  
*sus*, *R. occidentalis* (Rosaceae)  
*Salix* sp., *S. alba*, *S. humilis*, *S. lucida*, *S. viminalis*  
(Salicaceae)  
*Sambucus canadensis*, *S. pubens* (Caprifoliaceae)  
*Sassafras albidum* (Lauraceae)  
*Sorbus americana* (Rosaceae)  
*Spiraea corymbosa*, *S. salicifolia*, *S. tomentosa*  
(Rosaceae)  
*Symphoricarpos albus* (Caprifoliaceae)  
*Syringa vulgaris* (Oleaceae)  
*Tilia americana*, *T. europaea* (Tiliaceae)  
*Ulmus americana*, *U. rubra*, *U. thomasi* (Ulmace-  
ae)  
*Vaccinium* sp. (Ericaceae)  
*Wisteria sinensis* (Leguminosae)

**SPHINGOIDEA****SPHINGIDAE****SPHINGINAE****SPHINGINI**

- AGRIUS** Hübner, [1819]  
*Herse*.- auct. (not Agassiz, 1846)  
**7771 cingulatus** (Fabricius, 1775) (McD 693) T **36.1-2**  
*affinis* (Goeze, 1780)  
*druriae* (Donovan, 1810)  
*pungens* (Eschscholtz, 1821)  
var. *decolora* (H. Edwards, 1882)  
f. *pallida* (Closs, 1917)  
ab. *tukurine* (Lichy, 1943)  
f. *ypsilonnigrum* (Bryk, 1953)  
*decolorata* (Kimball, 1965), missp.  
Sweetpotato hornworm  
Range.- I-VIII (se. U.S.: NC-FL/MI-TX; West Indies;  
Mex.-Argentina)  
Dates.- Jan, Mar-Dec  
Hosts.- *Asimina triloba* (Annonaceae)  
*Datura stramonium* (Solanaceae)  
*Ipomoea* sp., *I. batatas* (Convolvulaceae)

**COCYTIUS** Hübner, [1819]

- Amphonyx* Poey, 1832  
*Amphonyx* Lucas, 1857, missp.  
*Ancistrognathus* Wallengren, 1858  
**7772 antaeus** (Drury, 1773) (McD 694) T **36.10**

- jatrophae* (Fabricius, 1775)  
*hydaspus* (Cramer, 1777)  
*hydaspes* (Cramer, 1782), missp.  
*medor* (Stoll, 1782)  
*tapayusa* (Moore, 1883)  
*henrici* Pinchon, 1969
- Giant sphinx  
 Range.- III-VIII (FL; West Indies; TX-Argentina)  
 Dates.- Jan-Jun, Aug, Oct-Nov  
 Hosts.- *Annona glabra*, *A. squamosa* (Annonaceae)  
*Ipomoea* sp. (Convolvulaceae)  
*Jatropha* sp. (Euphorbiaceae)
- 7773 **duponchel** (Poey, 1832) (McD 695) T  
*godartii* (Boisduval, [1875])  
*rivularis* (Butler, 1875)  
*affinis* Rothschild, 1894  
 ab. *roseus* Gehlen, 1927
- Duponchel's sphinx  
 Range.- IV-VIII (FL; TX; West Indies; Mex.-Argentina)  
 Dates.- Sep (stray)  
 Hosts.- *Annona* sp. (Annonaceae)
- MANDUCA** Hübner, 1807  
*Phlegethontius* Hübner, [1819]  
*Protoparce* Burmeister, 1856  
*Macrosila* Walker, 1856  
*Syzygia* Grote & Robinson, 1865  
*Diludia* Grote & Robinson, 1865  
*Chlaenogramma* Smith, 1887  
*Profoparce* ZR, 1968, missp.
- 7775 **sexta** (Linnaeus, 1763) (McD 696) T  
*carolina* (Linnaeus, 1764)  
*nicotianae* (Ménétriés, 1857), nom. nud.  
*lycopersici* (Boisduval, [1875])  
*nicotianae* (Boisduval, [1875])
- Tobacco hornworm  
 Range.- I-VIII (N.Am.: Ont.-FL/MN-CA; West Indies; Mex.-Argentina)  
 Dates.- Jan-Dec  
 Hosts.- *Atropa belladonna* (Solanaceae)  
*Capsicum annuum* (Solanaceae)  
*Datura* sp., *D. stramonium* (Solanaceae)  
*Lycopersicon esculentum* (Solanaceae)  
*Lycium halimifolium* (Solanaceae)  
*Nicotiana glauca*, *N. tabacum* (Solanaceae)  
*Physalis angulata*, *P. viscosa* (Solanaceae)  
*Solanum* sp., *S. carolinense*, *S. eleagnifolium*, *S. melongena* var. *esculentum*, *S. nigrum*, *S. sisymbriifolium*, *S. tuberosum*, *S. wallacei* (Solanaceae)
- 7776 **quinquemaculata** (Haworth, 1803) (McD 697) T  
*celeus* (Hübner, [1821])  
*maculata* (Grote, 1883), missp.  
 ab. *wirti* (Schaus, 1927)
- Tomato hornworm  
 Range.- I-VIII (N.Am.: N.S.-FL/SD-CA; West Indies; Mex.-Brazil)  
 Dates.- Feb, Apr-May, Jul-Sep  
 Hosts.- *Atropa belladonna* (Solanaceae)  
*Capsicum annuum* (Solanaceae)  
*?Clerodendrum indicum* (Verbenaceae)  
*?Cordia* sp. (Boraginaceae)  
*Datura halimifolium* (Solanaceae)  
*Lycopersicon esculentum* (Solanaceae)  
*Lycium halimifolium* (Solanaceae)

- Nicotiana tabacum* (Solanaceae)  
*Physalis viscosa* (Solanaceae)  
*Solanum* sp., *S. eleagnifolium*, *S. melongena* var. *esculentum*, *S. tuberosum* (Solanaceae)  
*?Taraxacum officinale* (Compositae)
- 7778 **rustica** (Fabricius, 1775) (McD 698) T **36.4**  
*chionanthi* (J. E. Smith, 1797)
- Rustic sphinx  
 Range.- I-VI (U.S.: MA-FL/MO-CA; West Indies; Mex.-Argentina)  
 Dates.- Feb, May-Nov  
 Hosts.- *Bigonia* sp. (Bignoniaceae)  
*Callicarpa americana* (Verbenaceae)  
*Chionanthus virginicus* (Oleaceae)  
*Fraxinus* sp. (Oleaceae)  
*Gardenia* sp. (Rubiaceae)  
*Helianthus annuus* (Compositae)  
*Heliotropium* sp. (Boraginaceae)  
*Jasminum* sp. (Oleaceae)  
*Lagerstroemia indica* (Lythraceae)  
*Lantana* sp. (Verbenaceae)  
*Ligustrum* sp., *L. sinense* (Oleaceae)  
*Syringa vulgaris* (Oleaceae)  
*?Trichostema dichotomum* (Labiatae)
- 7780 **brontes** (Drury, 1773) (McD 699) T  
*collaris* (Walker, 1856)  
*cubensis* (Grote, 1865)
- Cuban sphinx  
 Range.- III-VI (FL; West Indies)  
 Dates.- Apr-Sep  
 Hosts.- Unknown
- 7782 **florestan** (Cramer, 1782) (McD 701) T  
*forestan* (Hübner, [1819]), missp.  
*floristan* (Ménétriés, 1857), missp.  
*brevimargo* (Butler, 1875)  
*ishkal* (Schaus, 1932)  
*cabnal* (Schaus, 1932)  
*argentinica* (Daniel, 1949)  
 f. *vogli* (Daniel, 1949)
- Range.- VIII ([FL]; AZ; West Indies; Mex.-Argentina)  
 Dates.- Aug (stray)  
 Hosts.- *?Tabebuia pallida* (Bignoniaceae)
- 7783 **jasminearum** (Guérin-Ménéville, [1829-32]) (McD 702)  
*rotundata* (Rothschild, 1894)
- Ash sphinx  
 Range.- I-II (e. U.S.: CT-FL/AR-TX)  
 Dates.- Jan, Aug  
 Hosts.- *Fraxinus* sp. (Oleaceae)  
*Syringa* sp. (Oleaceae)
- 36.3 DOLBA** Walker, 1856
- 7784 **hyloeus** (Drury, 1773) (McD 703) **38.1**  
*prini* (J. E. Smith, 1797), repl. name  
*floridensis* B. P. Clark, 1919  
*hylaesus* B. P. Clark, 1919, emend.
- Pawpaw sphinx  
 Range.- I-VI (e. N.Am.: Ont.-FL/WI-TX)  
 Dates.- Feb-Sep, Nov  
 Hosts.- *Asimina* sp., *A. triloba* (Annonaceae)  
*Comptonia peregrina* (Myricaceae)  
*Ilex glabra* (Aquifoliaceae)  
*Myrica gale* (Myricaceae)

- Vaccinium angustifolium*, *V. myrtillus*, *V. uliginosum* (Ericaceae)
- CERATOMIA** Harris, 1839  
*Daremma* Walker, 1856  
*Isogramma* Rothschild & Jordan, 1903, preocc. (Meek & Worthen, 1873)  
*Autogramma* Jordan, 1946, repl. name
- 7786 **amyntor** (Geyer, 1835) (McD 706) **36.13**  
*quadricornis* Harris, 1839  
*ulmi* Boisduval, [1875]  
Elm sphinx; Four-horned sphinx  
Range.- I-III (e. N.Am.: N.S.-FL/Sask.-TX)  
Dates.- Apr, Jun  
Hosts.- *Ulmus* sp. (Ulmaceae)
- 7787 **undulosa** (Walker, 1856) (McD 707) **36.12**  
*repentinus* Clemens, 1859  
*polingi* B. P. Clark, 1929  
*borealis* B. P. Clark, 1929  
f. *engeli* Chermock & Chermock, 1940  
Waved sphinx  
Range.- I-IV (e. N.Am.: N.S.-FL/Alb.-TX)  
Dates.- Jan-Jun, Aug  
Hosts.- *Campsis radicans* (Bignoniaceae)  
*Chionanthus virginicus* (Oleaceae)  
*Fraxinus* sp., *F. americana*, *F. nigra* (Oleaceae)  
*Ligustrum* sp. (Oleaceae)  
*Quercus alba*, *Q. rubra* (Fagaceae)  
*Syringa* sp. (Oleaceae)
- 7789 **catalpae** (Boisduval, [1875]) (McD 708) **36.11**  
race *kanawahensis* Sweadner, Chermock & Chermock, 1940  
*kansensis* Howe & Howe, 1950  
*catlapae* Rings & Rings, 2001, missp.  
Catalpa sphinx  
Range.- I-VI (e. U.S.: CT-FL/MI-TX)  
Dates.- Feb, Apr-Oct  
Hosts.- *Catalpa* sp., *C. bignonioides*, *C. speciosa* (Bignoniaceae)
- ISOPARCE** Rothschild & Jordan, 1903
- 7791 **cupressi** (Boisduval, [1875]) (McD 709) **37.1**  
*cupressi* Eitschberger, 2001, missp.  
Cypress sphinx  
Range.- I-VI (se. U.S.: NC-FL/AR-TX)  
Dates.- Mar, May, Jul-Oct  
Hosts.- *Chamaecyparis thyoides* (Cupressaceae)  
*Taxodium distichum* (Taxodiaceae)
- PARATREA** Grote, 1903  
*Atreus* Grote, 1886, preocc. (Koch, 1837)  
*Atreides* Holland, 1903  
*Paratraea* Covell, 1984, missp.
- 7793 **plebeja** (Fabricius, 1777) (McD 711) **37.5**  
*plebeia* auct., missp.  
Plebeian sphinx  
Range.- I-IV (e. U.S.: CT-FL/MI-TX)  
Dates.- Mar-Sep, Nov-Dec  
Hosts.- *Anisostichus* sp., *A. carreolatus* (Bignoniaceae)  
*Bignonia* sp. (Bignoniaceae)  
*Campsis radicans* (Bignoniaceae)  
*Passiflora* sp. (Passifloraceae)  
*Syringa vulgaris* (Oleaceae)  
*Tecoma* sp. (Bignoniaceae)
- SPHINX** Linnaeus, 1758  
*Sphynx* Pallas, 1771, missp.  
*Spectrum* Scopoli, 1777  
*Phinx* Fuessly, 1781, missp.  
*Hyloicus* Hübner, [1819]  
*Lethia* Hübner, [1819]  
*Herse* Agassiz, 1846  
*Hyloecus* Agassiz, [1847], emend.  
*Lintneria* Butler, 1877  
*Gargantua* Kirby, 1892, preocc. (Julien, 1888)  
*Linneria* Rothschild & Jordan, 1903, missp.  
*Hyloecus* Kusnesov, 1906, emend.  
*Mesosphinx* Cockerell, 1920
- 7802 **chersis** (Hübner, [1823]) (McD 719)  
*cinerea* Harris, 1839  
*oreodaphne* Harris, 1839  
*pallascens* (Rothschild & Jordan, 1903)  
Great ash sphinx  
Range.- I-III (N.Am.: N.S.-FL/B.C.-CA; Mex.)  
Dates.- Sep  
Hosts.- *Fraxinus* sp. (Oleaceae)  
*Gardenia jasminoides* (Rubiaceae)  
*Jasminum* sp. (Oleaceae)  
*Ligustrum* sp., *L. japonicum*, *L. lucidum*, *L. sinense*, *L. vulgare* (Oleaceae)  
*Prunus serotina* (Rosaceae)  
*Syringa persica*, *S. vulgaris* (Oleaceae)
- 7808 **franckii** Neumögen, 1893 (McD 726)  
Franck's sphinx  
Range.- I (e. U.S.: NY-FL/MO-LA)  
Dates.- Jun, Aug  
Hosts.- *Fraxinus americana* (Oleaceae)  
*Ulmus* sp. (Ulmaceae)
- 7809 **kalmiae** J. E. Smith, 1797 (McD 727)  
Laurel sphinx  
Range.- I (e. N.Am.: Newfd-FL/Sask.-LA)  
Dates.- (stray)  
Hosts.- *Chionanthus virginicus* (Oleaceae)  
*Diervilla lonicera* (Caprifoliaceae)  
*Fraxinus nigra* (Oleaceae)  
*Ilex glabra* (Aquifoliaceae)  
*Kalmia* sp. (Ericaceae)  
*Ligustrum* sp. (Rosaceae)  
*Nemopanthus mucronatus* (Aquifoliaceae)  
*Prunus maritima* (Rosaceae)  
*Rhododendron* sp. (Ericaceae)  
*Syringa* sp. (Oleaceae)
- 7810 **gordius** Cramer, 1780 (McD 728)  
*poecila* Stephens, 1828  
*oslari* (Rothschild & Jordan, 1903)  
*borealis* B. P. Clark, 1920  
f. *coxeyi* Cadbury, 1931  
Apple sphinx  
Range.- I-IV (N.Am.: Newfd-FL/Alb.-TX)  
Dates.- Feb-Apr  
Hosts.- *Betula* sp. (Betulaceae)  
*Comptonia peregrina* var. *asplenifolia* (Myricaceae)  
*Fraxinus* sp. (Oleaceae)  
*Gaylussacia dumosa* (Ericaceae)  
*Ligustrum* sp. (Oleaceae)  
*Lyonia ligustrina* (Ericaceae)  
*Malus pumila* (Rosaceae)  
*Myrica cerifera*, *M. pensylvanica* (Myricaceae)

*Pyrus communis* (Rosaceae)  
*Rosa carolina* (Rosaceae)  
*Vaccinium corymbosum*, *V. macrocarpon*, *V. myrtil-  
 lus*, *V. uliginosum* (Ericaceae)

**LAPARA** Walker, 1856

*Ellema* Clemens, 1859  
*Exedrium* Grote, 1882

7816 **coniferarum** (J. E. Smith, 1797) (McD 734/735)

*cana* (Butler, 1877)  
*halicarnie* (Strecker, 1880)  
*halicarniae* auct., missp.

Pine sphinx

Range.- I-VI (e. U.S.: NY-FL/WI-LA)

Dates.- Jan-Sep, Nov-Dec

Hosts.- *Pinus* sp., *P. taeda*, *P. virginiana* (Pinaceae)

**SMERINTHINI****PROTAMBULYX** Rothschild & Jordan, 1903

*Ambulyx* Herrich-Schäffer, [1854], preocc.  
 (Westwood, 1847)

*Ambulix* Lucas, [1857], missp.  
*Protambulix* Wood, 1907, missp.

7818 **strigilis** (Linnaeus, 1771) (McD 737) T

var. *rubripennis* (Butler, 1877)

Streaked sphinx

Range.- III-VIII (FL; TX; West Indies; Mex.-Argentina)

Dates.- Feb, Aug

Hosts.- *Anacardium* sp. (Anacardiaceae)

*Comocladia* sp. (Anacardiaceae)

*Erythroxylum* sp. (Anacardiaceae)

*Schinus terebinthifolius* (Anacardiaceae)

*Spondias* sp. (Anacardiaceae)

7819 **carteri** Rothschild & Jordan, 1903 (McD 738) T

Carter's sphinx

Range.- IV-VIII (FL; West Indies)

Dates.- Jan-Dec

Hosts.- Unknown

**SMERINTHUS** Latreille, 1802

*Dilina* Dalman, 1816

*Merinthus* Meigen, 1830, missp.

*Smerynthus* Cantener, 1833, missp.

*Bebroptera* Sodoffsky, 1837, repl. name

*Eusmerinthus* Grote, 1877

*Copismerinthus* Grote, 1886

*Copiosmerinthus* Kirby, 1892, missp.

*Beproptera* Neave, 1839, missp.

7821 **jamaicensis** (Drury, 1773) (McD 739)

*geminatus* Say, 1824

var. *tripartitus* Grote, 1886

var. *flavitincta* Nixon, 1912

ab. *clarkii* Franck, 1913

race *gamma* Cockerell, 1925

Twin-spotted sphinx

Range.- I-III (N.Am.: Newfd.-FL/B.C.-AZ)

Dates.- Mar, Jun, Aug

Hosts.- *Betula papyrifera* (Betulaceae)

*Carpinus caroliniana* (Betulaceae)

*Corylus* sp. (Betulaceae)

*Fraxinus* sp. (Oleaceae)

*Malus pumila* (Rosaceae)

*Ostrya virginiana* (Betulaceae)

*Populus* sp. (Salicaceae)

*Prunus cerasus*, *P. domestica*, *P. serotina* (Rosaceae)

*Quercus* sp. (Fagaceae)

*Salix* sp. (Salicaceae)

*Spiraea* sp. (Rosaceae)

*Tilia* sp. (Tiliaceae)

*Ulmus* sp. (Ulmaceae)

**PAONIAS** Hübner, [1819]

*Calasymbolus* Grote, 1873

7824 **excaecatus** (J. E. Smith, 1797) (McD 741)

*pavonina* Geyer, 1837

var. *pecosensis* Cockerell, 1905

*borealis* (B. P. Clark, 1929)

Blind-eyed sphinx

Range.- I-IV (N.Am.: N.S.-FL/B.C.-AZ)

Dates.- Mar-Apr, Jun-Oct

Hosts.- *Amelanchier alnifolia* (Rosaceae)

*Betula* sp., *B. papyrifera* (Betulaceae)

*Carpinus caroliniana* (Betulaceae)

*Corylus* sp. (Betulaceae)

*Crataegus* sp., *C. douglasii* (Rosaceae)

*Cydonia japonica* (Rosaceae)

*Fraxinus* sp. (Oleaceae)

*Malus pumila* (Rosaceae)

*Ostrya virginiana* (Betulaceae)

*Physocarpus opulifolius* (Rosaceae)

*Populus alba*, *P. balsamifera* (Salicaceae)

*Prunus cerasus*, *P. domestica*, *P. serotina* (Rosaceae)

*Pyrus communis* (Rosaceae)

*Quercus* sp. (Fagaceae)

*Rosa carolina* (Rosaceae)

*Rubus allegheniensis*, *R. idaeus* var. *strigosus* (Rosaceae)

*Salix* sp. (Salicaceae)

*Spiraea salicifolia*

*Tilia americana* (Tiliaceae)

*Ulmus* sp. (Ulmaceae)

*Wisteria frutescens*, *W. sinensis* (Leguminosae)

7825 **myops** (J. E. Smith, 1797) (McD 742)

*rosacearum* (Boisduval, 1836)

var. *cerasi* (Boisduval, [1875])

var. *sorbi* (Boisduval, [1875])

*tiliastri* (Boisduval, [1875])

*occidentalis* (B. P. Clark, 1919)

*mccreayi* (B. P. Clark, 1929)

Small-eyed sphinx

Range.- I-III (N.Am.: N.S.-FL/B.C.-AZ; Mex.)

Dates.- Mar-Apr, Jun-Sep

Hosts.- *Betula* sp. (Betulaceae)

*Corylus* sp. (Betulaceae)

*Crataegus* sp. (Rosaceae)

*Populus* sp. (Salicaceae)

*Prunus cerasus*, *P. domestica*, *P. serotina* (Rosaceae)

*Salix* sp. (Salicaceae)

*Vitis* sp. (Vitaceae)

7826 **astylus** (Drury, 1773) (McD 743)

*io* (Guérin-Ménéville, [1829-31])

*integerrima* (Harris, 1839)

Huckleberry sphinx

Range.- I-II (e. U.S.: ME-FL/MO-LA)

36.8-9

37.2-4

35.14-15

38.8

37.10

35.19

- Dates.– Mar-Apr, Jul, Sep  
 Hosts.– *Andromeda* sp. (Ericaceae)  
*Gaylussacia frondosa* (Ericaceae)  
*Lyonia ligustrina* (Ericaceae)  
*Prunus cerasus*, *P. serotina* (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Vaccinium corymbosum*, *V. uliginosum*, *V. vacillans* (Ericaceae)
- LAOTHOE** Fabricius, 1807  
*Amorpha* Hübner, [1809]  
*Cressonia* Grote & Robinson, 1865
- 7827 **juglandis** (J. E. Smith, 1797) (McD 744) **36.6-7**  
*pallens* (Strecker, 1873)  
*instibilis* (Butler, 1877)  
*robinsonii* Butler, 1877  
 var. *hyperbola* Slosson, 1890  
*alpina* B. P. Clark, 1927  
*manitobae* B. P. Clark, 1930  
 Walnut sphinx  
 Range.– I-IV (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.– Feb-Jun, Aug-Sep  
 Hosts.– *Carya illinoensis*, *C. tomentosa* (Juglandaceae)  
*Fagus* sp. (Fagaceae)  
*Jatropha gossypifolia* (Euphorbiaceae)  
*Juglans cinerea*, *J. nigra* (Juglandaceae)  
*Ostrya virginiana* (Betulaceae)  
*Prunus pensylvanica*, *P. serotina* (Rosaceae)  
*Schinus terebinthifolius* (Anacardiaceae)
- PACHYSPHINX** Rothschild & Jordan, 1903  
 7828 **modesta** (Harris, 1839) (McD 745)  
*princes* (Walker, 1856)  
*populicola* (Boisduval, [1875])  
*cablei* (Reizenstein, 1881)  
*borealis* B. P. Clark, 1929  
 Big poplar sphinx  
 Range.– I (N.Am.: N.S.-FL/B.C.-TX)  
 Dates.– May, Jul  
 Hosts.– *Malus pumila* (Rosaceae)  
*Populus* sp., *P. balsamifera*, *P. deltoides*, *P. fremonti*, *P. gileadensis*, *P. heterophylla*, *P. nigra* var. *italica*, *P. tremuloides* (Salicaceae)  
*Salix* sp. (Salicaceae)
- Erinnis* Carcasson, 1968, missp.  
*Erynnis* Bellotti & Arias, 1978, missp.
- 7832 **alope** (Drury, 1770) (McD 747) T **35.16**  
*flavicans* (Goeze, 1780)  
*fasciata* (Swainson, 1823)  
*edwardsii* (Butler, 1881)  
 Cassava hornworm; Alope sphinx  
 Range.– I-VIII (s. U.S.: FL-AZ; West Indies; Mex.-Argentina)  
 Dates.– Jan-Jun, Aug, Oct-Dec  
 Hosts.– *Allemanda* sp. (Apocynaceae)  
*Carica papaya* (Caricaceae)  
*Euphorbia* sp., *E. heterophylla*, *E. hirta*, *E. lactea*, *E. pulcherrima*, *E. tirucalli* (Euphorbiaceae)  
*Jatropha* sp. (Euphorbiaceae)  
*Manihot carthagenensis* (Euphorbiaceae)
- 7833 **lassauxii** (Boisduval, 1859) (McD 748) T  
*merianae* Grote, 1865  
*omphaleae* (Boisduval, 1870)  
*janiphae* (Boisduval, [1875])  
 f. *impunctata* Rothschild & Jordan, 1903  
 Lassaux's sphinx  
 Range.– I-IV (s. U.S.: FL-AZ; West Indies; Mex.-Argentina)  
 Dates.– Sep (stray)  
 Hosts.– *Morenia* sp. (Palmae)
- 7834 **ello** (Linnaeus, 1758) (McD 749) T **35.17**  
 Ello Sphinx  
 Range.– I-VIII (s. U.S.: FL-TX; West Indies; Mex.-Argentina)  
 Dates.– Jan-Dec  
 Hosts.– *Bumelia angustifolia*, *B. celastrina* (Sapotaceae)  
*Carica papaya* (Caricaceae)  
*Chrysophyllum oliviforme* (Sapotaceae)  
*Cnidoscolus* sp., *C. texanus* (Euphorbiaceae)  
*Dipholis salicifolia* (Sapotaceae)  
*Euphorbia* sp., *E. buxifolia*, *E. cotinifolia*, *E. heterophylla*, *E. lactea*, *E. lacta*, *E. pulcherrima*, *E. splendens*, *E. tirucalli*, *E. trigona* (Euphorbiaceae)  
*Manilkara bahamensis*, *M. zapota* (Sapotaceae)  
*Psidium guajava* (Myrtaceae)  
*Yucca* sp. (Agavaceae)
- 7835 **oenotrus** (Cramer, 1782) (McD 750) T  
*penaeus* (Fabricius, 1787)  
*picta* (Sepp, 1848)  
*melancholica* Grote, 1865  
*piperis* (Grote & Robinson, 1868)  
*hippothoon* (Burmeister, 1878)  
 Oleander sphinx  
 Range.– VI-VIII (s. U.S.: FL-TX; West Indies; Mex.-Argentina)  
 Dates.– Jul (stray)  
 Hosts.– *Nerium oleander* (Apocynaceae)  
*Echites* sp. (Apocynaceae)
- 7836 **crameri** (Schaus, 1898) (McD 751) T  
 Cramer's sphinx  
 Range.– IV-VIII (s. U.S.: FL-AZ; West Indies; Mex.-Argentina)  
 Dates.– Jul-Aug  
 Hosts.– *Allemanda* sp. (Apocynaceae)  
*Carica papaya* (Caricaceae)

## MACROGLOSSINAE

### DILOPHONOTINI

- PSEUDOSPHINX** Burmeister, 1856  
*Pseudosphinx* Burmeister, 1855, missp.  
*Macrosila* Lucas, 1857, preocc. (Walker, 1856)
- 7830 **tetrio** (Linnaeus, 1771) (McD 746) T **36.15**  
*hasdrubal* (Cramer, 1780)  
*obscura* Butler, 1877  
 Giant gray sphinx; Frangipani caterpillar  
 Range.– IV-VIII (FL; TX; West Indies; Mex.-Argentina)  
 Dates.– Mar-Apr, Jun-Jul, Sep, Nov  
 Hosts.– *Jasminum* sp. (Oleaceae)  
*Plumeria* sp., *P. alba*, *P. rubra* (Apocynaceae)  
 ?(Euphorbiaceae)
- ERINNYIS** Hübner, [1819]  
*Dilophonota* Burmeister, 1856



- 7837 **obscura** (Fabricius, 1775) (McD 752) T  
*stheno* Geyer, 1829  
*cinerosa* Grote & Robinson, 1865, nom. nud.  
*pallida* Grote, 1865  
*rhaebus* (Boisduval, 1870)  
*jamaicensis* B. P. Clark, 1935

Obscure sphinx

Range.- I-VIII (s. U.S.: FL-CA; West Indies; Mex.-Argentina)

Dates.- Jan-Dec

Hosts.- *Carica papaya* (Caricaceae)

*Cynanchum palustre* (Asclepiadaceae)

*Gonolobus* sp. (Asclepiadaceae)

*Sarcostemma clausum*, *S. cynanchoides* var. *hartwegii* (Asclepiadaceae)

- 7838 **domingonis** (Butler, 1875) (McD 753) T

*fasta* (H. Edwards, 1882)

*pallescent* B. P. Clark, 1936

Dominican sphinx

Range.- V-VIII (FL; TX; West Indies; Mex.-Argentina)

Dates.- Jun-Aug (stray)

Hosts.- Unknown

### PHRYXUS Hübner, [1819]

*Grammodia* Rothschild & Jordan, 1903

- 7840 **caicus** (Cramer, 1777) (McD 755) T

*cacus* (Fabricius, 1781), missp.

Phryxus sphinx

Range.- III-VIII (FL; West Indies/C. Am.-Argentina)

Dates.- Jan-Mar, May, Jul-Sep

Hosts.- *Echites* sp. (Apocynaceae)

*Zschokkea* sp. (Apocynaceae)

### PACHYLIA Walker, 1856

*Pachylia* Lucas, 1857, redesc.

- 7841 **ficus** (Linnaeus, 1758) (McD 756) T

*crameri* (Ménétriés, 1857)

*lyncea* Clemens, 1859

var. *venezuelensis* Schaufuss, 1870

*undatifascia* Butler, 1877

var. *aterrima* Bönninghausen, 1899

Fig sphinx

Range.- III-VIII (FL; TX; West Indies; Mex.-Argentina)

Dates.- Jan-May, Jul-Aug, Oct-Dec

Hosts.- *Artocarpus similis* (Moraceae)

*Cecropia* sp. (Moraceae)

*Ficus* sp. (Moraceae)

### PACHYLIODES Hodges, 1971

- 7842 **resumens** (Walker, 1856) (McD 757) T

*inconspicua* (Walker, 1856)

*versuta* (Clemens, 1859)

*tristis* (Grote & Robinson, 1868)

Range.- III (FL; TX; West Indies; Mex.-Argentina)

Dates.- Oct (stray)

Hosts.- *Echites embellata* (Apocynaceae)

### MADORYX Boisduval, [1875]

- 7843 **pseudothyreus** (Grote, 1865) (McD 758) T

False-windowed sphinx

Range.- III-VIII (FL; Cuba/Bahamas)

Dates.- Jan-May, Jul-Aug, Oct-Dec

Hosts.- ?*Tecoma* sp. (Bignoniaceae)

### 35.18 CALLIONIMA Lucas, 1857

*Callionima* Walker, 1856, preocc. (Agassiz, 1846)

*Callionime* Lucas, 1857, missp.

*Eucheryx* Boisduval, [1875]

*Callioma* Rothschild, 1894, missp.

*Calionma* Bönninghausen, 1899, missp.

*Calliomena* Rothschild & Jordan, 1903, missp.

- 7844 **parce** (Fabricius, 1775) (McD 759) T

*licastus* (Cramer, 1782)

*lycastus* (Walker, 1856), missp.

*galianna* (Burmeister, 1856)

*parthenope* (Zikán, 1935)

Parce sphinx

Range.- IV-VI (FL; TX-AZ; West Indies; Mex.-Argentina)

Dates.- Apr, Aug (stray)

Hosts.- Unknown

### PERIGONIA Herrich-Schäffer, 1854

*Perigonia* Walker, 1856, redesc.

- 7846 **lusca** (Fabricius, 1777) (McD 763) T

*interrupta* Walker, [1865]

*restituta* (Walker, [1865])

*dota* (Schaufuss, 1870)

var. *affinis* (Schaufuss, 1870)

*ilus* Boisduval, 1870

*tenebrosa* (R. Felder, 1874)

*passerina* Boisduval, [1875]

*bahamensis* B. P. Clark, 1919

f. *major* B. P. Clark, 1928

Coffee sphinx

Range.- VI-VIII (FL; TX; West Indies; Mex.-Argentina)

Dates.- Jan-Apr, Jun, Oct-Nov

Hosts.- *Coffea* sp. (Rubiaceae)

*Ilex krugiana* (Aquifoliaceae)

### 36.14

### EUPYRRHOGLOSSUM Grote, 1865

*Empyrrhoglossum* Bönninghausen, 1899, missp.

- 7846.1 **sagra** (Poey, 1832) (McD --) T

*harpyia* (Schaufuss, 1870)

Sagra sphinx

Range.- VI-VIII (FL; West Indies; Mex.-Paraguay)

Dates.- Dec

Hosts.- *Guettardia scabra* (Rubiaceae)

### AELLOPOS Hübner, [1819]

*Sesia*.- auct. (not Fabricius, 1775)

*Oellopus* H. Edwards, 1887, missp.

- 7847 **tantalus** (Linnaeus, 1758) (McD 764) T

37.11

*ixion* Linnaeus, 1758)

*zonata* (Drury, 1773)

*terpunctata* (Goeze, 1780)

*sisyphus* (Burmeister, 1856)

Tantalus sphinx

Range.- I-VIII (e. U.S.: NY-FL/MI-TX; West Indies; Mex.-Argentina)

Dates.- Jan-Dec

Hosts.- *Annona glabra* (Annonaceae)

*Casasia clusiifolia* (Rubiaceae)

?*Conocarpus erecta* (Combretaceae)

- 7849 **titan** (Cramer, 1777) (McD 765) T

Titan sphinx

Range.- I-VIII (e. U.S.: NY-FL/MI-TX; West Indies; Mex.-  
Argentina)

Dates.- Jun-Jul

Hosts.- *Randia* sp. (Rubiaceae)

7850 **fadus** (Cramer, 1776) (McD 766) T  
*annulosus* (Swainson, 1823)  
*balteata* (Kirtland, 1851)  
*f. flavosignata* (Closs, 1916)

*Fadus sphinx*

Range.- VI (se U.S.: [GA]-FL/AR-TX; West Indies; Mex.-  
Argentina)

Dates.- Nov

Hosts.- *Casasia clusiifolia* (Rubiaceae)

**ENYO** Hübner, [1819]

*Unzela* Walker, 1856

*Triptogon* Ménétériés, 1857

*Epistor* Boisduval, [1875]

*Triptogon* Moore, [1882], missp.

7851 **lugubris** (Linnaeus, 1771) (McD 760) T **38.2**

*fegeus* (Cramer, 1780)

*phegeus* Hübner, [1819], missp.

*fegas* (Ménétériés, 1857), missp.

*luctuosus* (Boisduval, [1875])

*lugubus* Bönninghausen, 1899, missp.

*ab. rufa* (Silva, 1934)

Mournful sphinx

Range.- I-VIII (s. U.S.: NC-FL/AR [strays to MI]-AZ;  
West Indies; Mex.-Argentina)

Date.- Jan-Dec

Hosts.- *Ampelopsis* sp. (Vitaceae)

*Cissus* sp. (Vitaceae)

*Parthenocissus quinquefolia* (Vitaceae)

*Randia* sp. (Rubiaceae)

?*Rosa* sp. (Rosaceae)

*Vitis* sp., *V. vinifera* (Vitaceae)

7852 **ocypete** (Linnaeus, 1758) (McD 761) T

*camertus* (Cramer, 1780)

*danum* (Cramer, 1780)

*ozypete* (Butler, 1877), missp.

*dunam* Carcasson & Heppner, 1996, missp.

Range.- III (FL; West Indies; Mex.-Argentina)

Dates.- May (stray)

Hosts.- (Vitaceae)

**HEMARIS** Dalman, 1816

*Hemeria* Billberg, 1820

*Haemorrhagia* Grote & Robinson, 1865

*Chamaesesia* Grote, 1877

7853 **thysbe** (Fabricius, 1775) (McD 767)

*pelagus* (Cramer, 1780)

*cimbiciformis* (Stephens, 1828)

*ruficaudis* (Kirby, 1837)

*fuscicaudis* (Walker, 1856)

*buffaloensis* (Grote & Robinson, 1867)

*floridensis* (Grote & Robinson, 1867)

*uniformis* (Grote & Robinson, 1868)

*etolus* (Boisduval, [1875])

*pyramus* (Boisduval, [1875])

Hummingbird sphinx

Range.- I-IV (N.Am.: Newfd.-FL/AK-TX)

Dates.- Mar-Aug, Oct

Hosts.- *Abelia* sp. (Caprifoliaceae)

*Crataegus* sp. (Rosaceae)

*Lonicera* sp. (Caprifoliaceae)

*Symphoricarpos albus* (Caprifoliaceae)

*Viburnum dentatum*, *V. lentago*, *V. opulus* (Capri-  
foliaceae)

7854 **gracilis** (Grote & Robinson, 1865) (McD 768)

Slender bee sphinx

Range.- I-IV (e. N.Am.: N.S.-FL/WI-TX)

Dates.- Mar

Hosts.- *Vaccinium* sp., *V. corymbosum*, *V. vacillans* (Erica-  
ceae)

7855 **diffinis** (Boisduval, 1836) (McD 770)

**37.9**

*thetis* (Boisduval, 1855)

*axillaris* (Grote & Robinson, 1868)

*tenuis* Grote, 1873

*marginalis* Grote, 1872

*palpalis* Grote, 1874

*grotei* (Butler, 1874)

*fumosa* (Strecker, 1874)

*aethra* (Strecker, 1875)

*cynoglossum* H. Edwards, 1875

*rubens* H. Edwards, 1875

*metathetis* Butler, [1877]

*ariadne* (Barnes & McDunnough, 1910)

*mcdunnoughi* B. P. Clark, 1927

*jordani* Barnes & Benjamin, 1927, preocc.

(Clark, 1927)

*heppneri* Eitschberger, Danner & Surholt,

1996, repl. name

Bumble bee sphinx

Range.- I (N.Am.: N.S.-FL/B.C.-CA)

Dates.- Apr-Jul

Hosts.- *Apocynum* sp., *A. androsaemifolium* (Apocynaceae)

*Clarkia rhomboidea* (Onagraceae)

*Diervilla lonicera* (Caprifoliaceae)

*Gayophytum diffusum* (Onagraceae)

*Lonicera* sp., *L. nitida*, *L. sempervirens*, *L. tatarica*

(Caprifoliaceae)

*Symphoricarpos* sp., *S. albus* (Caprifoliaceae)

*Triosteum* sp., *T. perfoliatum* (Caprifoliaceae)

*Vaccinium stamineum* (Ericaceae)

## PHILAMPELINI

**EUMORPHA** Hübner, 1807

*Pholus* Hübner, [1819]

*Daphnis* Hübner, [1819]

*Argeus* Hübner, [1819]

*Dupo* Hübner, [1819]

*Philampelus* Harris, 1839

*Philampilus* Schaufuss, 1870, missp.

**37.12** 7859 **pandorus** (Hübner, [1821]) (McD 772a) T **35.20**

*ampelophaga* (Walker, 1856)

*satellitica*.- auct. (not Linnaeus, 1771)

Pandora sphinx

Range.- I-VI (e. N.Am.: N.S.-FL/MI-TX; West Indies;  
Mex.)

Dates.- Jan, Apr-May, Jul-Sep

Hosts.- *Ampelopsis* sp. (Vitaceae)

*Cissus* sp., *C. sicyoides* (Vitaceae)

*Parthenocissus quinquefolia* (Vitaceae)

*Vitis* sp., *V. vinifera* (Vitaceae)

7859.1 **intermedia** (B. P. Clark, 1917) (McD 772b)

Intermediate sphinx

Range.- I-II (se. U.S.: NC-FL/AR?-TX)

- Dates.- Jan, Apr-May, Jul-Sep  
 Hosts.- ?*Ampelopsis* sp. (Vitaceae)  
 ?*Cissus* sp., *C. sicyoides* (Vitaceae)  
 ?*Parthenocissus quinquefolia* (Vitaceae)  
 ?*Vitis* sp., *V. vinifera* (Vitaceae)  
 7861 **achemon** (Drury, 1773) (McD 773)  
*crantor* (Cramer, 1777)  
*trigon* (Gehlen, 1926)  
 Achemon sphinx  
 Range.- I-IV (e. U.S.: MA-FL/MI-TX/CA-AZ; Mex.)  
 Dates.- Mar-May, Jul  
 Hosts.- *Ampelopsis* sp. (Vitaceae)  
*Carica papaya* (Caricaceae)  
*Jatropha* sp. (Euphorbiaceae)  
*Parthenocissus quinquefolia* (Vitaceae)  
*Vitis* sp., *V. vinifera* (Vitaceae)  
 7864 **vitis** (Linnaeus, 1758) (McD 775) T  
*hornbeckiana* (Harris, 1839)  
*linnei* (Grote & Robinson, 1865)  
*fuscatus* (Rothschild & Jordan, 1906)  
*f. pallida* (Closs, 1918)  
 Vine sphinx  
 Range.- I-VIII (se. U.S.: NC-FL/AR-TX; West Indies;  
 Mex.-Argentina)  
 Dates.- May, Aug-Nov  
 Hosts.- *Cissus* sp. (Vitaceae)  
*Jussiaea decurrens* (Onagraceae)  
*Vitis* sp., *V. vinifera* (Vitaceae)  
 7865 **fasciata** (Sulzer, 1776) (McD 776) T  
*jussieuae* (Hübner, [1819])  
*strigilis* (Vogel, 1822)  
 Banded sphinx  
 Range.- I-VIII (N.Am.: N.S.-FL/AR-CA; West Indies;  
 Mex.-Argentina)  
 Dates.- Jan-Nov  
 Hosts.- *Ludwigia decurrens*, *L. octovalvis*, *L. peruviana*  
 (Onagraceae)  
*Pittosporum tobira* (Pittosporaceae)  
*Tecomaria* sp. (Bignoniaceae)  
*Vitis* sp. (Vitaceae)  
 7866 **labruscae** (Linnaeus, 1758) (McD 777) T  
*clotho* (Fabricius, 1775)  
 Gaudy sphinx  
 Range.- I-VIII (se. U.S.: SC-FL/AR-TX [strays north];  
 West Indies; Mex.-Argentina)  
 Dates.- Jan-Feb, Apr, Jul-Sep, Nov-Dec  
 Hosts.- *Ampelopsis* sp. (Vitaceae)  
*Cissus incisa* (Vitaceae)  
*Eupatorium odoratum* (Compositae)  
*Parthenocissus* sp. (Vitaceae)  
*Vitis* sp. (Vitaceae)

### MACROGLOSSINI

- CAUTETHIA** Grote, 1865  
*Oenosanda* Walker, 1856, preocc. (Walker, 1856)  
*Braesia* Grote & Robinson, 1868, unavail.  
*Cautethia* Haxaire & Schmit, 2001, missp.  
 7867 **grotei** H. Edwards, 1882 (McD 762) T  
 Grote's sphinx  
 Range.- II-VIII (FL; Bahamas; Cuba)  
 Dates.- Jan-Dec  
 Hosts.- *Chiococca alba* (Rubiaceae)  
*Erithalis fruticosa* (Rubiaceae)

- SPHECODINA** Blanchard, 1840  
*Brachynota* Boisduval, 1870  
*Mareus* Kirby, 1880  
 7870 **abbottii** (Swainson, 1821) (McD 781)  
 Abbot's sphinx  
 35.21 Range.- I (e. N.Am.: Ont.-FL/MI-TX)  
 Dates.- Jul  
 Hosts.- *Ampelopsis* sp. (Vitaceae)  
*Crataegus* sp. (Rosaceae)  
*Parthenocissus quinquefolia* (Vitaceae)  
*Vitis* sp. (Vitaceae)

- DEIDAMIA** Clemens, 1859  
*Tricholon* Boisduval, [1875]  
 7871 **inscripta** (Harris, 1839) (McD 782) 38.5  
 Lettered sphinx  
 35.12 Range.- I (e. N.Am.: Que.-FL/WI-TX)  
 Dates.- Feb-Apr  
 Hosts.- *Ampelopsis* sp. (Vitaceae)  
*Oxydendrum arboreum* (Ericaceae)  
*Parthenocissus quinquefolia*, *P. tricuspidata* (Vitaceae)  
*Vitis* sp., *V. vinifera* (Vitaceae)

- AMPHION** Hübner, 1819  
 7873 **floridensis** B. P. Clark, 1920 37.6  
*nessus* (Cramer, 1777), preocc. (Drury, 1773)  
 Florida sphinx  
 35.13 Range.- I-VIII (e. N.Am.: N.S.-FL/Alb.-TX)  
 Dates.- Feb-Sep  
 Hosts.- *Ampelopsis* sp. (Vitaceae)  
*Capsicum* sp. (Solanaceae)  
*Citrus* sp. (Rutaceae)  
*Epilobium coloratum* (Onagraceae)  
*Fuchsia* sp. (Onagraceae)  
*Oenothera biennis* (Onagraceae)  
*Parthenocissus quinquefolia*, *P. tricuspidata* (Vitaceae)  
*Vitis* sp., *V. vinifera* (Vitaceae)

- PROSERPINUS** Hübner, [1819]  
*Pterogon* Boisduval, 1828  
*Pteropogon* Meigen, 1829, missp.  
*Lepisesia* Grote, 1865  
*Pogocolon* Boisduval, [1875]  
*Dieneces* Butler, 1881  
 7874 **gaurae** (J. E. Smith, 1797) (McD 786) 37.8  
*circae* H. Edwards, 1882  
*deceptiva* Barnes & Benjamin, 1924  
 Proud sphinx  
 Range.- I (se. U.S.: GA-FL/MO-TX)  
 Dates.- Aug  
 Hosts.- *Epilobium* sp. (Onagraceae)  
*Gaura* sp., *G. biennis* (Onagraceae)  
*Oenothera biennis* (Onagraceae)

- DARAPSA** Walker, 1856  
*Otus* Hübner, [1819], preocc. (Pennant, 1769)  
*Ampeloeca* Rothschild & Jordan, 1903  
 7884 **versicolor** (Harris, 1839) (McD 778) 35.11  
*lutescens* (J. E. Smith, 1797)  
 Hydrangea sphinx

Range.- I-VI (e. N.Am.: Que.-FL/WI-TX)  
 Dates.- Feb-Mar, May-Jun  
 Hosts.- *Cephalanthus occidentalis* (Naucleaceae)  
*Decodon* sp., *D. verticillatus* (Lythraceae)  
*Hydrangea arborescens* (Hydrangeaceae)

7885 **myron** (Cramer, 1780) (McD 779) **38.3**  
*pampinatrix* (J. E. Smith, 1797)  
*cnotus* (Hübner, [1823])  
 ab. *lutescens* (B. P. Clark, 1920)  
*texana* (B. P. Clark, 1920)  
 ab. *isatis* (Debauche, 1934)  
 Virginia-creeper sphinx

Range.- I-VIII (N.Am.: Que.-FL/WI-NM; Mex.)

Dates.- Jan-Dec

Hosts.- *Ampelopsis* sp. (Vitaceae)  
*Parthenocissus quinquefolia* (Vitaceae)  
*Viburnum* sp. (Caprifoliaceae)  
*Vitis* sp., *V. vinifera* (Vitaceae)

7886 **pholus** (Cramer, 1776) (McD 780) **38.4**  
*choerilus* (Cramer, 1780)  
*azaleae* (J. E. Smith, 1797)  
*chlorinda* (Butler, 1877)  
 f. *flavescens* Closs, 1911  
*brodiei* B. P. Clark, 1929  
 Azalea sphinx

Range.- I-III (N.Am.: N.S.-FL/B.C.-TX; Mex.)

Dates.- Mar-Jul, Sep-Oct

Hosts.- *Kalmia angustifolia* (Ericaceae)  
*Nyssa sylvatica* (Nyssaceae)  
*Rhododendron* sp., *R. periclymenoides*, *R. viscosum* (Ericaceae)  
*Tradescantia virginiana* (Commelinaceae)  
*Vaccinium* sp. (Ericaceae)  
*Viburnum* sp., *V. dentatum*, *V. lentago*, *V. opulus* (Caprifoliaceae)

**XYLOPHANES** Hübner, [1819]

*Deilonche* Grote, 1886  
*Gonenyo* Rothschild, 1894  
*Dilonche* Kirby, 1897, emend.

7887 **pluto** (Fabricius, 1777) (McD 794) T **38.7**  
*croesus* (Dalman, 1823)  
*thorates* (Hübner, [1827-31])

Pluto sphinx

Range.- I-VI (s. U.S.: FL; TX; West Indies; Mex.-Argentina)

Dates.- Feb-Aug, Oct-Nov

Hosts.- *Chiococca alba*, *C. pinetorum* (Rubiaceae)  
*Erythroxylum* sp. (Anacardiaceae)

7888 **porcus** (Hübner, [1823]) (McD 795) T  
 Porcus sphinx

Range.- IV-VI (FL; Cuba; Mex.-Paraguay)

Dates.- Feb, Apr-May, Aug

Hosts.- *Palicourea grandifolia* (Rubiaceae)

7890 **tersa** (Linnaeus, 1771) (McD 797) T **38.10**  
 f. *tristis* Closs, 1911

Tersa sphinx

Range.- I-VIII (e. N.Am.: Ont.-FL/MI-AZ; West Indies; Mex.-Argentina)

Dates.- Feb-Nov

Hosts.- *Bouvardia* sp. (Rubiaceae)  
*Catalpa* sp. (Bignoniaceae)  
*Diodia teres* (Rubiaceae)  
*Diospyros kaki*, *D. virginiana* (Ebenaceae)

*Grevillea robusta* (Proteaceae)  
*Manettia luteorubra* (Rubiaceae)  
*Paederia foetida* (Rubiaceae)  
*Pentas* sp. (Rubiaceae)  
*Phaseolus limensis* (Leguminosae)  
*Richardia scabra* (Rubiaceae)  
*Serissa japonica* (Rubiaceae)  
*Spermacoce* sp., *S. glabra* (Rubiaceae)  
*Zea mays* (Gramineae)

**HYLES** Hübner, [1819]

*Celerio* Oken, 1815, reject. (ICZN)

*Celerio* Agassiz, 1846

*Turneria* Tutt, 1903, preocc. (Forel, 1895)

*Hawaiiina* Tutt, 1903

*Hawaiiiana* Swezey, 1944, missp.

7894 **lineata** (Fabricius, 1775) (McD 799) T **38.9**  
*daucus* (Cramer, 1777)

White-lined sphinx

Range.- I-VIII (N.Am.: N.S.-FL/B.C.-CA; West Indies; Mex.-Argentina; Hawaii)

Dates.- Mar-Oct

Hosts.- *Amaranthus* sp. (Amaranthaceae)  
*?Arachis hypogaea* (Leguminosae)  
*Beta vulgaris* (Chenopodiaceae)  
*Boerhavia coccinea* (Nyctaginaceae)  
*Boisduvalia* sp. (Onagraceae)  
*Brassica rapa* (Cruciferae)  
*Chenopodium* sp. (Chenopodiaceae)  
*Chorizanthe rigida* (Polygonaceae)  
*Citrullus vulgaris* (Cucurbitaceae)  
*Clarkia* sp., *C. rhomboidae* (Onagraceae)  
*Cucumis melo* (Cucurbitaceae)  
*Diodia teres* (Rubiaceae)  
*Epilobium glandulosum* var. *adenocaulon* (Onagraceae)

*Fagopyrum sagittatum* (Polygonaceae)

*Fuchsia magellanica* var. *riccartoni* (Onagraceae)

*Gossypium herbaceum* (Malvaceae)

*Ipomoea* sp. (Convolvulaceae)

*Lactuca sativa* (Compositae)

*Lycopersicum esculentum* (Solanaceae)

*Malus pumila* (Rosaceae)

*Mirabilis jalapa* (Nyctaginaceae)

*Oenothera biennis* (Onagraceae)

*Parthenocissus quinquefolia* (Vitaceae)

*Pelargonium* sp. (Geraniaceae)

*Plantago* sp. (Plantaginaceae)

*Polygonum* sp. (Polygonaceae)

*Portulaca grandiflora*, *P. oleracea* (Portulacaceae)

*Prunus domestica* (Rosaceae)

*Pyrus communis* (Rosaceae)

*Ribes lacustre*, *R. sativum* (Saxifragaceae)

*Richardia scabra* (Rubiaceae)

*Rosa* sp., *R. woodsii* (Rosaceae)

*Rumex* sp., *R. obtusifolius* (Polygonaceae)

*Salix interior* (Salicaceae)

*Stellaria media* (Caryophyllaceae)

*Ulmus* sp. (Ulmaceae)

*Vitis* sp. (Vitaceae)

# NOCTUOIDEA

## NOTODONTIDAE

### NOTODONTINAE

**CLOSTERA** Samouelle, 1819

*Mellopha* Hübner, [1806], suppr.

*Ichthyura* Hübner, [1819]

*Melalopha* Hübner, [1822]

*Pygaera* auct., part (not Ochsenheimer, 1810)

7895 **albosigma** Fitch, 1856 (McD 3827)

*specifica* (Dyar, 1892)

Range.- I (N.Am.: N.S.-FL/B.C.-TX)

Dates.- Jun-Sep

Hosts.- *Populus tremuloides* (Salicaceae)

*Salix* sp. (Salicaceae)

7896 **inclusa** (Hübner, [1829-31]) (McD 3825) **42.22**

*anastomois*.- (J. E. Smith, 1797), not Linnaeus, 1758

*inversa* (Packard, 1864)

*palla* (French, 1882)

a) **jocosa** (H. Edwards, 1886)

Poplar tentmaker

Range.- I-VI (e. N.Am.: Que.-FL/MN-CO-TX)

Dates.- Jan-May, Nov-Dec

Hosts.- *Acer* sp. (Aceraceae)

*Diospyros* sp. (Ebenaceae)

*Itea virginica* (Iteaceae)

*Populus* sp., *P. deltoides*, *P. nigra* var. *italica*, *P. tremuloides* (Salicaceae)

*Salix* sp., *S. amphibia*, *S. babylonica*, *S. caroliniana*, *S. longipes*, *S. nigra*, *S. viminalis* (Salicaceae)

*Ulmus* sp. (Ulmaceae)

**DATANA** Walker, 1855

*Petasia*.- Westwood, 1837, not Stephens, 1828

*Pygaera*.- Harris, 1841, not Ochsenheimer, 1810

*Eumetopona* Fitch, 1856

7902 **ministra** (Drury, 1773) (McD 3829)

*ruficollis* Walker, 1862

Yellow-necked caterpillar

Range.- I-IV (N.Am.: N.S.-FL/MN-CA)

Dates.- Jun-Sep, Nov

Hosts.- *Acer* sp. (Aceraceae)

*Betula* sp., *B. alba*, *B. nigra*, *B. papyrifera*, *B. populifolia* (Betulaceae)

*Camellia japonica* (Theaceae)

*Carpinus caroliniana* (Betulaceae)

*Carya* sp., *C. cordiformis*, *C. glabra*, *C. laciniosa*, *C. ovalis*, *C. tomentosa* (Juglandaceae)

?*Caryota mistis* (Palmae)

*Castanea dentata*, *C. pumila*, *C. sativa* (Fagaceae)

*Corylus* sp., *C. americana*, *C. avellana* (Betulaceae)

*Crataegus* sp. (Rosaceae)

*Cydonia oblonga* (Rosaceae)

*Eriobotrya japonica* (Rosaceae)

*Fagus* sp., *F. grandifolia*, *F. sylvatica* var. *cuprea*,

*F. sylvatica* var. *laciniata* (Fagaceae)

*Hamamelis virginiana* (Hamamelidaceae)

*Juglans cinerea*, *J. nigra* (Juglandaceae)

*Lyonia lucida* (Ericaceae)

*Malus pumila* (Rosaceae)

*Oxydendrum arboreum* (Ericaceae)

*Prunus* sp., *P. americana*, *P. armeniaca*, *P. cerasus*, *P. domestica*, *P. illicifolia*, *P. persica* (Rosaceae)

*Pyrus communis* (Rosaceae)

*Quercus* sp., *Q. alba*, *Q. coccinea*, *Q. laevis*, *Q. laurifolia*, *Q. macrocarpa*, *Q. nigra*, *Q. palustris*, *Q. robur*, *Q. rubra*, *Q. stellata*, *Q. undulata*, *Q. velutina*, *Q. virginiana* (Fagaceae)

*Rhododendron* sp. (Ericaceae)

*Rhus* sp. (Anacardiaceae)

*Robinia pseudoacacia* (Leguminosae)

*Rosa* sp. (Rosaceae)

*Rubus allegheniensis* (Rosaceae)

*Taxodium* sp. (Taxodiaceae)

*Tilia americana*, *T. europaea*, *T. heterophylla* (Tiliaceae)

*Ulmus* sp. (Ulmaceae)

*Vaccinium* sp. (Ericaceae)

**42.23** 7903 **angusii** Grote & Robinson, 1866 (McD 3830)

*ministra*.- (J. E. Smith, 1797), part (not Drury, 1773)

*angusi* auct., missp.

Range.- I-II (e. N.Am.: N.S.-FL/MO-TX)

Dates.- Apr, Jun-Aug

Hosts.- *Betula* sp., *B. populifolia* (Betulaceae)

*Carya* sp., *C. illinoensis* (Juglandaceae)

*Fagus* sp. (Fagaceae)

*Hamamelis* sp., *H. virginiana* (Hamamelidaceae)

*Juglans cinerea*, *J. nigra* (Juglandaceae)

*Quercus* sp. (Fagaceae)

*Tilia* sp., *T. americana* (Tiliaceae)

*Vaccinium* sp. (Ericaceae)

7905 **major** Grote & Robinson, 1866 (McD 3832) **42.24-25**

*ministra*.- (J. E. Smith, 1797), part (not Drury, 1773)

Azalea caterpillar

Range.- I-III (e. N.Am.: N.S.-FL/KS-TX)

Dates.- May-Aug

Hosts.- *Andromeda* sp. (Ericaceae)

*Hamamelis virginiana* (Hamamelidaceae)

*Lyonia ligustrina*, *L. lucida*, *L. mariana* (Ericaceae)

*Malus pumila* (Rosaceae)

*Rhododendron* sp., *R. indicum* (Ericaceae)

*Vaccinium* sp., *V. stramineum*, *V. uliginosum* (Ericaceae)

7906 **contracta** Walker, 1855 (McD 3842)

Range.- I-III (ME-FL/WI-TX)

Dates.- Jul-Sep

Hosts.- *Carya* sp. (Juglandaceae)

*Castanea dentata*, *C. mollissima* (Fagaceae)

*Fraxinus* sp. (Oleaceae)

*Hamamelis virginiana* (Hamamelidaceae)

*Juglans nigra* (Juglandaceae)

*Platanus occidentalis* (Platanaceae)

*Quercus* sp., *Q. ilex*, *Q. laurifolia* (Fagaceae)

*Rosa* sp. (Rosaceae)

*Ulmus* sp. (Ulmaceae)

- 7907 **integerrima** Grote & Robinson, 1866 (McD 3839)  
Walnut caterpillar  
Range.— I-IV (e. N.Am.: Que.-FL/MN-TX)  
Dates.— Apr, Jul-Sep, Nov  
Hosts.— *Carya* sp., *C. aquatica*, *C. glabra*, *C. illinoensis* (Juglandaceae)  
*Castanea* sp. (Castanaceae)  
*Crataegus* sp. (Rosaceae)  
*Euphorbia* sp., *E. pulcherrima* (Euphorbiaceae)  
*Fagus* sp. (Fagaceae)  
*Gardenia* sp., *G. jasminoides* (Rubiaceae)  
*Gleditsia triacanthos* (Leguminosae)  
*Juglans* sp., *J. cinerea*, *J. cordifolia* var. *ailanthifolia*, *J. nigra*, *J. regia* (Juglandaceae)  
*Ligustrum japonicum* (Oleaceae)  
*Malus pumila* (Rosaceae)  
*Quercus* sp., *Q. incana*, *Q. nigra* (Fagaceae)  
*Robinia pseudoacacia* (Leguminosae)  
*Salix* sp. (Salicaceae)  
*Vaccinium arboreum* (Ericaceae)
- 7908 **perspicua** Grote & Robinson, 1865 (McD 3838)  
Range.— I (e. N.Am.: Ont.-FL/MO-TX)  
Dates.— May, Jul-Sep  
Hosts.— *Quercus* sp. (Fagaceae)  
*Rhus* sp., *R. aromatica*, *R. copallina*, *R. typhina* (Anacardiaceae)
- 7909 **robusta** Strecker, 1878 (McD 3837) 42.27  
Range.— I-VI (Gulf Coast: [GA]/FL-TX)  
Dates.— Jul-Nov  
Hosts.— *Arctostaphylos glauca* (Ericaceae)  
*Rhus* sp. (Anacardiaceae)
- 7911 **ranaecephus** (Guérin-Ménéville, 1832) (McD 3833/3834) 42.26  
*floridana* Graef, 1880  
*palmii* Beutenmüller, 1890  
*palmi* auct., missp.  
Range.— I-IV (e. U.S.: NY-FL/AR-TX)  
Dates.— Jul-Dec  
Hosts.— *Andromeda* sp. (Ericaceae)  
*Citrus* sp. (Rutaceae)  
*Lyonia mariana* (Ericaceae)  
*Vaccinium* sp. (Ericaceae)
- NADATA** Walker, 1855  
*Alastor* Boisduval, 1869, preocc. (not Lepeletier, 1841)
- 7915 **gibbosa** (J. E. Smith, 1797) (McD 3857) 42.31  
*doubledayi* Packard, 1864  
*rubripennis* Neumoegen & Dyar, 1893  
Range.— I-IV (N.Am.: N.S.-FL/CA)  
Dates.— Feb-Aug, Oct  
Hosts.— *Acer* sp., *A. macrophyllum* (Aceraceae)  
*Alnus* sp. (Betulaceae)  
*Amelanchier florida* (Rosaceae)  
*Betula papyrifera* (Betulaceae)  
*Castanea sativa* (Fagaceae)  
*Fagus* sp. (Fagaceae)  
*Prunus domestica* (Rosaceae)  
*Quercus* sp., *Q. kelloggii* (Fagaceae)  
*Rosa* sp. (Rosaceae)  
*Salix* sp. (Salicaceae)
- HYPERAESCHRA** Butler, 1880  
7917 **georgica** (Herrich-Schäffer, 1855) (McD 3845)  
Range.— I-IV (e. N.Am.: Que.-FL/MN-TX) 42.28-29
- Dates.— Feb-Jun, Aug-Oct  
Hosts.— *Fraxinus* sp. (Oleaceae)  
*Prunus serotina* (Rosaceae)  
*Quercus* sp., *Q. alba* (Fagaceae)
- PERIDEA** Stephens, 1828  
*Lophodonta* Packard, 1864  
*Mesodonta* Matsumura, 1920  
*Fusadonta* Matsumura, 1920
- 7919 **basitriens** (Walker, 1855) (McD 3849)  
Range.— I (e. N.Am.: N.S.-FL/MO-MS)  
Dates.— Apr-Oct  
Hosts.— Unknown
- 7920 **angulosa** (J. E. Smith, 1797) (McD 3854) 42.30  
Range.— I-IV (e. N.Am.: N.S.-FL/Man.-TX)  
Dates.— Jan-Dec  
Hosts.— *Carya illinoensis* (Juglandaceae)  
*Quercus* sp. (Fagaceae)
- 7921 **ferruginea** (Packard, 1864) (McD 3853)  
Range.— I-II (e. N.Am.: N.S.-FL/Man.-TX)  
Dates.— Mar, Jul-Sep, Nov  
Hosts.— *Betula* sp., *B. papyrifera* (Betulaceae)
- NERICE** Walker, 1855  
7929 **bidentata** Walker, 1855 (McD 3858)  
Range.— I-III (e. N.Am.: N.S.-FL/MN-TX)  
Dates.— Feb-Jun  
Hosts.— *Ulmus* sp., *U. americana* (Ulmaceae)
- ELLIDA** Grote, 1876  
7930 **caniplaga** (Walker, 1856) (McD 3875)  
*transversata* (Walker, 1865)  
*gelida* Grote, 1876  
Range.— I-II (e. N.Am.: Que.-FL/Man.-TX)  
Dates.— Jan, Mar-Jul  
Hosts.— *Tilia americana* (Tiliaceae)
- GLUPHISIA** Boisduval, 1828  
*Glyphidia* Agassiz, 1846, emend.  
*Melia* Neumoegen, 1892, preocc. (Bosc)  
*Eumelia* Neumoegen, 1893  
*Ceruridia* Dyar, 1893  
*Paraglyphisia* Djakonov, 1926
- 7931 **septentrionis** Walker, 1855 (McD 3939)  
*septentrionalis* auct., missp.  
*clandestin* (Walker, 1861)  
*trilineata* Packard, 1864  
f. *opaca* Barnes & Benjamin, 1927  
Range.— I (N.Am.: N.S.-FL/B.C.-TX)  
Dates.— Jun-Sep  
Hosts.— *Betula* sp., *B. allegheniensis* (Betulaceae)  
*Liquidambar styraciflua* (Hamamelidaceae)  
*Populus* sp., *P. balsamifera*, *P. deltoides*, *P. freemonti*, *P. gileadensis*, *P. tremuloides* (Salicaceae)  
*Salix* sp. (Salicaceae)  
*Tilia* sp. (Tiliaceae)  
*Ulmus* sp. (Ulmaceae)
- FURCULA** Lamarck, 1816  
*Harpyias* Hübner, [1819]  
*Cerura*— auct. (not Schrank, 1802)  
*Harpyia*— auct. (not Ochsenheimer, 1810)

*Dicranura*.– auct., not Reichenbach, 1817  
 7936 **borealis** (Guérin-Ménéville, 1832) (McD 3933)  
*furcula*.– (J. E. Smith, 1797) (not Clerck,  
 1759) **41.20-21**

Range.– I-III (e. U.S.: ME-FL/IL-TX)

Dates.– Feb-Aug

Hosts.– *Populus* sp. (Salicaceae)  
*Prunus* sp., *P. serotina* (Rosaceae)  
*Salix* sp. (Salicaceae)

7937 **cinerea** (Walker, 1865) (McD 3935)

a) **placida** (Dyar, 1892) **41.22**

Range.– I-VI (N.Am.: Que.-FL/B.C.-TX) [so. subsp.]

Dates.– Feb-Jun, Sep

Hosts.– *Populus* sp. (Salicaceae)  
*Salix* sp. (Salicaceae)

#### CERURA Schrank, 1802

*Andria* Hübner, [1806], suppr.  
*Harpyia*.– auct., not Ochsenheimer, 1810  
*Dicranura* Reichenbach, 1817  
*Pania* Dalman, 1821  
*Andria* Hübner, [1822]  
*Dicranoura* Berthold, 1827

7942 **scitisscripta** Walker, 1865 (McD 3929)

Range.– I-VI (e. N.Am.: Que.-FL/Man.-TX)

Dates.– Jan-Aug, Oct-Dec

Hosts.– *Populus* sp. (Salicaceae)  
*Prunus cerasus*, *P. serotina* (Rosaceae)  
*Punica granatum* (Punicaceae)  
*Salix* sp., *S. caroliniana* (Salicaceae)  
*Tilia europaea* (Tiliaceae)

7943 **candida** Lintner, 1878 (McD 3931)

Range.– I-VI (Gulf Coast: [GA]/FL-TX)

Dates.– Apr

Hosts.– *Salix* sp. (Salicaceae)

#### NYSTALEA Guenée, 1852

*Cyrrhesta* Walker, 1857  
*Eunystalea* Grote, 1895  
*Congruia* Dyar, 1908  
*Nystalea* Knudson & Bordelon, 1999,  
 missp.

7945 **indiana** Grote, 1884 (McD 3855) T **44.17-18**  
*nyseus*.– auct., misid. (not Cramer, 1776)

Range.– III-VIII (FL; West Indies)

Dates.– Feb-Mar, May-Aug, Nov-Dec

Hosts.– *Eucalyptus* sp. (Myrtaceae)  
*Psidium guajava*, *P. molle* (Myrtaceae)

7947 **eutalanta** Dyar, 1921 (McD 3856) T

*ebalea*.– auct. (not Cramer, 1784)

Range.– IV-VIII (FL; West Indies; [Mex.?.])

Dates.– Jan-Dec

Hosts.– Unknown

#### SYMMERISTA Hübner, [1821]

*Edema* Walker, 1855

7951 **albifrons** (J. E. Smith, 1797) (McD 3859) **42.33**  
*albicosta* (Hübner, [1809])

Range.– I-IV (e. N.Am.: N.S.-FL/Man.-TX)

Dates.– Jan-Apr, Jun-Nov

Hosts.– *Acer* sp. (Aceraceae)  
*Betula* sp., *B. papyrifera* (Betulaceae)  
*Carya* sp. (Juglandaceae)  
*Diospyros digyna* (Ebenaceae)  
*Fagus* sp. (Fagaceae)

*Quercus* sp., *Q. alba*, *Q. coccinea*, *Q. laurifolia*, *Q. macrocarpa*, *Q. shumardii*, *Q. virginiana* (Fagaceae)

*Tilia* sp. (Tiliaceae)

*Ulmus* sp. (Ulmaceae)

#### DASYLOPHIA Packard, 1864

7957 **anguina** (J. E. Smith, 1797) (McD 3880) **41.1**  
*cucullifera* (Herrich-Schäffer, 1855)

*punctata* (Walker, 1865)

*signata* (Walker, 1865)

*cana* (Walker, 1869)

*puntagorda* Slosson, 1892

Range.– I-IV (e. N.Am.: Que.-FL/Man.-TX)

Dates.– Feb-Jun, Aug, Nov

Hosts.– *Amorpha fruticosa* (Leguminosae)  
*Baptisia tinctoria* (Leguminosae)  
*Lespedeza capitata* (Leguminosae)  
*Robinia pseudoacacia* (Leguminosae)  
*Trifolium* sp. (Leguminosae)

7958 **thyatiroides** (Walker, 1862) (McD 3881)

*interna* (Packard, 1864)

*tripartita* (Walker, 1865)

Range.– I-III (e. N.Am.: N.S.-FL/MI-TX)

Dates.– Mar-Jul, Sep

Hosts.– ?*Carya* sp. (Juglandaceae)  
*Phaseolus* sp. (Leguminosae)  
*Pisum* sp. (Leguminosae)

#### RIFARGIA Walker, 1862

\*7965 **bichorda** (Hampson, 1901) (McD 3873.1) **44.19**

Range.– II-VIII (Florida)

Dates.– Jan, Mar-May, Jul-Oct, Dec

Hosts.– Unknown

#### LITODONTA Harvey, 1876

7968 **hydromeli** Harvey, 1876 (McD 3883) **41.3**  
 f. *fusca* Harvey, 1876

Range.– I-VIII (se. U.S.: FL-MO/OK-TX)

Dates.– Mar-Apr, Jul-Dec

Hosts.– *Bumelia celastrina*, *B. languinosa* (Sapotaceae)  
 ?*Crataegus* sp. (Rosaceae)

#### MISOGADA Walker, 1865

7974 **unicolor** (Packard, 1864) (McD 3909)

*marina* (Packard, 1864)

*sobria* Walker, 1865

Range.– I (e. U.S.: MA-FL/MO-TX)

Dates.– Mar, May-Aug

Hosts.– *Platanus occidentalis* (Platanaceae)

#### MACRUROCAMPA Dyar, 1893

*Fentonia*.– auct. (not Butler, 1881)

7975 **marthesia** (Cramer, 1780) (McD 3910) **41.10-11**

*tesella* (Packard, 1864)

*turbida* (Walker, 1865)

*elongata* (Grote & Robinson, 1867)

f. *nigra* (F. H. Chermock, 1929)

Range.– I-VI (e. N.Am.: Que.-FL/Man.-TX; Mex.)

Dates.– Jan-Jul, Sep, Nov

Hosts.– *Acer* sp. (Aceraceae)  
*Castanea dentata* (Fagaceae)  
*Fagus grandifolia* (Fagaceae)

- Platanus occidentalis* (Platanaceae)  
*Populus* sp. (Salicaceae)  
*Quercus* sp. (Fagaceae)
- HETEROCAMPA** Doubleday, 1841  
*Cerita* Walker, 1855  
*Trichotis* C. Felder, 1868
- 7977 **astarte** Doubleday, 1841 (McD 3888) **43.6, 15**  
*picta* (C. Felder, 1868)  
*menas* (Doubleday, 1869)  
*chapmanii* Grote, 1881  
*perolivata* Packard, 1895  
Range.- I-VI (se. U.S.: SC-FL/[AR]-TX)  
Dates.- Jan-Sep  
Hosts.- *Quercus* sp. (Fagaceae)
- 7982 **varia** Walker, 1855 (McD 3890) **43.7, 16**  
*georgiana* (Dyar, 1921)  
*baryspus* (Dyar, 1921)  
Range.- I-IV (Atlantic/Gulf Coasts: NY-FL-TX)  
Dates.- Jan-Aug, Nov  
Hosts.- *Quercus* sp. (Fagaceae)
- 7983 **obliqua** Packard, 1864 (McD 3891)  
*trouvelotii* Packard, 1864  
*brunnea* Grote & Robinson, 1867  
Range.- I-IV (e. N.Am.: N.S.-FL/MO-TX)  
Dates.- Feb-Mar, May-Aug, Dec  
Hosts.- *Quercus* sp., *Q. macrocarpa* (Fagaceae)
- 7984 **cubana** Grote, 1866 (McD 3893) T **41.2**  
Range.- IV-VIII (FL; Cuba)  
Dates.- Jan-May, Jul, Sep-Dec  
Hosts.- Unknown
- 7985 **subrotata** Harvey, 1874 (McD 3899)  
*superba* H. Edwards, 1885  
Range.- I-IV (e. N.Am.: NY-FL/MO-TX)  
Dates.- Mar-Sep  
Hosts.- *Acer* sp. (Aceraceae)  
*Betula* sp. (Betulaceae)  
*Carya* sp. (Juglandaceae)  
*Celtis* sp., *C. mississippiensis* (Ulmaceae)  
*Cornus* sp. (Cornaceae)  
*Hamamelis* sp. (Hamamelidaceae)
- 7990 **umbrata** Walker, 1855 (McD 3902) **41.4-5**  
*athereo* (Doubleday, 1869)  
Range.- I-VI (e. N.Am.: N.S.-FL/Man.-TX)  
Dates.- Jan-Dec  
Hosts.- *Acer* sp. (Aceraceae)  
*Betula* sp. (Betulaceae)  
*Carpinus caroliniana* (Betulaceae)  
*Juglans nigra* (Juglandaceae)  
*Quercus* sp., *Q. alba*, *Q. coccinea*, *Q. velutina* (Fagaceae)
- 7994 **guttivitta** (Walker, 1855) (McD 3907)  
*albiplaga* (Walker, 1856)  
*mucorea* (Herrich-Schäffer, 1856)  
*harrisii* (Packard, 1864)  
*cinereus* (Packard, 1864)  
*indeterminata* (Walker, 1865)  
*doubledayi* Scudder, 1869  
*f. hugoi* Cermock & Chermock, 1940  
Saddled prominent  
Range.- I-VI (e. N.Am.: N.B.-FL/Man.-TX)  
Dates.- Feb-Apr, Jun-Oct  
Hosts.- *Acer* sp., *A. rubrum*, *A. saccharophorum*, *A. spicatum* (Aceraceae)  
*Betula* sp. (Betulaceae)
- Carya* sp. (Juglandaceae)  
*Castanea dentata* (Fagaceae)  
*Cornus florida* (Cornaceae)  
*Corylus* sp. (Betulaceae)  
*Fagus* sp. (Fagaceae)  
*Hamamelis virginiana* (Hamamelidaceae)  
*Juglans* sp. (Juglandaceae)  
*Litchi chinensis* (Sapindaceae)  
*Malus pumila* (Rosaceae)  
*Ostrya virginiana* (Betulaceae)  
*Populus* sp. (Salicaceae)  
*Prunus* sp., *P. cerasus*, *P. serotina* (Rosaceae)  
*Pyrus* sp., *P. communis* (Rosaceae)  
*Quercus* sp., *Q. nigra* (Fagaceae)  
*Rubus allegheniensis* (Rosaceae)  
*Spiraea* sp. (Rosaceae)  
*Ulmus* sp. (Ulmaceae)  
*Viburnum* sp. (Caprifoliaceae)
- 7995 **biundata** Walker, 1855 (McD 3906) **41.6-7**  
*semitplaga* Walker, 1861  
*olivata* (Packard, 1864)  
*viridescens* (Walker, 1865)  
*mollis* Walker, 1865  
Range.- I-V (e. N.Am.: N.S.-FL/WI-TX)  
Dates.- Jan-May, Jul-Dec  
Hosts.- *Acer* sp., *A. rubrum*, *A. saccharophorum* (Aceraceae)  
*Betula* sp., *B. allegheniensis*, *B. papyrifera* (Betulaceae)  
*Carya* sp. (Juglandaceae)  
*Cornus florida* (Cornaceae)  
*Fagus* sp. (Fagaceae)  
*Hamamelis virginiana* (Hamamelidaceae)  
*Prunus* sp., *P. cerasus*, *P. pensylvanica*, *P. serotina* (Rosaceae)  
*Salix* sp. (Salicaceae)
- 7997 **zayasi** (Torre & Alayo, 1959) (McD 3909.1) T  
*pallida*.- (Kimball, 1965) (not Schaus, 1904)  
Range.- VI-VIII (Florida; Cuba)  
Dates.- Jan, Mar-May, Sep-Dec  
Hosts.- Unknown
- LOCHMAEUS** Doubleday, 1841  
*Tadana* Walker, 1855
- 7998 **manteo** Doubleday, 1841 (McD 3905) **41.8**  
*cinerascens* (Walker, 1855)  
*subalbicans* (Grote, 1864)  
Variable oakleaf caterpillar  
Range.- I-IV (e. N.Am.: N.S.-FL/MN-TX)  
Dates.- Mar, May-Oct  
Hosts.- *Betula* sp., *B. lenta*, *B. papyrifera* (Betulaceae)  
*Brassaia actinophylla* (Araliaceae)  
*Crataegus* sp. (Rosaceae)  
*Diospyros virginiana* (Ebenaceae)  
*Fagus* sp. (Fagaceae)  
*Juglans nigra*, *J. regia* (Juglandaceae)  
*Malus pumila* (Rosaceae)  
*Pinckneya pubens* (Rubiaceae)  
*Quercus* sp., *Q. alba*, *Q. imbricaria*, *Q. laurifolia*, *Q. macrocarpa*, *Q. nigra*, *Q. stellata* (Fagaceae)  
*Tilia* sp. (Tiliaceae)  
*Ulmus* sp. (Ulmaceae)



7999 **bilineata** (Packard, 1864) (McD 3908)  
*turbida* (Walker, 1865)  
*associata* (Walker, 1865)  
*ulmi* (Harris, 1869)  
*f. boweri* (Chermock & Chermock, 1940)

a) **exsanguis** (Dyar, 1906) **41.9**

*exsanguinis* Kimball, 1965, missp.  
 Range.- I-IV (e. N.Am.: Que.-FL/Sask.-CO-TX) [se. subsp.]

Dates.- Feb-Oct  
 Hosts.- *Betula* sp. (Betulaceae)  
*Fagus* sp. (Fagaceae)  
*Quercus* sp. (Fagaceae)  
*Tilia* sp., *T. americana* (Tiliaceae)  
*Ulmus* sp. (Ulmaceae)

# **SCHIZURA** Doubleday, 1841

*Dicentria* Herrich-Schäffer, 1856  
*Oedemasia* Packard, 1864  
*Coelodasys* Packard, 1864

8005 **ipomoeae** Doubleday, 1841 (McD 3920) **41.12**

*ipomoeae* Doubleday, 1841, missp.  
*biguttatus* (Packard, 1864)  
*f. cinereofrons* (Packard, 1864)  
*confusa* (Walker, 1865)  
*ducens* (Walker, 1865)  
*corticea* (Walker, 1865)  
*compta* (Walker, 1865)  
*nigrosignata* (Walker, 1865)  
*usipennis* (Walker, 1865)  
*f. telifer* (Grote, 1880)

False unicorn caterpillar  
 Range.- I-VI (e. N.Am.: N.S.-FL/Man.-TX)

Dates.- Jan-Nov  
 Hosts.- *Acer* sp., *A. rubrum* (Aceraceae)  
*Amelanchier florida* (Rosaceae)  
*Betula* sp. (Betulaceae)  
*Ceanothus* sp. (Rhamnaceae)  
*Celtis occidentalis* (Ulmaceae)  
*Cercis canadensis* (Leguminosae)  
*Chrysobalanus* sp. (Palmae)  
*Convolvulus* sp. (Convolvulaceae)  
*Eriobotrya japonica* (Rosaceae)  
*Fagus* sp. (Fagaceae)  
*Gleditsia triacanthos* (Leguminosae)  
*Hamamelis virginiana* (Hamamelidaceae)  
*Ilex crenata* (Aquifoliaceae)  
*Ipomoea coccinea* (Convolvulaceae)  
*Lagerstroemia indica* (Lythraceae)  
*Litchi chinensis* (Sapindaceae)  
*Malus* sp., *M. sylvestris* (Rosaceae)  
*Photinia glabra* (Rosaceae)  
*Populus nigra* var. *italica* (Salicaceae)  
*Prunus* sp. (Rosaceae)  
*Pyracantha* sp., *P. coccinea* (Rosaceae)  
*Quercus* sp., *Q. prinus* (Fagaceae)  
*Rhododendron* sp. (Ericaceae)  
*Rosa* sp. (Rosaceae)  
*Rubus* sp., *R. allegheniensis*, *R. idaeus* var. *strigosus* (Rosaceae)  
*Spiraea prunifolia* (Rosaceae)  
*Tilia americana* (Tiliaceae)  
*Ulmus* sp., *U. alata*, *U. parvifolia* (Ulmaceae)  
*Vaccinium* sp. (Ericaceae)

8006 **badia** (Packard, 1864) (McD 3923) **41.14**

*significata* (Walker, 1865)

Range.- I-IV (e. N.Am.: N.S.-FL/Man.-TX)

Dates.- Feb, May, Oct

Hosts.- *Viburnum* sp. (Caprifoliaceae)

8007 **unicornis** (J. E. Smith, 1797) (McD 3924) **41.15-16**

*edmandsi* (Packard, 1864)

*humilis* (Walker, 1865)

Unicorn caterpillar

Range.- I-VI (N.Am.: N.S.-FL/Man.-UT-TX)

Dates.- Jan-Jun, Aug-Dec

Hosts.- *Acer* sp. (Aceraceae)

*Alnus* sp. (Betulaceae)

*Amelanchier florida* (Rosaceae)

*Betula* sp., *B. alba* (Betulaceae)

*Carya* sp. (Juglandaceae)

*Chimaphila umbellata* (Pyrolaceae)

*Chiococca alba* (Rubiaceae)

*Cornus florida* (Cornaceae)

*Corylus americana* (Betulaceae)

*Crataegus* sp., *C. oxyacantha* (Rosaceae)

*Diospyros lotus* (Ebenaceae)

*Gleditsia triacanthos* (Leguminosae)

*Ilex opaca*, *I. verticillata* (Aquifoliaceae)

*Malus diversifolia*, *M. pumila*, *M. sylvestris* (Rosaceae)

*Populus* sp. (Salicaceae)

*Prunus* sp., *P. americana*, *P. armeniaca*, *P. cerasus*,

*P. domestica*, *P. pseudocerasus*, *P. virginiana* (Rosaceae)

*Pyracantha coccinea* (Rosaceae)

*Pyrus* sp. (Rosaceae)

*Quercus* sp., *Q. alba*, *Q. shumardii* (Fagaceae)

*Robinia pseudoacacia* (Leguminosae)

*Rosa* sp. (Rosaceae)

*Rubus* sp., *R. allegheniensis*, *R. idaeus* var. *strigosus* (Rosaceae)

*Salix* sp., *S. hookeriana*, *S. scouleriana* (Salicaceae)

*Sambucus canadensis* (Caprifoliaceae)

*Sapindus saponaria* (Sapindaceae)

*Tilia* sp., *T. americana* (Tiliaceae)

*Ulmus* sp. (Ulmaceae)

*Vaccinium angustifolium*, *V. ashei* (Ericaceae)

8009 **apicalis** (Grote & Robinson, 1866) (McD 3926)

Range.- I-IV (e. N.Am.: Que.-FL/WI-TX)

Dates.- Jan-Jun

Hosts.- *Myrica cerifera* (Myricaceae)

*Populus* sp. (Salicaceae)

*Salix* sp. (Salicaceae)

*Vaccinium* sp. (Ericaceae)

8010 **concinna** (J. E. Smith, 1797) (McD 3921)

*nitida* (Packard, 1864)

Red-humped caterpillar

Range.- I-VI (e. N.Am.: N.S.-FL/Man.-TX)

Dates.- Apr-Oct, Dec

Hosts.- *Acer* sp., *A. rubrum* (Aceraceae)

*Betula* sp., *B. alba*, *B. papyrifera* (Betulaceae)

*Brassaia arboricola* (Araliaceae)

*Camellia sasanqua* (Theaceae)

*Carya* sp., *C. glabra*, *C. illinoensis*, *C. ovalis*, *C.*

*tomentosa* (Juglandaceae)

*Cercis canadensis* (Leguminosae)

*Cornus florida* (Cornaceae)

- Crataegus* sp., *C. oxyacantha* (Rosaceae)  
*Diospyros kaki*, *D. virginiana* (Ebenaceae)  
*Eupatorium capillifolium* (Compositae)  
*Halesia carolina* (Styracaceae)  
*Juglans* sp., *J. cinerea*, *J. nigra*, *J. regia* (Juglandaceae)  
*Lagerstroemia* sp. (Lythraceae)  
*Liquidambar styraciflua* (Hamamelidaceae)  
*Lupinus* sp. (Leguminosae)  
*Malus pumila*, *M. sylvestris* (Rosaceae)  
*Myrica cerifera*, *M. pensylvanica* (Myricaceae)  
*Persea americana*  
*Populus* sp., *P. fremonti*, *P. tremuloides* (Salicaceae)  
*Prunus* sp., *P. americana*, *P. armeniaca*, *P. cerasus*, *P. domestica*, *P. serotina* (Rosaceae)  
*Pyracantha* sp. (Rosaceae)  
*Pyrus communis* (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Robinia pseudoacacia* (Leguminosae)  
*Rosa* sp., *R. canina*, *R. odorata* (Rosaceae)  
*Rubus* sp., *R. allegheniensis*, *R. idaeus* var. *strigosus* (Rosaceae)  
*Salix* sp., *S. alba*, *S. babylonica*, *S. discolor*, *S. lucida* (Salicaceae)  
*Ulmus* sp. (Ulmaceae)  
*Vaccinium* sp. (Ericaceae)  
*Virburnum* sp., *V. lentago* (Caprifoliaceae)  
*Wisteria sinensis* (Leguminosae)
- 8011 **leptinoides** (Grote, 1864) (McD 3827) **41.17**  
*mustelina* (Packard, 1864)  
Range.- I-VIII (e. N.Am.: Que.-FL/Man.-TX)  
Dates.- Jan-Jul, Nov  
Hosts.- *Carpinus caroliniana* (Betulaceae)  
*Carya* sp., *C. illinoensis* (Juglandaceae)  
*Castanea dentata* (Fagaceae)  
*Fagus* sp. (Fagaceae)  
*Helianthus angustifolius* (Compositae)  
*Juglans* sp., *J. cinerea*, *J. nigra* (Juglandaceae)  
*Malus pumila* (Rosaceae)  
*Nyssa sylvatica*  
*Ostrya virginiana* (Betulaceae)  
*Populus* sp. (Salicaceae)  
*Prunus serotina* (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Rosa* sp. (Rosaceae)  
*Salix* sp. (Salicaceae)
- OLIGOCENTRIA** Herrich-Schäffer, 1856  
*Ianassa* Walker, 1855, preocc. (Muenster, 1839)  
*Xylinoidea* Packard, 1864  
*Hatima* Walker, 1865  
*Phya* Druce, 1887  
*Dicentria*.- auct. (not Herrich-Schäffer, 1856)
- 8012 **semirufescens** (Walker, 1865) (McD 3919) **44.21**  
*eximia* (Grote, 1881)  
Range.- I-VI (e. N.Am.: N.S.-FL/B.C.-TX)  
Dates.- May-Oct  
Hosts.- *Acer* sp., *A. macrophyllum* (Aceraceae)  
*Alnus rubra* (Betulaceae)  
*Amelanchier florida* (Rosaceae)  
*Betula papyrifera* (Betulaceae)  
*Cercis canadensis* (Leguminosae)  
*Crataegus oxyacantha* (Rosaceae)
- Fagus* sp., *F. grandifolia* (Fagaceae)  
*Malus pumila* (Rosaceae)  
*Populus* sp., *P. nigra* var. *italica* (Salicaceae)  
*Rosa* sp. (Rosaceae)  
*Salix* sp., *S. hookeriana*, *S. scouleriana* (Salicaceae)  
*Ulmus* sp. (Ulmaceae)
- 8017 **lignicolor** (Walker, 1855) (McD 3912) **41.13**  
*virgata* (Packard, 1864)  
*lignigera* (Walker, 1865)  
Range.- I-IV (e. N.Am.: Que.-FL/MN-TX)  
Dates.- Feb-Dec  
Hosts.- *Betula* sp., *B. alba*, *B. papyrifera* (Betulaceae)  
*Fagus* sp. (Fagaceae)  
*Quercus* sp., *Q. alba* (Fagaceae)
- HYPARPAX** Hübner, [1825]  
*Sangata* Walker, 1860
- 8022 **aurora** (J. E. Smith, 1797) (McD 3865)  
*rosea* (Walker, 1860)  
*venusta* (Walker, 1865)  
Range.- I (e. N.Am.: N.S.-FL/MN-TX)  
Dates.- Apr-May, Aug-Sep  
Hosts.- *Quercus* sp. (Fagaceae)  
*Virburnum* sp., *V. acerifolium*, *V. dentatum*, *V. lentago* (Caprifoliaceae)
- 8026 **perophoroides** (Strecker, 1876) (McD 3866) **42.34**  
*tyria* Slosson, 1894  
Range.- I-VI (se. U.S.: GA-FL/AL)  
Dates.- Jan-Dec  
Hosts.- Unknown
- [ARCTIIDAE: see after Lymantriidae, p. 413]
- ## LYMANTRIIDAE
- ### LYMANTRIINAE
- #### ORGYINI
- DASYCHIRA** Hübner, [1809]  
*Parorgyia* Packard, 1864
- 8292 **tephra** Hübner, [1809] (McD 3955, part)  
Range.- I-VI (se. U.S.: MD-FL/MO-TX)  
Dates.- Feb-Dec  
Hosts.- *Prunus* sp. (Rosaceae)  
*Quercus* sp., *Q. alba*, *Q. laurifolia*, *Q. nigra* (Fagaceae)
- 8296 **basiflava** (Packard, 1864) (McD 3952)  
*clintoni* (Grote & Robinson, 1866)  
Range.- I-IV (e. U.S.: Ont.-FL/IA-AR)  
Dates.- Feb, Apr-Jul  
Hosts.- *Liquidambar styraciflua* (Hamamelidaceae)  
*Quercus* sp. (Fagaceae)  
*Salix* sp. (Salicaceae)
- 8297 **matheri** Ferguson, 1978  
Range.- I (Gulf Coast: [GA]/FL-LA?)  
Dates.- Jun  
Hosts.- Unknown
- 8298 **meridionalis** (Barnes & McDunnough, 1913) (McD 3952, part/3953) **34.1**  
*memorata* Ferguson, 1978, new stat.  
a) **meridionalis** (Barnes & McDunnough, 1913)

- Range.- I-VI (se. U.S.: NC-FL/AR-TX)  
 Dates.- Jan-Jul, Sep, Nov-Dec  
 Hosts.- *Quercus* sp., *Q. virginiana* (Fagaceae)  
 8299 **atrivenosa** (Palm, 1873) (McD 3957)  
 Range.- I-II (se. U.S.: NC-FL/AR-TX)  
 Dates.- Apr-Sep  
 Hosts.- *Liquidambar styraciflua* (Hamamelidaceae)  
 8301 **leucophaea** (J. E. Smith, 1797) (McD 3956) **34.2**  
 Range.- I-VI (Atlantic/Gulf Coasts: NJ-FL-TX)  
 Dates.- Jan-Jul, Oct-Dec  
 Hosts.- *Betula* sp. (Betulaceae)  
           *Carya* sp. (Juglandaceae)  
           *Diospyros virginiana* (Ebenaceae)  
           *Malus pumila* (Rosaceae)  
           *Quercus* sp., *Q. coccinea*, *Q. virginiana* (Fagaceae)  
 8302 **obliquata** (Grote & Robinson, 1866) (McD 3958, part)  
           *parallela* (Grote & Robinson, 1866)  
           *lemmeri* (Barnes & Benjamin, 1927)  
 Range.- I-III (e. U.S.: Que.-FL/MN-[TX])  
 Dates.- Jun-Aug, Oct  
 Hosts.- *Betula* sp.  
           *Carya* sp. (Juglandaceae)  
           *Fagus* sp. (Fagaceae)  
           *Prunus* sp. (Rosaceae)  
           *Quercus* sp. (Fagaceae)  
           *Ulmus* sp. (Ulmaceae)  
 8303 **dominickaria** Ferguson, 1978  
 Range.- I-III (se. U.S.: SC-FL/AL-TX)  
 Dates.- Apr-May, Jul, Sep  
 Hosts.- *Taxodium distichum* (Taxodiaceae)  
 8307 **manto** (Strecker, 1900) (McD 3960)  
 Range.- I-VI (se. U.S.: MD-FL/KY-TX)  
 Dates.- Jan-May, Jul, Oct-Dec  
 Hosts.- *Abies fraseri* (Pinaceae)  
           *Picea mariana* (Pinaceae)  
           *Pinus* sp. (Pinaceae)

**ORGYIA** Ochsenheimer, 1810

- Notolophus* Germar, 1812  
*Trichiosoma* Lucas, 1849  
*Acyphas* Walker, 1855  
*Teia* Walker, 1855  
*Clethrogyna* Rambur, 1866  
*Micropterogyna* Rambur, 1866  
*Thylacigyna* Rambur, 1866  
*Apterogynis* Guenée, 1875  
*Hemerocampa* Dyar, 1897  
*Orygia* Knudson & Bordelon, 1999, missp.  
 8313 **detrita** Guérin-Ménéville, 1831 (McD 3949)  
           *inornata* Beutenmüller, 1890  
           *kendalli* Riotte, 1972  
 Range.- I-VI (e. U.S.: NY-FL/[AR]-TX)  
 Dates.- Mar-Aug, Oct-Dec  
 Hosts.- *Cupressus* sp. (Cupressaceae)  
           *Quercus* sp., *Q. virginiana* (Fagaceae)  
 8314 **definita** Packard, 1864 (McD 3950, part)  
           *plagiata*.- auct., misid. (not Walker, 1855)  
 Range.- I-II (e. N.Am.: Que.-FL/[IL]-TX)  
 Dates.- May-Jun, Aug-Nov  
 Hosts.- *Salix* sp. (Salicaceae)  
 Note: other hostplants are also likely, but the records are confused with other species of *Orygia* and only *Salix* is confirmed so far for *O. definitiva*.]

- 8316 **leucostigma** (J. E. Smith, 1797) (McD 3948/3950)  
           *leucographa* (Geyer, 1832)  
           *plagiata* (Walker, 1855)  
           var. *intermedia* Fitch, 1856  
           var. *borealis* Fitch, 1856  
           var. *obliviosa* H. Edwards, 1886  
           *oslari* Barnes, 1900  
           *libera* Strecker, 1900  
           *olivacea* Bryk, 1934, missp.  
           *wardi* Riotte, 1971  
           *meridionalis* Riotte, 1974 (not Barnes & McDunnough, 1913)  
 White-marked tussock moth  
 Range.- I-V (e. N.Am.: Newfd.-FL/Man.-CO-TX)  
 Dates.- Jan, Mar-Jun, Aug-Dec  
 Hosts.- *Abies* sp. (Pinaceae)  
           *Acer* sp., *A. negundo*, *A. platanoides*, *A. rubrum*, *A. saccharinum*, *A. saccharophorum* (Aceraceae)  
           *Aesculus glabra*, *A. hippocastanum*, *A. octandra* (Hippocastanaceae)  
           *Ailanthus altissima* (Simaroubaceae)  
           *Alnus* sp. (Betulaceae)  
           *Amelanchier canadensis* (Rosaceae)  
           *Asimina triloba* (Annonaceae)  
           *Berberis canadensis*, *B. vulgaris* (Berberidaceae)  
           *Betula alba*, *B. lenta*, *B. nigra* (Betulaceae)  
           *Buxus sempervirens* (Buxaceae)  
           *Callistemon* sp. (Myrtaceae)  
           *Camellia* sp., *C. japonica*, *C. sasanqua* (Theaceae)  
           *Campsis radicans* (Bignoniaceae)  
           *Carpinus caroliniana* (Betulaceae)  
           *Carya* sp. (Juglandaceae)  
           *Castanea dentata*, *C. pumila* (Fagaceae)  
           *Catalpa* sp., *C. bignonioides*, *C. speciosa* (Bignoniaceae)  
           *Celtis laevigata*, *C. occidentalis* (Ulmaceae)  
           *Cephalanthus occidentalis* (Nauclaceae)  
           *Cercis canadensis* (Leguminosae)  
           *Chamaecyparis thyoides* (Cupressaceae)  
           *Chenopodium album* (Chenopodiaceae)  
           *Chionanthus virginicus* (Oleaceae)  
           *Chrysalidocarpus lutescens* (Palmae)  
           *Clematis* sp. (Ranunculaceae)  
           *Convallaria majalis* (Liliaceae)  
           *Cornus alternifolia*, *C. florida* (Cornaceae)  
           *Corylus* sp., *C. americana* (Betulaceae)  
           *Cotinus coggyria* (Anacardiaceae)  
           *Crataegus* sp. (Rosaceae)  
           *Cupressus* sp. (Cupressaceae)  
           *Cydonia oblonga* (Rosaceae)  
           *Diospyros kaki*, *D. virginiana* (Ebenaceae)  
           *Eriobotrya japonica* (Rosaceae)  
           *Euonymus atropurpureus* (Celastraceae)  
           *Fagus* sp., *F. grandifolia* (Fagaceae)  
           *Ficus carica* (Moraceae)  
           *Fraxinus* sp., *F. americana*, *F. excelsior* (Oleaceae)  
           *Geranium maculatum* (Geraniaceae)  
           *Gleditsia triacanthos* (Leguminosae)  
           *Gordonia lasianthus* (Theaceae)  
           *Gossypium herbaceum* (Malvaceae)  
           *Gymnocladus dioica* (Leguminosae)

*Hamamelis virginiana* (Hamamelidaceae)  
*Hedera helix* (Araliaceae)  
*Helianthus* sp. (Compositae)  
*Hibiscus syriacus*, *H. trionum* (Malvaceae)  
*Humulus lupulus* (Cannabidaceae)  
*Ilex opaca* (Aquifoliaceae)  
*Illicium parviflorum* (Illiciaceae)  
*Ipomoea purpurea* (Convolvulaceae)  
*Iris* sp. (Iridaceae)  
*Jasminum* sp. (Oleaceae)  
*Juglans cinerea*, *J. nigra*, *J. regia* (Juglandaceae)  
*Juniperus virginiana* (Cupressaceae)  
*Kalmia* sp. (Ericaceae)  
*Larix decidua*, *L. laricina* (Pinaceae)  
*Leptochloa nealleyi* (Gramineae)  
*Ligustrum vulgare* (Oleaceae)  
*Liquidambar styraciflua* (Hamamelidaceae)  
*Liriodendron tulipifera* (Magnoliaceae)  
*Litchi chinensis* (Sapindaceae)  
*Lonicera* sp. (Caprifoliaceae)  
*Maclura pomifera* (Moraceae)  
*Magnolia* sp. (Magnoliaceae)  
*Malus pumila*, *M. sylvestris* (Rosaceae)  
*Malva* sp. (Malvaceae)  
*Morus* sp., *M. rubra* (Moraceae)  
*Myrica cerifera* (Myricaceae)  
*Nyssa sylvatica* (Nyssaceae)  
*Ostrya virginiana* (Betulaceae)  
*Oxydendrum arboreum* (Ericaceae)  
*Parthenocissus quinquefolia* (Vitaceae)  
*Paulownia tomentosa* (Scrophulariaceae)  
*Pelargonium hortorum* (Geraniaceae)  
*Persea borbonia* (Lauraceae)  
*Photinia* sp. (Rosaceae)  
*Picea* sp. (Pinaceae)  
*Pinus* sp. (Pinaceae)  
*Plantago* sp. (Plantaginaceae)  
*Platanus occidentalis* (Platanaceae)  
*Poa pratensis* (Gramineae)  
*Populus* sp., *P. alba*, *P. balsamifera*, *P. deltoides*,  
*P. fremonti*, *P. nigra* var. *italica*, *P. tremuloides* (Salicaceae)  
*Prunus americana*, *P. armeniaca*, *P. cerasus*, *P. domestica*, *P. ilicifolia*, *P. persica*, *P. virginiana* (Rosaceae)  
*Punica granatum* (Punicaceae)  
*Pyracantha* sp. (Rosaceae)  
*Pyrus communis* (Rosaceae)  
*Quercus* sp., *Q. alba*, *Q. coccinea*, *Q. phellos*, *Q. prinus*, *Q. rubra*, *Q. virginiana* (Fagaceae)  
*Rhamnus alnifolia* (Rhamnaceae)  
*Rhaphiolepis indica* (Rosaceae)  
*Rhododendron* sp. (Ericaceae)  
*Ribes* sp. (Saxifragaceae)  
*Ricinus communis* (Euphorbiaceae)  
*Robinia pseudo acacia* (Leguminosae)  
*Rosa* sp. (Rosaceae)  
*Rubus* sp. (Rosaceae)  
*Salix* sp., *S. babylonica*, *S. caroliniana*, *S. longipes*, *S. nigra* (Salicaceae)  
*Sambucus canadensis* (Caprifoliaceae)  
*Sassafras albidum* (Lauraceae)  
*Simmondsia chinensis* (Buxaceae)  
*Spiraea* sp. (Rosaceae)

*Staphylea trifolia* (Staphyleaceae)  
*Symphoricarpos albus* (Caprifoliaceae)  
*Syringa vulgaris* (Oleaceae)  
*Taraxacum officinale* (Compositae)  
*Taxus* sp. (Taxaceae)  
*Tilia* sp., *T. americana*, *T. europaea* (Tiliaceae)  
*Trema micrantha* (Ulmaceae)  
*Trifolium* sp. (Leguminosae)  
*Ulmus* sp., *U. americana*, *U. parvifolia*, *U. rubra* (Ulmaceae)  
*Urena lobata* (Malvaceae)  
*Vaccinium* sp. (Ericaceae)  
*Viburnum* sp. (Caprifoliaceae)  
*Wisteria frutescens*, *W. sinensis* (Leguminosae)  
*Zanthoxylum clava-herculis* (Rutaceae)  
*Zea mays* (Gramineae)

## LYMANTRIINI

### LYMANTRIA Hübner, [1819]

*Liparis Ochsenheimer*, 1810, preocc. (Scopoli, 1777)  
*Porthetria* Hübner, [1819]  
*Hypogymna* Billberg, 1820  
*Sericaria* Berthold, 1827  
*Psilura* Stephens, 1828  
*Erasta* Gistl, 1848  
*Morasa* Walker, 1855  
*Enome* Walker, 1855  
*Palasea* Wallengren, 1863  
*Pegella* Walker, 1866  
*Sarothropyga* Felder, 1874  
*Nagunda* Moore, 1879  
*Barhona* Moore, 1879  
*Pyramocera* Butler, 1880  
*Limantria* Vshivkova, 2002, missp.  
8318 **dispar** (Linnaeus, 1758) (McD 3965)  
*disparina* (Müller, 1802)  
*nigra* Selys-Longchamps, 1857  
*burdigalensis* (Mabille, 1876)  
*disparoides* (Gaschet, 1876)  
*erebus* (Thierry-Mieg, 1886)  
*semiobscura* (Thierry-Mieg, 1886)  
*mediofusca* Lambillion, 1898  
*major* (Fuchs 1899)  
*fasciata* Lambillion, 1907  
*fasciata*.– Rebel, 1909 (not Lambillion, 1907)  
*fraguarus* Ribbe, 1910  
*insignata* Schultz, 1910  
*angulifera* Schultz, 1910  
*unifascia* Schultz, 1910  
*submarginalis* Schultz, 1910  
*brunnea* Schultz, 1910  
*wladiwostockensis* Strand, 1911  
*destrigata* Kelemnsiewicz, 1912  
*suffusa* Schulze, 1912  
*unicolor* Lambillion, 1913  
*variegata* Lambillion, 1913  
*alba* Stauder, 1914  
*atra* Heinrich, 1916  
*lactea* (Manon, 1926)  
*dealbata* (Manon, 1926)  
*radiata* (Manon, 1926)

- asiatica* Wnukowsky, 1926  
*obsoleta* Wnukowsky, 1926  
*unicolor* Wnukowsky, 1926, preocc. (not Lambillion, 1913)  
*ochracea* Wnukowsky, 1926  
*spectrum* Klatt, 1928  
*praeterea* Kardakoff, 1928  
*examinata* Kardakoff, 1928  
*fasciata* Strand, 1934  
*andalusiaca* Reinig, 1938  
*mediterranea* Goldschmidt, 1940  
*bocharae* Goldschmidt, 1940  
*rara* Klatt, 1944  
*albofasciata* Schnaider, 1950  
*obscurata* Schnaider, 1950  
*fasciata* Schnaider, 1950, preocc. (not Lambillion, 1907)  
*marmorea* Schnaider, 1950  
*grisea* Schnaider, 1950  
*subbrunnea* Schnaider, 1950  
*albicans* Schnaider, 1950  
 Gypsy moth  
 Range.— I-III (e. N.Am. [introd.]: N.S.-FL/Ont.-OH; Europe)  
 Dates.— (stray) [not resident in Florida]  
 Hosts.— *Abies balsamea* (Pinaceae)  
*Acer* sp., *A. negundo*, *A. pensylvanicum*, *A. platanoides*, *A. rubrum*, *A. saccharinum*, *A. saccharophorum*, *A. spicatum* (Aceraceae)  
*Alnus serulata* (Betulaceae)  
*Amelanchier florida*, *A. melanocarpa* (Rosaceae)  
*Aralia nudicaulis* (Araliaceae)  
*Berberis vulgaris* (Berberidaceae)  
*Betula* sp., *B. allegheniensis*, *B. lenta*, *B. nigra*, *B. papyrifera*, *B. populifolia* (Betulaceae)  
*Carpinus caroliniana* (Betulaceae)  
*Carya* sp., *C. cordiformis*, *C. glabra*, *C. ovata*, *C. tomentosa* (Juglandaceae)  
*Castanea dentata* (Fagaceae)  
*Catalpa* sp. (Bignoniaceae)  
*Celtis occidentalis* (Ulmaceae)  
*Chamaecyparis thyoides* (Cupressaceae)  
*Clethra alnifolia* (Clethraceae)  
*Comptonia peregrina* (Myricaceae)  
*Cornus* sp., *C. florida*, *C. sericea* (Cornaceae)  
*Corylus americana*, *C. cornuta* (Betulaceae)  
*Crataegus* sp. (Rosaceae)  
*Diervilla lonicera* (Caprifoliaceae)  
*Diospyros virginiana* (Ebenaceae)  
*Fagus grandifolia* (Fagaceae)  
*Fraxinus americana*, *F. nigra*, *F. profunda*, *F. quadrangulata* (Oleaceae)  
*Gaylussacia frondosa* (Ericaceae)  
*Gleditsia triacanthos* (Leguminosae)  
*Gymnocladus dioica* (Leguminosae)  
*Hamamelis virginiana* (Hamamelidaceae)  
*Ilex glabra*, *I. laevigata*, *I. opaca* (Aquifoliaceae)  
*Iris versicolor* (Iridaceae)  
*Juglans cinerea*, *J. nigra* (Juglandaceae)  
*Juniperus communis*, *J. virginiana* (Cupressaceae)  
*Kalmia angustifolia*, *K. latifolia* (Ericaceae)  
*Larix decidua*, *L. laricina* (Pinaceae)  
*Leucothoe* sp. (Ericaceae)  
*Ligustrum* sp. (Oleaceae)  
*Lindera benzoin* (Lauraceae)  
*Liriodendron tulipifera* (Magnoliaceae)  
*Maclura pomifera* (Moraceae)  
*Malus pumila* (Rosaceae)  
*Morus alba*, *M. rubra* (Moraceae)  
*Myrica gale*, *M. pensylvanica* (Myricaceae)  
*Nyssa sylvatica* (Nyssaceae)  
*Ostrya virginiana* (Betulaceae)  
*Picea abies*, *P. glauca*, *P. mariana*, *P. pungens*, *P. rubens* (Pinaceae)  
*Pinus banksiana*, *P. flexilis*, *P. resinosa*, *P. rigida*, *P. strobus*, *P. sylvestris* (Pinaceae)  
*Platanus occidentalis* (Platanaceae)  
*Populus* sp., *P. alba*, *P. deltoides*, *P. gileadensis*, *P. grandidentata*, *P. nigra* var. *italica*, *P. tremuloides* (Salicaceae)  
*Prunus* sp., *P. avium*, *P. maritima*, *P. pensylvanica*, *P. persica* Linn, *P. serotina*, *P. virginiana* (Rosaceae)  
*Pyrus communis* Linn (Rosaceae)  
*Quercus* sp., *Q. alba*, *Q. bicolor*, *Q. coccinea*, *Q. ilicifolia*, *Q. imbricaria*, *Q. macrocarpa*, *Q. palustris*, *Q. prinoides*, *Q. prinus*, *Q. rubra*, *Q. stellata*, *Q. velutina* (Fagaceae)  
*Rhododendron calendulaceum*, *R. viscosum* (Ericaceae)  
*Rhus glabra*, *R. toxicodendron*, *R. typhina* (Anacardiaceae)  
*Ribes rubrum*, *R. sativum* (Saxifragaceae)  
*Robinia pseudo-acacia* (Leguminosae)  
*Rosa carolina*, *R. eglanteria* (Rosaceae)  
*Rubus allegheniensis*, *R. idaeus* var. *strigosus* (Rosaceae)  
*Rumex altissimus*, *R. crispus* (Polygonaceae)  
*Salix* sp., *S. alba*, *S. discolor*, *S. interior* (Salicaceae)  
*Sambucus canadensis* (Caprifoliaceae)  
*Sassafras albidum* (Lauraceae)  
*Smilax rotundifolia* (Smilacaceae)  
*Sorbus americana* (Rosaceae)  
*Spiraea tomentosa* (Rosaceae)  
*Symplocarpus foetidus* (Araceae)  
*Taxodium distichum* (Taxodiaceae)  
*Thuja occidentalis* (Cupressaceae)  
*Tilia americana*, *T. europaea* (Tiliaceae)  
*Tsuga canadensis* (Pinaceae)  
*Ulmus americana*, *U. procera* (Ulmaceae)  
*Vaccinium angustifolium*, *V. macrocarpon* (Ericaceae)  
*Virburnum acerifolium*, *V. cassinoides*, *V. lentago* (Caprifoliaceae)  
*Vitis vinifera* (Vitaceae)  
*Zea mays* (Gramineae)

**ARCTIIDAE**Group **PERICOPININA****PERICOPINAE****PERICOPINI****COMPOSIA** Hübner, [1820]*Cocastrea* Boisduval, 18708038 **fidelissima** Herrich-Schäffer, 1866 (McD 3816) T*olympia* (Butler, 1871)\* a) **vagrans** M. Bates, 1934*olympia*.– French, 1890 (not Butler, 1871)

Florida composia

Range.– III-VIII (FL; West Indies) [FL subsp.]

Dates.– Jan-Dec

Hosts.– ?*Canavalia* sp. (Leguminosae)*Cynanchum scoparium* (Asclepiadaceae)*Echites umbellata* (Apocynaceae)*Monstera deliciosa* (Araceae)*Prestonia mollis* (Apocynaceae)*Stephanotis* sp. (Asclepiadaceae)Group **ARCTIININA****LITHOSIINAE****LITHOSIINI****CRAMBIDIA** Packard, 18648044 **lithosiodes** Dyar, 1898 (McD 907)

Range.– I-VI (se. U.S.: NC-FL/KY-MS)

Dates.– Jan-Dec

Hosts.– lichens

8045 **pallida** Packard, 1864 (McD 906)

Range.– I-VI (e. N.Am.: N.S.-FL/Man.-TX)

Dates.– Jan-Dec

Hosts.– lichens

8046 **uniformis** Dyar, 1898 (McD 908)

Range.– I-IV (e. N.Am.: NJ-FL/KY-AL)

Dates.– Jun, Sep

Hosts.– lichens

8052 **pura** Barnes & McDunnough, 1913 (McD 912)

Range.– I-III (Atlantic/Gulf Coasts: NY-FL-TX)

Dates.– Mar-Jun, Sep

Hosts.– lichens

**CISTHENE** Walker, 1854*Illice* Walker, 1859*Pyralidia* C. Felder, 1868*Byssophaga* Stretch, 1872*Ozodania* Dyar, 1899*Cistene* Rings & Rings, 2001, missp.8061 **kentuckiensis** (Dyar, 1904) (McD 936)

Range.– I-III (e. U.S.: NJ-FL/KY-LA)

Dates.– Jul-Oct

Hosts.– lichens

8066 **tenuifascia** Harvey, 1875 (McD 934)*schwarziorum* (Dyar, 1899)*interrupta* (Draudt, 1918)

Range.– I-II (e. U.S.: NJ-FL/IL-TX/AZ)

Dates.– Mar-May, Jul, Sep-Nov

Hosts.– lichens

8067 **plumbea** Stretch, 1885 (McD 947)*injecta* (Dyar, 1904)*gamma* (Dyar, 1904)*flavicosta* (Draudt, 1918)

Range.– I-IV (e. U.S.: NY-FL/WI-CO-TX)

Dates.– Jan-Apr, Sep-Oct

Hosts.– lichens

\*8068 **striata** Ottolengui, 1898 (McD 942)*apicipicta* (Strand, 1922)

Range.– II-VIII (Florida)

Dates.– Jan-Dec

Hosts.– lichens

8071 **subjecta** Walker, 1854 (McD 943/944)*bellicula* (Dyar, 1921)

Range.– I-VI (e. U.S.: NJ-FL/KY-TX)

Dates.– Jan-Dec

Hosts.– lichens

8072 **packardii** (Grote, 1863) (McD 945)

Range.– I-IV (e. U.S.: NY-FL/MO-TX)

Dates.– Feb-Dec

Hosts.– lichens

**HYPOPREPIA** Hübner, [1827-31]8089 **miniata** (Kirby, 1837) (McD 958)*vittata* (Harris, 1841)a) **mississippiensis** Barnes & Benjamin, 1926

Range.– I-VI (e. N.Am.: N.S.-FL/Sask.-TX) [se. subsp.]

Dates.– Jan-Aug, Dec

Hosts.– lichens

8090 **fucosa** Hübner, [1827-31] (McD 959)

Range.– I-VIII (e. N.Am.: Ont.-FL/Man.-CO-TX)

Dates.– Jan-Dec

39.1-2 Hosts.– lichens, mosses

**CLEMENSIA** Packard, 1864*Uxia* Walker, 1866*Repa* Walker, 18668098 **albata** Packard, 1864 (McD 952)*albida* (Walker, 1866)*cana* (Walker, 1866)

Range.– I-IV (N.Am.: N.S.-FL/B.C.-CA; Mex.-Costa Rica)

Dates.– Jan-May, Aug, Oct, Dec

Hosts.– algae (*Protococcus viridis*, Protococcaceae)

[PAGARA Walker: moved to Phaegopterini, p. 419]

[8099 simplex Walker: see 8243.1, p. 419]

**NEOPLYNES** Hampson, 19008101 **eudora** (Dyar, 1894) (McD 920)

Range.– I-VIII (Gulf Coast: [GA]/FL-TX)

Dates.– Feb-Jul, Nov-Dec

Hosts.– Unknown

**AFRIDINI**

[Afridini are now placed in Sarrothripinae (Noctuidae)]

[AFRIDA Möschler: moved to Noctuidae (Afridini), p. 446]

[8102 ydatodes Dyar: see 8973.1, p. 446]

39.5

[COMACHARA Franclemont: moved to Noctuidae (Sarrothripinae), p. 446]

[8104 cadburyi Franclemont: see 8973.3, p. 446]

39.8

## ARCTIINAE

### CALLIMORPHINI

- UTETHEISA** Hübner, [1819]  
*Deiopeia* Curtis, 1827  
*Euchelia* Boisduval, 1828 (part)  
*Utethesia* Moore, 1859, missp.  
*Diopea* Burmeister, 1878, missp.  
*Uthesa* Fine, 2002, missp.
- 8105 **ornatrix** (Linnaeus, 1758) (McD 1100) T  
*stretchii* (Butler, 1877)  
*pura* (Butler, 1877)  
*daphoena* Dyar, 1914  
*butleri* Dyar, 1914  
Ornate moth  
Range.- III-VIII (Florida; TX-Argentina; West Indies)  
Dates.- Jan-Mar, May, Jul, Oct, Dec  
Hosts.- (Leguminosae)
- 8106 **bella** (Linnaeus, 1758) (McD 1099) T  
*venusta* (Dalman, 1823)  
*speciosa* (Walker, 1854)  
*hybrida* (Butler, 1877)  
*intermedia* (Butler, 1877)  
*terminalis* Neumoegen & Dyar, 1893  
*nova* J. B. Smith, 1910  
*grossbecki* Strand, 1919  
Bella moth  
Range.- I-VIII (e. N.Am.: N.S.-FL/MN-TX; Mex.-Argentina; West Indies)  
Dates.- Jan-Dec  
Hosts.- *Crotalaria* sp., *C. sagittalis* (Leguminosae)  
*Epilobium angustifolium* (Onagraceae)  
*Lespedeza* sp. (Leguminosae)  
*Lupinus* sp. (Leguminosae)  
*Myrica gale* (Myricaceae)  
*Prunus* sp. (Rosaceae)  
*Ulmus* sp. (Ulmaceae)
- HAPLOA** Hübner, [1820]  
*Callimorpha*.- auct. (not Latreille, 1809)  
*Hypercompa*.- Walker, 1855, not Stephens, 1828
- 8107 **clymene** (Brown, 1776) (McD 1101)  
*interruptomarginata* Palisot de Beauvois, 1821  
Range.- I-II (e. N.Am.: Que.-FL/KS-TX)  
Dates.- Jul-Aug  
Hosts.- *Eupatorium* sp., *E. rugosum* (Compositae)  
*Prunus persica* (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Salix* sp. (Salicaceae)
- 8108 **colona** (Hübner, [1800-03]) (McD 1102)  
*clymene* (Esper, 1794), preocc. (Brown, 1776)  
*carolina* (Harris, 1841)  
f. *fulvicosta* (Clemens, 1860)  
f. *conscita* (Walker, 1865)  
*lactata* (Smith, 1887)  
*duplicata* Neumoegen & Dyar, 1893  
*consita* Dyar, [1903], missp.  
Range.- I-II (Atlantic/Gulf Coasts: VA-FL/TX)  
Dates.- Apr-Jun  
Hosts.- *Fragaria chiloensis* (Rosaceae)  
*Fraxinus* sp. (Oleaceae)

*Malus pumila* (Rosaceae)  
*Prunus* sp., *P. persica* (Rosaceae)  
*Pyrus* sp. (Rosaceae)  
*Rubus allegheniensis* (Rosaceae)

### ARCTIINI

- HOLOMELINA** Herrich-Schäffer, 1856  
*Crocota*.- auct. (not Hübner, [1823])  
*Crocata* auct., missp.  
*Eubaphe*.- auct. (not Hübner, [1823])  
*Cothocida* Walker, 1865  
*Cytorus* Grote, 1866  
*Cathocida* Hampson, 1901, missp.
- 8114 **laeta** (Guérin-Ménéville, 1832) (McD 1016) **39.26**  
Range.- I-IV (e. N.Am.: N.S.-FL/Man.-TX)  
Dates.- Jan-Dec  
Hosts.- *Plantago* sp. (Plantaginaceae)  
*Taraxacum* sp. (Compositae)
- 38.45 8118 **opella** (Grote, 1863) (McD 1022)  
f. *flava* (Barnes & Benjamin, 1925)  
f. *obscura* (Stretch, 1885)  
f. *belmaria* (Ehrmann, 1895)  
*rubricosta* (Ehrmann, 1895)  
Range.- I-IV (e. N.Am.: Que.-FL/MN-TX)  
Dates.- Mar-May, Sep  
Hosts.- *Taraxacum* sp. (Compositae)
- 8121 **aurantiaca** (Hübner, [1827-31]) (McD 101) **38.42**  
*bimaculata* (Saunders, 1869)  
Range.- I-IV (N.Am.: N.S.-FL/NWT-TX; Mex.)  
Dates.- Feb-Apr, Jun-Oct  
Hosts.- (Gramineae)  
*Plantago* sp. (Plantaginaceae)
- 8122 **rubicundaria** (Hübner, [1827-31]) (McD 1019, part)  
*brevicornis* (Walker, 1854)  
*marginata* (Druce, 1885)  
*belfragei* (Stretch, 1885)  
*diminutiva* (Graef, 1887)  
*rosa* (French, 1890)  
Range.- I-VI (se. U.S.: FL-TX; Mex.)  
Dates.- Feb-Nov  
Hosts.- *Chenopodium album* (Chenopodiaceae)  
*Taraxacum officinale* (Compositae)  
*Zea mays* (Gramineae)
- 8124 **immaculata** (Reakirt, 1864) (McD 1023, part)  
Range.- I-IV (e. N.Am.: Ont.-FL/IL-MS)  
Dates.- Feb-Mar, Oct  
Hosts.- Unknown
- PYRRHARTIA** Packard, 1864  
*Isia*.- auct. (not Walker, 1856 [Ctenuchinae])
- 8129 **isabella** (J. E. Smith, 1797) (McD 1069) **38.38**  
*californica* Packard, 1864  
Banded woollybear  
Range.- I-VIII (N.Am.: N.S.-FL/B.C.-CA)  
Dates.- Jan-Oct, Dec  
Hosts.- *Acer saccharophyllum* (Aceraceae)  
*Agropyron repens* (Gramineae)  
*Arctium majus* (Compositae)  
*Aster* sp. (Compositae)  
*Atropa belladonna* (Solanaceae)  
*Beta vulgaris* (Chenopodiaceae)  
*Betula alba*, *B. papyrifera* (Betulaceae)  
*Clethra alnifolia* (Clethraceae)

- Dianthus caryophyllus* (Caryophyllaceae)  
*Fragaria chiloensis* (Rosaceae)  
*Helianthus annuus* (Compositae)  
*Martynia louisianica* (Martyniaceae)  
*Parthenocissus quinquefolia* (Vitaceae)  
*Pisum sativum* (Leguminosae)  
*Plantago major* (Plantaginaceae)  
*Polygonum persicaria* (Polygonaceae)  
*Prunus serotina* (Rosaceae)  
*Ribes aureum* (Saxifragaceae)  
*Ricinus communis* (Euphorbiaceae)  
*Rubus alleghensis*, *R. idaeus* var. *strigosus* (Rosaceae)  
*Sorbaria sorbifolia* (Rosaceae)  
*Syringa vulgaris* (Oleaceae)  
*Taraxacum officinale* (Compositae)  
*Trifolium* sp. (Leguminosae)  
*Tropaeolum majus* (Cruciferae)  
*Ulmus americana* (Ulmaceae)  
*Viburnum dentatum* (Caprifoliaceae)  
*Vitis lambrusca* (Vitaceae)  
*Zantedeschia aethiopia* (Araceae)  
*Zea mays* (Gramineae)
- SEIRARCTIA** Packard, 1864  
*Seiarctia* Stretch, 1872, missp.
- 8130 **echo** (J. E. Smith, 1797) (McD 1091) **40.1**  
*niobe* (Strecker, 1885)  
 Echo moth  
 Range.— I-VI (se. U.S.: GA-FL/MS-LA)  
 Dates.— Feb-Dec  
 Hosts.— *Croton* sp. (Euphorbiaceae)  
*Diospyros virginiana* (Ebenaceae)  
*Lactuca sativa* (Compositae)  
*Lupinus* sp. (Leguminosae)  
*Quercus laevis* (Fagaceae)  
*Sabal palmetto*, *S. texana* (Palmae)  
*Zamia integrifolia*, *Z. pumila*, *Z. umbrosa* (Zamiaceae)
- ESTIGMENE** Hübner, [1820]  
*Leucarctia* Packard, 1864
- 8131 **acrea** (Drury, 1773) (McD 1070) **38.39-41**  
*caprotina* (Drury, 1773)  
*menthastrina* (Martyn), unpubl.  
*acria* (Fabricius, 1793), missp.  
*acraea* auct., missp.  
*pseuderminea* (Harris, 1823)  
*californica* (Packard, 1864)  
*packardii* (Schaupp, 1882)  
*rickseckeri* (Behr, 1893)  
*klagesii* (Ehrmann, 1894)  
*echo* (Rothschild, 1910), part  
 Saltmarsh caterpillar  
 Range.— I-VIII (N.Am.: N.S.-FL/B.C.-CA; Cuba; Mex.-C. Am.)  
 Dates.— Jan-Jun, Aug, Oct-Dec  
 Hosts.— *Allium cepa* (Alliaceae)  
*Amaranthus spinosus* (Amaranthaceae)  
*Artemisia stelleriana* (Compositae)  
*Asparagus officinalis* (Liliaceae)  
*Averrhoa carambola* (Oxalidaceae)  
*Beta vulgaris* (Chenopodiaceae)  
*Brassica oleracea*, *B. oleracea* var. *botrytis* (Cruciferae)
- Canna* sp. (Cannaceae)  
*Cassia tora* (Leguminosae)  
*Citrullis vulgaris* (Cucurbitaceae)  
*Citrus aurantium*, *C. paradisi*, *C. sinensis* (Rutaceae)  
*Cucurbita okeechobeensis* (Cucurbitaceae)  
*Dahlia variabilis* (Compositae)  
*Eupatorium capillifolium* (Compositae)  
*Glycine max* (Leguminosae)  
*Gossypium herbaceum* (Malvaceae)  
*Helianthus* sp. (Compositae)  
*Hydrangea* sp. (Hydrangeaceae)  
*Lactuca sativa* (Compositae)  
*Malus pumila* (Rosaceae)  
*Melilotus* sp., *M. alba* (Leguminosae)  
*Nicotiana tabacum* (Solanaceae)  
*Parthenium argentatum* (Compositae)  
*Phaseolus vulgaris* (Leguminosae)  
*Physalis angulata* var. *linkiana* (Solanaceae)  
*Pisum sativum* (Leguminosae)  
*Plantago* sp. (Plantaginaceae)  
*Polygonum amphibium*, *P. punctatum* (Polygonaceae)  
*Prunus domestica* (Rosaceae)  
*Rumex* sp. (Polygonaceae)  
*Senecio* sp. (Compositae)  
*Solanum tuberosum* (Solanaceae)  
*Trifolium* sp., *T. repens* (Leguminosae)  
*Tropaeolum* sp. (Cruciferae)  
*Vaccinium* sp. (Ericaceae)  
*Vernonia noveboracensis* (Compositae)  
*Zea mays* (Gramineae)
- SPILOSOMA** Curtis, 1825  
*Rhagonis* Walker, 1862  
*Spilarctia* Butler, 1875  
*Elpis* Dyar, 1893
- 8134 **congrua** Walker, 1855 (McD 1073) **39.28**  
 Range.— I-IV (e. N.Am.: N.S.-FL/Sask.-TX)  
 Dates.— Feb-May, Aug, Dec  
 Hosts.— *Chenopodium* sp. (Chenopodiaceae)  
*Taraxacum* sp. (Compositae)
- 8136 **dubia** (Walker, 1855) (McD 1070a/1072)  
*prima* Slosson, 1889  
 Range.— I-II (N.Am.: N.S.-FL/Alb.-TX)  
 Dates.— Mar-Apr  
 Hosts.— *Plantago* sp. (Plantaginaceae)  
*Prunus serotina* (Rosaceae)
- 8137 **virginica** (Fabricius, 1798) (McD 1065) **39.27**  
*congrua* Walker, 1855, part  
 f. *fumosa* Strecker, 1900  
 Yellow bear  
 Range.— I-VIII (N.Am.: N.S.-FL/B.C.-TX; Mex.)  
 Dates.— Jan-Dec  
 Hosts.— *Acer saccharophorum* (Aceraceae)  
*Agaricus campestris*  
*Allium cepa* (Alliaceae)  
*Althaea rosea* (Malvaceae)  
*Amaranthus* sp. (Amaranthaceae)  
*Ambrosia* sp., *A. trifida* (Compositae)  
*Apium graveolens* var. *dulce* (Umbelliferae)  
*Arachis hypogaea* (Leguminosae)  
*Arctium lappa*, *A. majus* (Compositae)



*Asparagus officinalis* (Liliaceae)  
*Beta vulgaris* (Chenopodiaceae)  
*Betula* sp. (Betulaceae)  
*Bidens bipennata* (Compositae)  
*Brassica oleracea*, *B. oleracea* var. *botrytis*, *B. rapa* (Cruciferae)  
*Calendula officinalis* (Compositae)  
*Canna* sp. (Cannaceae)  
*Carya* sp. (Juglandaceae)  
*Chenopodium album* (Chenopodiaceae)  
*Chrysanthemum* sp. (Compositae)  
*Citrullus vulgaris* (Cucurbitaceae)  
*Coleus* sp. (Labiatae)  
*Convolvulus* sp. (Convolvulaceae)  
*Cucumis melo* (Cucurbitaceae)  
*Cucurbita maxima*, *C. pepo* (Cucurbitaceae)  
*Cytisus scoparius* (Leguminosae)  
*Dahlia variabilis* (Compositae)  
*Daucus carota* var. *sativus* (Umbelliferae)  
*Dyssodia papposa* (Compositae)  
*Eichhornia crassipes* (Pontederiaceae)  
*Fuchsia fulgens* (Onagraceae)  
*Geranium* sp. (Geraniaceae)  
*Gossypium herbaceum* (Malvaceae)  
 (Gramineae)  
*Helianthus* sp., *H. annuus* (Compositae)  
*Heterotheca subaxillaris* (Compositae)  
*Hyacinthus orientalis* (Liliaceae)  
*Ipomoea alba*, *I. batatas*, *I. purpurea* (Convolvulaceae)  
*Juglans* sp., *J. cinerea*, *J. nigra* (Juglandaceae)  
*Lavandula spica* (Labiatae)  
*Lilium* sp. (Liliaceae)  
*Martynia louisianica* (Martyniaceae)  
*Medicago sativa* (Leguminosae)  
*Nicotiana tabacum* (Solanaceae)  
*Oxalis* sp. (Oxalidaceae)  
*Parthenocissus quinquefolia*, *P. tricuspidata* (Vitaceae)  
*Pastinaca sativa* (Umbelliferae)  
*Pelargonium* sp. (Geraniaceae)  
*Peperomia* sp. (Piperaceae)  
*Petunia* sp. *P. axillaris* (Solanaceae)  
*Phaseolus* sp., *P. limensis*, *P. vulgaris* (Leguminosae)  
*Pinus* sp. (Pinaceae)  
*Pisum sativum* (Leguminosae)  
*Plantago* sp. (Plantaginaceae)  
*Polygonum* sp., *P. convolvulus*, *P. punctatum* (Polygonaceae)  
*Prunus cerasus*, *P. domestica*, *P. serotina* (Rosaceae)  
*Raphanus sativus* (Cruciferae)  
*Rhamnus* sp. (Rhamnaceae)  
*Rheum rhabarbarum* (Polygonaceae)  
*Rhus* sp. (Anacardiaceae)  
*Ribes* sp., *R. grossularia*, *R. lacustre*, *R. rubrum*, *R. sativum* (Saxifragaceae)  
*Ricinus communis* (Euphorbiaceae)  
*Rubus allegheniensis*, *R. idaeus* var. *strigosus* (Rosaceae)  
*Rumex* sp. (Polygonaceae)  
*Salix* sp. (Salicaceae)  
*Salsola iberica* (Chenopodiaceae)  
*Salvia* sp. (Labiatae)

*Sambucus callicarpa* (Caprifoliaceae)  
*Solanum melongena* var. *esculentum*, *S. rostratum*, *S. tuberosum* (Solanaceae)  
*Syringa vulgaris* (Oleaceae)  
*Taraxacum officinale* (Compositae)  
*Tragopogon porrifolius* (Compositae)  
*Trifolium* sp., *T. agrarium* (Leguminosae)  
*Tropaeolum majus* (Cruciferae)  
*Ulmus* sp. (Ulmaceae)  
*Verbena* sp. (Verbenaceae)  
*Verbesina* sp. (Compositae)  
*Viola* sp. (Violaceae)  
*Vitis* sp. (Vitaceae)  
*Zantedeschia aethiopica* (Araceae)  
*Zea mays* (Gramineae)

**HYPHANTRIA** Harris, 18418140 **cunea** (Drury, 1773) (McD 1074/1075) **39.29-30**

*liturata* (Goeze, 1781)  
*punctatissima* (J. E. Smith, 1797)  
*budea* (Hübner, [1823])  
*textor* (Harris, 1828)  
*mutans* (Walker, 1856)  
*punctata* Fitch, 1857  
*pallida* (Packard, 1864)  
*candida* (Walker, 1865)  
*suffusa* Strecker, 1900  
*brunnea* Strecker, 1900  
 Fall webworm  
 Range.— I-VIII (N.Am.: N.S.-FL/Alb.-NM-TX; [introd. to Europe & Japan])  
 Dates.— Jan-Dec  
 Hosts.— *Acer* sp., *A. negundo*, *A. rubrum*, *A. saccharinum*, *A. saccharophorum* (Aceraceae)  
*Aesculus glabra*, *A. hippocastanum*, *A. octandra* (Hippocastanaceae)  
*Ailanthus altissima* (Simaroubaceae)  
*Alnus* sp., *A. maritima* (Betulaceae)  
*Althaea rosea* (Malvaceae)  
*Amelanchier canadensis* (Rosaceae)  
*Asimina triloba* (Annonaceae)  
*Berberis canadensis* (Berberidaceae)  
*Betula* sp., *B. alba*, *B. nigra*, *B. papyrifera* (Betulaceae)  
*Buxus* sp., *B. sempervirens* (Buxaceae)  
*Campsis radicans* (Bignoniaceae)  
*Canna* sp. (Cannaceae)  
*Carpinus caroliniana* (Betulaceae)  
*Carya* sp., *C. glabra*, *C. illinoensis*, *C. laciniata* (Juglandaceae)  
*Castanea dentata*, *C. pumila* (Fagaceae)  
*Catalpa bignonioides*, *C. speciosa* (Bignoniaceae)  
*Celtis laevigata*, *C. occidentalis* (Ulmaceae)  
*Cephalanthus occidentalis* (Nauclaceae)  
*Cercis canadensis* (Leguminosae)  
*Chamaecyperis thyoides* (Cupressaceae)  
*Chenopodium album* (Chenopodiaceae)  
*Chionanthus virginicus* (Oleaceae)  
*Citrus aurantiifolia*, *C. lemon*, *C. paradisi*, *C. sinensis* (Rutaceae)  
*Clematis* sp. (Ranunculaceae)  
*Cornus* sp., *C. alternifolia*, *C. drummondii*, *C. florida* (Cornaceae)

*Corylus americana* (Betulaceae)  
*Cotinus coggygria* (Anacardiaceae)  
*Crataegus* sp. (Rosaceae)  
*Cupressus* sp. (Cupressaceae)  
*Cydonia oblonga* (Rosaceae)  
*Diospyros kaki*, *D. virginiana* (Ebenaceae)  
*Euonymus atropurpureus* (Celastraceae)  
*Fagus grandifolia* (Fagaceae)  
*Ficus carica* (Moraceae)  
*Fraxinus* sp., *F. americana*, *F. excelsior* (Oleaceae)  
*Geranium* sp. (Geraniaceae)  
*Gleditsia triacanthos* (Leguminosae)  
*Gossypium herbaceum* (Malvaceae)  
*Gymnocladus dioica* (Leguminosae)  
*Hamamelis virginiana* (Hamamelidaceae)  
*Helianthus* sp. (Compositae)  
*Hibiscus syriacus* (Malvaceae)  
*Ilex decidua*, *I. opaca* (Aquifoliaceae)  
*Jasminum* sp. (Oleaceae)  
*Juglans californica*, *J. nigra*, *J. regia* (Juglandaceae)  
*Juniperus virginiana* (Cupressaceae)  
*Kalmia* sp. (Ericaceae)  
*Larix decidua* (Pinaceae)  
*Ligustrum vulgare* (Oleaceae)  
*Liquidambar styraciflua* (Hamamelidaceae)  
*Liriodendron tulipifera* (Magnoliaceae)  
*Lonicera* sp. (Caprifoliaceae)  
*Maclura pomifera* (Moraceae)  
*Magnolia* sp. (Magnoliaceae)  
*Malus angustifolia*, *M. coronaria*, *M. diversifolia*,  
*M. pumila* (Rosaceae)  
*Morus* sp., *M. rubra* (Moraceae)  
*Nyssa sylvatica* (Nyssaceae)  
*Ostrya virginiana* (Betulaceae)  
*Oxydendrum arboreum* (Ericaceae)  
*Parthenium argentatum* (Compositae)  
*Parthenocissus quinquefolia* (Vitaceae)  
*Paulownia tomentosa* (Scrophulariaceae)  
*Pelargonium* sp. (Geraniaceae)  
*Pinus* sp. (Pinaceae)  
*Platanus occidentalis* (Platanaceae)  
*Populus* sp., *P. alba*, *P. balsamifera*, *P. deltoides*,  
*P. fremonti*, *P. nigra* var. *Italica*, *P. tremuloides* (Salicaceae)  
*Portulaca oleracea* (Portulacaceae)  
*Prunus* sp., *P. americana*, *P. avium*, *P. cerasus*, *P. domestica*,  
*P. ilicifolia*, *P. persica*, *P. serotina*, *P. communis* (Rosaceae)  
*Pyrus communis* (Rosaceae)  
*Quercus* sp., *Q. alba*, *Q. coccinea*, *Q. phellos*, *Q. prinus*,  
*Q. rubra* (Fagaceae)  
*Rhamnus alnifolia* (Rhamnaceae)  
*Rhododendron* sp. (Ericaceae)  
*Ribes lacustre*, *R. sativum* Syme (Saxifragaceae)  
*Ricinus communis* (Euphorbiaceae)  
*Robinia pseudo-acacia* (Leguminosae)  
*Rosa* sp. (Rosaceae)  
*Rubus allegheniensis*, *R. idaeus* var. *strigosus* (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Sambucus canadensis* (Caprifoliaceae)  
*Sassafras albidum* (Lauraceae)  
*Schinus terebinthifolius* (Anacardiaceae)  
*Spinacia oleracea* (Chenopodiaceae)

*Spiraea* sp. (Rosaceae)  
*Staphylea trifolia* (Staphyleaceae)  
*Symphoricarpos albus* (Caprifoliaceae)  
*Syringa* sp. (Oleaceae)  
*Taxus* sp. (Taxaceae)  
*Tilia* sp., *T. americana*, *T. europaea* (Tiliaceae)  
*Trifolium* sp. (Leguminosae)  
*Ulmus* sp., *U. americana*, *U. rubra* (Ulmaceae)  
*Virburnum* sp. (Caprifoliaceae)  
*Vitis vulpina* (Vitaceae)  
*Wisteria frutescens*, *W. sinensis* (Leguminosae)  
*Zanthoxylum americanum* (Rutaceae)  
*Zea mays* (Gramineae)

**EUERYTHRA** Harvey, 1876

*Enerythra* Kirby, 1892, missp.  
8141 **phasma** Harvey, 1876 (McD 1078) **38.44**  
Range.— I-III (se. U.S.: KY-FL/MO-TX)  
Dates.— Feb-Aug  
Hosts.— *Bumelia* sp. (Sapotaceae)  
8142 **trimaculata** J. B. Smith, 1887 (McD 1079)  
Range.— I (Gulf Coast: FL-TX)  
Dates.— Mar-Sep (stray?)  
Hosts.— Unknown

**HYPERCOMPE** Hübner, [1819]

*Ecpantheria* Hübner, [1819]  
*Hypercompa* Billberg, 1820, emend.  
*Catenina* Burmeister, 1883  
8146 **scribonia** (Stoll, 1790) (McD 1085) **40.3**  
*ocularia*.— auct. (not Fabricius, 1775)  
*deflorata*.— auct. (not Fabricius, 1775)  
*chryseis* (Olivier, 1790)  
*oculatissima* (J. E. Smith, 1797), emend. (not Fabricius, 1775)  
*cunegonda* Palisot de Beauvois, 1811, missp. (not Cramer, 1782)  
*confluens* Oberthür, 1881  
*denudata* Slosson, 1888  
Giant woollybear  
Range.— I-VIII (e. N.Am.: Ont.-FL/MI-TX; Mex.-S.Am.)  
Dates.— Jan-Dec  
Hosts.— *Bougainvillea* sp. (Nyctaginaceae)  
*Brassica oleracea* (Cruciferae)  
*Citrus* sp., *C. limon*, *C. sinensis*, *C. reticulata* (Rutaceae)  
*Euphorbia heterophylla* (Euphorbiaceae)  
*Helianthus* sp., *H. decapetalus* (Compositae)  
*Illicium parviflorum* (Illiciaceae)  
*Lonicera tatarica* (Caprifoliaceae)  
*Magnolia* sp. (Magnoliaceae)  
*Musa* sp. (Musaceae)  
*Persea americana* (Lauraceae)  
*Phytolacca americana* (Phytolaccaceae)  
*Plantago* sp., *P. lanceolata*, *P. rugellii* (Plantaginaceae)  
*Plumbago* sp. (Plumbaginaceae)  
*Pyrostegia venusta* (Bignoniaceae)  
*Ricinus communis* (Euphorbiaceae)  
*Robinia pseudo-acacia* (Leguminosae)  
*Salix* sp. (Salicaceae)  
*Tillandsia setacea* (Bromeliaceae)

- Viola* sp. (Violaceae)
- APANTESIS** Harris, 1841
- Orodemnias* Wallengren, 1886
- Mimarcia* Neumoegen & Dyar, 1894
- Arctia*.– auct. (not Schrank, 1802)
- Callarctia*.– auct. (not Packard, 1864)
- 8169 **phalerata** (Harris, 1841) (McD 1061) **39.23**
- incompleta* (Butler, 1881)
- rhoda* (Butler, 1881)
- incarnata* (Stretch, 1906)
- pulcherrima* (Stretch, 1906)
- naidella* Strand, 1919
- vittatula* Strand, 1919
- rhodana* Strand, 1919
- phaelerata* Knudson & Bordelon, 1999, mis-sp.
- Range.– I-VI (e. N.Am.: Que.-FL/SD-TX)
- Dates.– Jan-Jun, Aug, Oct-Nov
- Hosts.– *Plantago* sp. (Plantaginaceae)
- Spartina patens* (Gramineae)
- Taraxacum officinale* (Compositae)
- Trifolium* sp. (Leguminosae)
- Zea mays* (Gramineae)
- 8170 **vittata** (Fabricius, 1787) (McD 1059/1060)
- radians* Walker, 1855
- colorata* (Walker, 1865)
- floridana* Cassino, 1918
- ochracea* Cassino, 1918
- subterminalis* Strand, 1919
- Range.– I-VI (se. U.S.: MD-FL/AR-TX)
- Dates.– Jan-Nov
- Hosts.– lichens
- Taraxacum officinale* (Compositae)
- 8171 **naïs** (Drury, 1773) (McD 1058) **39.22**
- cuneata* Goeze, 1781
- defloriana* (Martyn), unpubl.
- decorata* (Saunders, 1863)
- ochreatea* (Butler, 1881)
- phaleratula* Strand, 1919
- Range.– I-VI (e. N.Am.: Que.-FL/SD-TX)
- Dates.– Jan, Apr-Nov
- Hosts.– *Artemisia absinthium* (Compositae)
- Fragaria chiloensis* (Rosaceae)
- (Gramineae)
- Plantago major* (Plantaginaceae)
- Polygonum* sp., *P. erectum*, *P. punctatum* (Polygonaceae)
- Rumex acetosella* (Polygonaceae)
- Taraxacum officinale* (Compositae)
- Trifolium* sp. (Leguminosae)
- Viola* sp. (Violaceae)
- GRAMMIA** Rambur, 1866
- 8191 **placentia** (J. E. Smith, 1797) (McD 1057) **38.36-37**
- flammea* (Neumoegen, 1881)
- Range.– I-VI (e. U.S.: NJ-FL/MN-TX)
- Dates.– Jan-Sep, Nov-Dec
- Hosts.– *Lupinus* sp. (Leguminosae)
- 8194 **phyllira** (Drury, 1773) (McD 1054) **38.35**
- b-ata* (Goeze, 1781)
- dodgei* (Butler, 1881)
- Range.– I-IV (e. U.S.: ME-FL/WI-TX)
- Dates.– Jan-Oct, Dec
- Hosts.– *Castanea pumila* (Fagaceae)
- Citrullus vulgaris* (Fagaceae)
- Lupinus* sp. (Leguminosae)
- Nicotiana tabacum* (Solanaceae)
- Zea mays* (Gramineae)
- 8196 **parthenice** (W. Kirby, 1837) (McD 1034/1035)
- virguncula*.– Saunders (not W. Kirby, 1837)
- saimdersoo* (Grote, 1864)
- f. *approximata* (Stretch, 1885)
- circa* (Stretch, 1906)
- a) **intermedia** (Stretch, 1873)
- f. *stretchii* (Grote, 1875)
- Range.– I (N.Am.: N.S.-FL/B.C.-TX) [s. subsp.]
- Dates.– Apr
- Hosts.– *Chenopodium album* (Chenopodiaceae)
- Plantago* sp. (Plantaginaceae)
- Taraxacum officinale* (Compositae)
- Vernonia noveboracensis* (Compositae)
- 8197 **virgo** (Linnaeus, 1758) (McD 1033)
- f. *citrinaria* (Neumoegen & Dyar, 1893)
- f. *simplex* (Stretch, 1906)
- Range.– I-II (e. N.Am.: Newfd.-FL/Man.-AZ)
- Dates.– Jan-Feb, Sep
- Hosts.– *Chenopodium* sp. (Chenopodiaceae)
- Lactuca sativa* (Compositae)
- Plantago* sp. (Plantaginaceae)
- Thermopsis rhombifolia* (Leguminosae)
- 8198 **doris** (Boisduval, 1869) (McD 1037) **39.19-20**
- f. *nerea* (Boisduval, 1869)
- Michabo* (Grote, 1875)
- Range.– I-VI (e. N.Am.: N.S.-FL/Man.-CO-TX)
- Dates.– Jan-May, Jul-Nov
- Hosts.– *Lactuca sativa* (Compositae)
- Taraxacum officinale* (Compositae)
- 8199 **arge** (Drury, 1773) (McD 1038) **39.21**
- dione* (Fabricius, 1775)
- incarnatorubra* (Goeze, 1781)
- f. *nervosa* (Neumoegen & Dyar, 1893)
- stringosa* (Stretch, 1906), preocc. (not Fabricius, 1793)
- Range.– I-IV (e. N.Am.: Que.-FL/MN-TX)
- Dates.– Mar, May-Nov
- Hosts.– *Chenopodium* sp. (Chenopodiaceae)
- Gossypium herbaceum* (Malvaceae)
- Oenothera biennis* (Onagraceae)
- Plantago* sp., *P. lanceolata* (Plantaginaceae)
- Polygonum* sp. (Polygonaceae)
- Rumex* sp. (Polygonaceae)
- Zea mays* (Gramineae)
- PHAEGOPTERINI**
- HALYSIDOTA** Hübner, [1819]
- Halisidota* auct., missp.
- Halesidota* auct., missp.
- 8202 **cinctipes** Grote, 1866 (McD 982) T
- Florida tussock moth
- Range.– II-VIII (FL; West Indies)
- Dates.– Jan-Jun, Sep-Dec
- Hosts.– *Coccoloba diversifolia*, *C. uvifera* (Polygonaceae)
- Hibiscus* sp. (Malvaceae)
- Trema micrantha* (Ulmaceae)
- 8203 **tessellaris** (J. E. Smith, 1797) (McD 984) **39.17**
- tessellata* (Guérin-Méneville, 1832), missp.
- antiphola* Walsh, 1864

- oslari* Rothschild, 1909  
*antipholella* Strand, 1919  
*tessellaroides* Strand, 1919  
 Banded tussock moth  
 Range.— I-V (e. N.Am.: Que.-FL/MN-TX-Mex.)  
 Dates.— Jan-Nov  
 Hosts.— *Acer negundo*, *A. pseudoplatanus*, *A. rubrum*, *A. saccharinum* (Aceraceae)  
*Amelanchier alnifolia*, *A. canadensis* (Rosaceae)  
*Betula alba*, *B. papyrifera* (Betulaceae)  
*Buxus* sp., *B. sempervirens* (Buxaceae)  
*Carpinus caroliniana* (Betulaceae)  
*Carya* sp., *C. ovalis*, *C. tomentosa* (Juglandaceae)  
*Castanea dentata* (Fagaceae)  
*Corylus* sp., *C. americana*, *C. cornuta* (Betulaceae)  
*Fagus grandifolia* (Fagaceae)  
*Fraxinus americana* (Oleaceae)  
*Hamamelis virginiana* (Hamamelidaceae)  
*Juglans cinerea*, *J. nigra* (Juglandaceae)  
*Liquidambar styraciflua* (Hamamelidaceae)  
*Liriodendron tulipifera* (Magnoliaceae)  
*Ostrya virginiana* (Betulaceae)  
*Parthenocissus quinquefolia*, *P. tricuspidata* (Vitaceae)  
*Platanus occidentalis* (Platanaceae)  
*Populus* sp. (Salicaceae)  
*Quercus alba*, *Q. coccinea*, *Q. macrocarpa*, *Q. palustris*, *Q. velutina* (Fagaceae)  
*Robinia hispida*, *R. pseudo-acacia*, *R. viscosa* (Leguminosae)  
*Rubus* var. *strigosus* (Rosaceae)  
*Tilia americana*, *T. europaea*, *T. heterophylla* (Tiliaceae)  
*Ulmus americana*, *U. rubra* (Ulmaceae)  
*Vaccinium angustifolium*, *V. corymbosum* (Ericaceae)  
*Zea mays* (Gramineae)  
 8204 **harrisii** Walsh, 1864 (McD 985)  
*tessellaris*.— Harris, 1841 (not J. E. Smith, 1797)  
 Sycamore tussock moth  
 Range.— I (e. U.S.: MA-FL/?IL-TX)  
 Dates.— (stray)  
 Hosts.— *Carum carvi* (Umbelliferae)  
*Carya* sp. (Juglandaceae)  
*Plantanus occidentalis* (Platanaceae)
- LEUCANOPSIS** Regos-Barros, 1956  
 8217 **longa** (Grote, 1880) (McD 987)  
 Range.— I-VIII (se. U.S.: NC-FL/MS-TX)  
 Dates.— Jan-Dec  
 Hosts.— marsh grass (Gramineae)
- CALIDOTA** Dyar, 1900  
 8224 **laqueata** (H. Edwards, 1886) (McD 969) T  
*strigosa*.— auct. (not Walker, 1855)  
 Range.— IV-VIII (FL; West Indies; Mex.-Argentina)  
 Dates.— Jan-Dec  
 Hosts.— *Guettarda elliptica* (Rubiaceae)
- PAREUCHAETES** Grote, 1866  
 8227 **insulata** (Walker, 1855) (McD 990) T  
*cadaverosa* Grote, 1866  
*affinis* Grote, 1866
- Range.— I-VIII (se. U.S.: FL-TX; West Indies; Mex.)  
 Dates.— Jan-Dec  
 Hosts.— *Ageratum* sp. (Compositae)  
*Hernandia sonora* (Hernandiaceae)
- CYCINIA** Hübner, [1818]  
*Tanada* Walker, 1856  
 8228 **inopinatus** (H. Edwards, 1882) (McD 992)  
*nivalis* (Stretch, 1906)  
 Range.— I-VI (e. U.S.: NJ-FL/SD-TX)  
 Dates.— Jan-Jun, Sep-Oct, Dec  
 Hosts.— *Asclepias* sp. (Asclepiadaceae)  
*Cissus* sp. (Vitaceae)  
 8229 **pudens** (H. Edwards, 1882) (McD 1002)  
 Range.— I (so. U.S.: FL-TX)  
 Dates.— Aug  
 Hosts.— Unknown  
 8230 **tenera** Hübner, [1818] (McD 991)  
*tenera* (Hübner, 1808), unavail (Op. 789)  
*antica* (Walker, 1856)  
*collaris* (Fitch, 1857)  
 Range.— I (e. N.Am.: N.S.-FL/SD-TX)  
 Dates.— Apr  
 Hosts.— *Apocynum androsaemifolium*, *A. cannabinum* (Apocynaceae)  
*Asclepias incarnata*, *A. syriaca* (Asclepiadaceae)
- EUCHAETES** Harris, 1841  
*Stenophaea* Hampson, 1901  
*Euchaetias* Lyman, 1902  
*Euchoetes* auct., missp.  
 8238 **egle** (Drury, 1773) (McD 1001)  
*cyclica* H. Edwards, 1884  
 Milkweed tussock moth  
 Range.— I-IV (e. N.Am.: N.S.-FL/MN-TX)  
 Dates.— Feb-Aug  
 Hosts.— *Asclepias* sp., *A. syriaca*, *A. tuberosa* (Asclepiadaceae)
- PAGARA** Walker, 1856  
*Comacla* Walker, 1865  
*Vanessodes* Grote & Robinson, 1870  
 8243.1 **simplex** Walker, 1856 (McD 918) **39.4**  
*murina* (Walker, 1865)  
*clarus* (Grote & Robinson, 1870)  
*texana* (French, 1889)  
 Range.— I-VIII (N.Am.: MD-FL/MO-TX/WA-CA)  
 Dates.— Jan-Dec  
 Hosts.— *Lactuca* sp. (Compositae)  
*Taraxacum officinale* (Compositae)
- PYGARTIA** Grote, 1871  
 8254 **spraguei** (Grote, 1875) (McD 1011)  
*conspicua* (Neumögen, 1890)  
 Range.— I (e. U.S.: IN-FL/WI-TX)  
 Dates.— Jul  
 Hosts.— *Euphorbia* sp. (Euphorbiaceae)  
 8255 **abdominalis** Grote, 1871 (McD 1007/1008) **39.25**  
*grossbecki* Davis, 1913  
 Range.— I-VI (Atlantic/Gulf Coasts: NJ-FL-TX)  
 Dates.— Feb, Apr-Jun, Aug-Sep  
 Hosts.— Unknown  
 8256 **eglenensis** (Clemens, 1860) (McD 1009/1010) **39.24**  
*vivida* (Grote, 1882)

Range.- I-II (Atlantic/Gulf Coasts: NJ-FL-TX)  
 Dates.- (stray)  
 Hosts.- *Asclepias* sp., *A. tuberosa* (Asclepiadaceae)

**EUPSEUDOSOMA** Grote, 1866

8257 **involutum** (Sepp, 1828-[48]) (McD 968) T **38.33**  
*niveum* (Herrich-Schäffer, 1855)  
*niveum* Grote, 1866, preocc. (not Herrich-Schäffer, 1855)  
*bicolor* (Rothschild, 1909), part

\* a) **floridum** Grote, 1882

*immaculata* (Graef, 1887)

Range.- III-VIII (FL; West Indies) [FL subsp.]

Dates.- Feb-Dec

Hosts.- *Eugenia myrtilloides* (Myrtaceae)

*Psidium guajava* (Myrtaceae)

**Group CTENUCHININA****CTENUCHINAE****DAHANA** Grote, 1875

8266 **atripennis** Grote, 1875 (McD 885)

Range.- I-IV (Gulf Coast: GA/FL-TX)

Dates.- Jan-Dec

Hosts.- *Tillandsia usneoides* (Bromeliaceae)

**CISSEPS** Franclemont, 1936

*Scepsis* Walker, 1854, preocc. (Walker, 1850)

8267 **fulvicollis** (Hübner, [1818]) (McD 871) **37.7**

*semidiaphana* (Harris, 1839)

Yellow-collared scape moth

Range.- I-VIII (N.Am.: Que.-FL/NWT-UT-TX)

Dates.- Jan-Dec

Hosts.- *Eleocharis* sp. (Gramineae)

*Festuca rubra* (Gramineae)

*Juncus roemerianus* (Juncaceae)

*Stenotaphrum secundatum* (Gramineae)

grass (Gramineae)

**LYMIRE** Walker, 1854

8270 **edwardsii** (Grote, 1881) (McD 870) T **38.31**  
 Edwards' wasp moth

Range.- I-VIII (FL; West Indies)

Dates.- Jan-Dec

Hosts.- ?*Annona glabra* (Annonaceae)

*Ficus* sp., *F. altissima*, *F. aurea*, *F. auriculata*, *F.*

*bengalensis*, *F. benjamina*, *F. cotinifolia*, *F.*

*elastica*, *F. lyrata*, *F. pandurata*, *F. perforata*,

*F. retusa* var. *nitida*, *F. rubiginosa*

(Moraceae)

?*Nectandra coriacea* (Lauraceae)

**NELPHE** Herrich-Schäffer, [1858]

*Eucereon*.- auct. (not Hübner, [1819])

8271 **carolina** H. Edwards, 1886 (McD 869) **37.13**

*confinis* (Druce, 1884), misid. (not Herrich-Schäffer, [1855])

*confine* (Hampson, 1898), part

*cubensis* (Schaus, 1904)

*confusum* (Rothschild, 1912)

Little Carol's wasp moth

Range.- III-VI (FL; TX; [Mex.])

Dates.- Jan-Sep, Nov

Hosts.- *Cynanchum palustre* (Asclepiadaceae)

*Sarcostemma clausum* (Asclepiadaceae)

**EMPYREUMA** Hübner, [1818]

*Empyrenma* Fine, 2002, missp.

8272 **affinis** Rothschild, 1912 (McD --)

*pugione*.- auct. (not Linnaeus, 1767, part)

*lichas*.- auct. (not Cramer, 1775, part)

Spotted oleander caterpillar

Range.- IV-VIII (FL; Bahamas-W.I.)

Dates.- Feb, Apr-Jul, Dec

Hosts.- *Nerium oleander* (Apocynaceae)

**COSMOSOMA** Hübner, [1823]

*Lagaria* Walker, 1854

*Erruca* Walker, 1854

*Ilipa* Walker, 1854, part

*Aristodaema* Wallengren, 1858

*Rezia* Kirby, 1892

8280 **myrodora** Dyar, 1907 (McD 861) T **38.43**

*auge*.- auct. (not Linnaeus)

*omphale*.- auct. (not Hübner)

Scarlet wasp moth

Range.- I-VIII (se. U.S.: GA-FL/AL-TX; Mex.; West Indies)

Dates.- Jan-Dec

Hosts.- *Mikania scandens* (Compositae)

**DIDASYS** Grote, 1875

\*8281 **belae** Grote, 1875 (McD 867)

**38.13**

Range.- II-VII (Florida)

Dates.- Jan-Feb, Apr-Aug, Oct-Dec

Hosts.- Unknown

**SYNTOMEIDA** Harris, 1839

*Hippola* Walker, 1854

*Syntomeida* Fine, 2002, missp.

\*8282 **ipomoeae** (Harris, 1839) (McD 863) **37.14**

*ferox* (Walker, 1854)

*euterpe* (Herrich-Schäffer, 1855)

Range.- I-VI (Florida)

Dates.- Jan-Oct

Hosts.- *Carduus* sp. (Compositae)

?*Citrus* sp. (Rutaceae)

*Ipomoea* sp. (Convolvulaceae)

8284 **epilais** (Walker, 1854) (McD 864) T

a) **jucundissima** Dyar, 1907 **37.15**

*jucundissima* Fine, 2002, missp.

Oleander caterpillar

Range.- I-VIII (se. U.S.: GA-FL/AL; West Indies)

Dates.- Jan-Dec

Hosts.- *Adenium obesum* (Apocynaceae)

*Bougainvillea* sp. (Nyctaginaceae)

*Carissa grandiflora* (Apocynaceae)

*Echites umbellata* (Apocynaceae)

*Mandevilla splendens* (Apocynaceae)

*Nerium oleander* (Apocynaceae)

**PSEUDOCHARIS** Druce, 1884

8286 **minima** (Grote, 1867) (McD 866) T **37.16**

Range.- IV-VIII (FL; West Indies)

Dates.- Jan-Dec

Hosts.- *Crossopetalum floridanum* (Celastraceae)

**HORAMA** Hübner, 1819

*Mastigocera* Harris, 1839  
*Phylloecia* Guérin-Méneville, 1844  
*Horamia* Walker, 1854, missp.  
*Callicarus* Grote, 1866  
*Callicorus* Kirby, 1892, missp.  
*Drucea* Kirby, 1892

- 8287 **panthallon** (Fabricius, 1793) T  
*pretus*.– Walker, 1856 (not Cramer, 1777)  
*tibialis* (Butler, 1876)  
*serena* Schaus, 1924  
*stoneri* Lindsey, 1926  
a) **texana** (Grote, 1866) (McD 868)  
*plumipes*.– Clemens, 1860 (not Drury, 1773)  
*pretus*.– Clemens, 1862 (not Cramer, 1777)  
Range.– IV-VIII (FL; TX; Mex.)  
Dates.– Nov (stray)  
Hosts.– Unknown

[LYMANTRIIDAE: see before Arctiidae, p. 409]

## NOCTUIDAE

### Group HERMINIININA

#### HERMINIINAE

- IDIA** Hübner, [1813]  
*Epizeuxis* Hübner, 1818  
*Camptylchia* Stephens, 1834  
*Helia* Duponchel, 1845, preocc. (Hübner, 1818)  
*Campylochila* Agassiz, 1846, emend.  
*Helia* Guenée, 1854, preocc. (Hübner, 1818)  
*Pseudaglossa* Grote, 1874  
*Zenomia* Dognin, 1914  
8322 **americalis** (Guenée, 1854) (McD 3734) **45.35**  
*pulverosa* (J. B. Smith, 1893)  
*scriptipennis* (Walker, 1858)  
Range.– I-IV (N.Am.: N.S.-FL/B.C.-CA)  
Dates.– Jan-Dec  
Hosts.– ?*Hedysarum* sp. (Leguminosae)  
lichens  
8323 **aemula** Hübner, [1813] (McD 3735) **45.36**  
*aemulalis* Hübner, [1821], emend.  
*undulalis* (Stephens, 1834)  
*mollifera* (Walker, 1858)  
*herminioides* (Walker, 1860)  
*concisa* (Walker, 1860)  
Range.– I-IV (N.Am.: N.S.-FL/B.C.-NM)  
Dates.– Jan-Oct, Dec  
Hosts.– *Phlox speciosa* (Polemoniaceae)  
*Picea pungens* (Pinaceae)  
*Pseudotsuga menziesii* (Pinaceae)  
leaf litter  
8326 **rotundalis** (Walker, [1866]) (McD 3737) **45.37**  
*borealis* (J. B. Smith, 1884)  
Range.– I-IV (e. N.Am.: N.S.-FL/CO-TX)  
Dates.– Jan-Aug, Nov-Dec  
Hosts.– fungus  
leaf litter  
8327 **forbesi** (French, 1894) (McD 3738)  
*merricki* (J. B. Smith, 1905)  
Range.– I (e. N.Am.: Que.-FL/IL-TX)  
Dates.– Jul-Aug? (stray)  
Hosts.– leaf litter  
8329 **diminuendus** (Barnes & McDunnough, 1918) (McD 3740) **45.38**  
*diminuenis* Knudson & Bordelon, 1999, mis-sp.  
Range.– I-IV (e. N.Am.: Que.-FL/MI-AL)  
Dates.– Mar, Jul, Sep-Oct  
Hosts.– ?leaf litter  
8330 **scobialis** (Grote, 1880) (McD 3741) **44.11**  
Range.– II (e. U.S.: NH-FL/MI-KY)  
Dates.– May-Sep? (stray)  
Hosts.– ?leaf litter  
8334 **lubricalis** (Geyer, 1832) (McD 3746) **45.40**  
*bistrigalis* (Stephens, 1834)  
*phaealis* (Guenée, 1854)  
*surrectalis* (Walker, [1859])  
Range.– I-VIII (N.Am.: N.S.-FL/B.C.-TX)  
Dates.– Jan-Dec  
Hosts.– ?*Citrus mitis* (Rutaceae)  
decaying wood  
grass  
lichens

8336 **gopheri** (J. B. Smith, 1899) (McD 3745)  
 Range.- I-IV (se. U.S.: GA-FL)  
 Dates.- Jan-May, Oct-Dec  
 Hosts.- detritus (burrows of gopher tortoise, *Gopherus polyphemus*)

**PHALAEENOPHANA** Grote, 1873

*Neohermia* Druce, 1891  
 8338 **pyramusalis** (Walker, [1859]) (McD 3750)  
*gyasalis* (Walker, 1859)  
*rurigena* Grote, 1872  
 Range.- I (e. N.Am.: N.S.-FL/Sask.-TX)  
 Dates.- Mar-Apr, Aug?-Sep  
 Hosts.- leaf litter

**ZANCLOGNATHA** Lederer, 1837

*Cleptomita* Grote, 1873  
*Megachyta* Grote, 1873  
*Pityolita* Grote, 1873  
*Epizeuxis*.- McDunnough, 1938 (not Hübner, 1818)  
*Polypogon*.- Poole, 1989, part  
 8340 **lituralis** (Hübner, 1818) (McD 3752)  
 Range.- I-IV (e. N.Am.: Que.-FL/WI-TX)  
 Dates.- Feb-Apr, Jun  
 Hosts.- leaf litter  
 8341 **theralis** (Walker, 1859) (McD 3753)  
*deceptricalis* Zeller, 1873  
 Range.- III-IV (e. N.Am.: NS-FL/Man.-TX)  
 Dates.- Apr, Jul-Aug, Nov  
 Hosts.- ?leaf litter  
 8343 **minoralis** J. B. Smith, 1895 (McD 3754)  
*theralis*.- auct., not Walker, 1859  
 Range.- I-IV (se. U.S.: FL-TX)  
 Dates.- Mar-Jul, Sep-Nov  
 Hosts.- ?leaf litter  
 8345 **laevigata** (Grote, 1872) (McD 3756)  
*f. obsoleta* J. B. Smith, 1884  
*f. modestalis* Dyar, 1903  
*f. reversata* Dyar, 1903  
 Range.- I-II (e. N.Am.: N.S.-FL/Man.-MO)  
 Dates.- May  
 Hosts.- leaf litter  
 8346 **atrilineella** (Grote, 1873) (McD 3757)  
 Range.- I-III (e. U.S.: NJ?-FL/MO-TX)  
 Dates.- Apr-May, Oct  
 Hosts.- leaf litter  
 8347 **obscuripennis** (Grote, 1872) (McD 3758)  
 Range.- I-IV (e. U.S.: NY-FL/MO-TX)  
 Dates.- Feb-Dec  
 Hosts.- leaf litter  
 8348 **pedipilalis** (Guenée, 1854) (McD 3759)  
*pedipalalis* Kimball, 1965, missp.  
 Range.- I-VIII (e. N.Am.: N.S.-FL/MI-LA)  
 Dates.- Jun  
 Hosts.- leaf litter  
 8349 **protumnusalis** (Walker, [1859]) (McD 3760)  
*minimalis* Grote, 1878  
 Range.- I-III (e. N.Am.: Que.-FL/WI-TX)  
 Dates.- Apr, Aug  
 Hosts.- ?leaf litter  
 8351 **cruralis** (Guenée, 1854) (McD 3762)  
 Range.- I-II (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Apr-May  
 Hosts.- *Abies* sp. (Pinaceae)  
 8352 **jacchusalis** (Walker, [1859]) (McD 3763)

**45.39** *marcidilinea* (Grote, 1872)  
 Range.- I-IV (e. N.Am.: Que.-FL/WI-TX)  
 Dates.- Feb-Apr, Jun, Dec  
 Hosts.- ?leaf litter

**CHYTOLITA** Grote, 1873

8356 **petrealis** Grote, 1880 (McD 3767) **44.12-13**  
*punctiformis* (J. B. Smith, 1895)  
*fulcalis* J. B. Smith, 1907  
 Range.- I (e. N.Am.: N.S.-FL?/MT-TX)  
 Dates.- May-Jul (stray?)  
 Hosts.- ?leaf litter

**MACROCHILO** Hübner, [1825]

*Hormisa* Walker, 1859  
*Litognatha* Grote, 1873  
*Sisyrhyphen* Grote, 1873  
*Pallachira* Grote, 1877  
*Xylormisa* Forbes, 1922  
 8360 **orciferalis** (Walker, [1859]) (McD 3776) **45.43**  
 Range.- I-VIII (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Jan-Dec  
 Hosts.- ?leaf litter  
 8361 **louisiana** (Forbes, 1922) (McD 3777) **43.24**  
 Range.- I-IV (e. N.Am.: Que.-FL/Sask.-TX)  
 Dates.- Jan-Dec  
 Hosts.- ?leaf litter  
 8361.1 **hypocritalis** Ferguson, 1982  
 Range.- II-IV (e. U.S.: GA-FL/MI-TX)  
 Dates.- Mar, Jul, Nov  
 Hosts.- ?leaf litter

**PHALAEENOSTOLA** Grote, 1873

*Philometra* Grote, 1872, preocc. (Costa, 1846)  
*Epidelta* Nye, 1975  
 8364 **larentioides** Grote, 1873 (McD 3769) **45.42**  
*citima* Grote, 1873  
*larentioides* Knudson & Bordelon, 1999, missp.  
*larentiodes* Rings & Rings, 2002, missp.  
 Range.- I-III (e. N.Am.: Que.-FL/MI-TX)  
 Dates.- Apr-Dec  
 Hosts.- leaf litter

**TETANOLITA** Grote, 1873

*Scalescepon* Möschler, 1890  
**45.41** 8366 **mynesalis** (Walker, 1859) (McD 3778) **43.26**  
*lixalis* Grote, 1873  
 Range.- I-VI (e. N.Am.: Que.-FL/IL-TX)  
 Dates.- Jan-Dec  
 Hosts.- ?leaf litter  
 8368 **floridana** (J. B. Smith, 1895) (McD 3780) **43.28**  
 Range.- I-III (e. N.Am.: N.S.-FL/IL-TX)  
 Dates.- Jan-Dec  
 Hosts.- ?leaf litter

**BLEPTINA** Guenée, 1854

*Opotura* Walker, [1859]  
*Anagoa* Möschler, 1886  
 8370 **caradrinalis** Guenée, 1854 (McD 3797) **42.6**  
*cloniasalis* (Walker, [1859])  
 Range.- I-VIII (N.Am.: Que.-FL/B.C.-AZ)  
 Dates.- Jan-Dec  
 Hosts.- leaf litter  
 8370.1 **araealis** (Hampson, 1901) (McD --) T

- Range.- VI-VIII (FL; West Indies)  
 Dates.- Jan-Mar, Dec  
 Hosts.- Unknown  
 8371 **inferior** Grote, 1872 (McD 3798/3799) **42.5, 9**  
*medialis* J. B. Smith, 1895
- Range.- I-VIII (Atlantic/Gulf coasts: NJ-FL-TX)  
 Dates.- Jan-Dec  
 Hosts.- leaf litter  
 8372 **sangamonia** Barnes & McDunnough, 1912 (McD 3800) **44.15**
- Range.- I-IV (e. U.S.: VA-FL/IL-TX)  
 Dates.- Jan, Apr  
 Hosts.- ?leaf litter  
 8374 **minimalis** Barnes & McDunnough, 1912 (McD 3802) T
- Range.- I-II (s. U.S.: FL-AZ; Mex.)  
 Dates.- (stray)  
 Hosts.- ?leaf litter  
 8375 **hydrillalis** Guenée, 1854 (McD 3802.1) T **42.10**  
*ulricusalis* Walker, [1859]  
*philetesalis* Walker, [1859]  
*atymnusalis* (Walker, 1859)  
*phanasgalis* Walker, 1859
- Range.- I-VI (FL; West Indies; C. Am.)  
 Dates.- Jan-Jun, Aug, Dec  
 Hosts.- ?leaf litter  
 \*8375.1 [**n. sp.**]  
 Range.- VIII (Florida)  
 Dates.- ?  
 Hosts.- Unknown  
 \*8375.2 [**n. sp.**]  
 Range.- V-VIII (Florida)  
 Dates.- ?  
 Hosts.- Unknown
- PHYSULA** Guenée, 1854  
*Metacinia* Schaus, 1913  
 8375.3 **albipunctilla** Schaus, 1916 (McD --) T  
 Range.- VI-VIII (FL; Cuba)  
 Dates.- May, Sep, Nov  
 Hosts.- Unknown
- AGLAONICE** Möschler, 1890  
*Metina* Druce, 1890  
 8375.4 **hirtipalpis** (Walker, [1859]) (McD --) T  
*deldonalis* (Walker, 1859)  
*snelleni* Möschler, 1890  
 Range.- IV-VI (FL; West Indies-Brazil)  
 Dates.- Aug  
 Hosts.- Unknown
- HYPENULA** Grote, 1876  
 8376 **cacuminalis** (Walker, [1859]) (McD 3803) **42.11**  
*biferalis* (Walker, [1859])  
*opacalis* Grote, 1876  
 Range.- I-VIII (Atlantic/Gulf coasts: NJ-FL-TX)  
 Dates.- Jan-Nov  
 Hosts.- ?leaf litter
- RENIA** Guenée, 1854  
*Gisira* Walker, [1859]  
*Crymona* Walker, 1862  
 8378 **salusalis** (Walker, [1859]) (McD 3782) **45.44**  
*brevirostralis* Grote, 1872  
 Range.- I-VI (e. U.S.: MA-FL/CO-TX)
- Dates.- Jan-Jul, Nov-Dec  
 Hosts.- leaf litter  
 8379 **factiosalis** (Walker, [1859]) (McD 3783)  
*clitosalis* (Walker, [1859])  
*centralis* Grote, 1872  
*plenilinealis* Grote, 1872  
*alutalis* Grote, 1872  
*tilosalis* J. B. Smith, 1909
- Range.- I-VI (e. N.Am.: N.S.-FL/CO-TX)  
 Dates.- Apr, Sep, Nov  
 Hosts.- ?leaf litter  
 8380 **nemoralis** Barnes & McDunnough, 1918 (McD 3784)
- Range.- I-II (e. U.S.: MA-FL/IL-TX)  
 Dates.- Aug  
 Hosts.- ?leaf litter  
 8381 **discoloralis** Guenée, 1854 (McD 3785) **42.1**  
*generalis* (Walker, [1859])  
*fallacialis* (Walker, [1859])  
*thraxalis* (Walker, [1859])
- Range.- I-VI (e. U.S.: NY-FL/IL-TX)  
 Dates.- Feb-Jun  
 Hosts.- ?leaf litter  
 8384.1 **flavipunctalis** (Geyer, 1832) (McD 3789/ 3790/ 3791) **42.2**  
*phalerosalis* (Walker, [1859])  
*heliusalis* (Walker, [1859])  
*pastoralis* Grote, 1872  
*belfragei* Grote, 1872  
*exserta* J. B. Smith, 1909  
 f. *atrimacula* J. B. Smith, 1910
- Range.- II-IV (e. N.Am.: Que.-FL/Man.-TX)  
 Dates.- Jan, Mar-May, Jul  
 Hosts.- ?leaf litter  
 8385 **fraternalis** J. B. Smith, 1895 (McD 3792) **42.3**  
 Range.- I-VI (se. U.S.: NC-FL/AR-TX)  
 Dates.- Jan-Dec  
 Hosts.- leaf litter
- 8386 **adspersgillus** (Bosc, [1800]) (McD 3794) **44.14**  
*larvalis* Grote, 1872  
*restrictalis* Grote, 1872
- Range.- I-IV (e. U.S.: MA-FL/IL-LA)  
 Dates.- Feb-Jul, Oct  
 Hosts.- *Diospyros* sp. (Ebenaceae)  
 8387 **sobrialis** (Walker, [1859]) (McD 3793) **42.7**  
 Range.- I-V (e. N.Am.: N.S.-FL/MI-CO-TX)  
 Dates.- Feb-Jun, Dec  
 Hosts.- leaf litter
- ARISTARIA** Guenée, 1854  
 8390 **theroalis** (Walker, [1859]) (McD --) T  
 Range.- II-VI (FL; TX; West Indies; [Mex.])  
 Dates.- Feb, May-Jul, Sep, Nov  
 Hosts.- ?leaf litter
- CARTERIS** Dognin, 1914  
 8391 **oculatalis** (Möschler, 1890) (McD 3796.2) T **42.4**  
*anser* (Druce, 1891)  
 Range.- VI (FL; West Indies)  
 Dates.- Feb, May-Jun, Sep-Dec  
 Hosts.- ?leaf litter
- PHLYCTAINA** Möschler, 1890  
*Aphlyctaena* Kaye, 1927  
 8392 **irrigualis** Möschler, 1890 (McD 3796.1) T **42.8**



*griseirena* (Hampson, 1898)  
 Range.- II-V (FL; West Indies)  
 Dates.- Apr-May, Oct, Dec  
 Hosts.- ?leaf litter

**LASCORIA** Walker, 1859

*Tortricodes* Guenée, 1854, preocc. (Guenée, 1845)  
*Gaberasa* Walker, [1866]  
*Eulintneria* Grote, 1882  
*Epitomiptera* Kaye, 1923  
*Alberticodes* Biezanko & Ruffinelli, 1963  
 8393 **ambigualis** Walker, 1866 (McD 3805) **42.12, 15**  
*bifidalis* (Grote, 1872)  
*indivialis* (Grote, 1872)  
*ambigualis* Tietz, 1972, missp.

Range.- I-VIII (e. N.Am.: Que.-FL/WI-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Ambrosia* sp. (Compositae)

*Armoracia rusticana* (Cruciferae)  
*Chrysanthemum* sp. (Compositae)  
 8395 **alucitalis** (Guenée, 1854) (McD 3805.1) T **42.13, 16**  
 Range.- I-VIII (FL; West Indies)  
 Dates.- Jan-Dec  
 Hosts.- Unknown  
 8396 **orneodalis** (Guenée, 1854) (McD 3805.2) T **42.14, 17**  
 Range.- III-VIII (FL; West Indies)  
 Dates.- Jan-Nov  
 Hosts.- Unknown

**PALTHIS** Hübner, [1825]

*Clanyma* Guenée, 1854  
*Mardara* Walker, [1859]  
 8397 **angulalis** (Hübner, 1796) (McD 3807) T **42.18**  
*aracanthusalis* (Walker, [1859])  
 Range.- I-V (N.Am.: N.S.-FL/B.C.-TX; West Indies)  
 Dates.- Jan-Dec  
 Hosts.- *Abies balsamea* (Pinaceae)  
*Acer saccharophorum* (Aceraceae)  
*Amelanchier florida* (Rosaceae)  
*Betula papyrifera*, *B. populifolia* (Salicaceae)  
*Malus pumila* (Rosaceae)  
*Picea engelmanni*, *P. glauca*, *P. mariana*, *P. sit-chensis* (Pinaceae)  
*Prunus virginiana* (Rosaceae)  
*Rubus allegheniensis* (Rosaceae)  
*Spiraea vanhoutii* (Rosaceae)  
*Taxodium distichum* (Taxodiaceae)  
 8398 **asopialis** (Guenée, 1854) (McD 3808) T **42.19**  
*insignalis* (Walker, [1859])  
 Range.- I-VI (e. U.S.: NY-FL/IL-TX; West Indies; Mex.-S. Am.)  
 Dates.- Jan-Dec  
 Hosts.- *Bidens* sp. (Compositae)  
*Erechtites hieracifolia* (Compositae)  
*Phaseolus* sp. (Leguminosae)  
*Quercus* sp. (Fagaceae)  
*Symphoricarpos orbiculatus* (Caprifoliaceae)  
*Zea mays* (Gramineae)

**REDECTIS** Nye, 1975

*Dercetis* Grote, 1878, preocc. (Münster & Agassiz, 1834)  
*Directis* Dyar, [1903], missp.  
 8400 **pygmaea** (Grote, 1878) (McD 3811) **42.21**

Range.- I-VIII (e. U.S.: NJ-FL/IL-TX)  
 Dates.- Jan-May, Jul-Dec  
 Hosts.- Unknown  
 8401 **vitrea** (Grote, 1878) (McD 3810) **42.20**  
 Range.- I-IV (e. U.S.: NJ-FL/IL-TX)  
 Dates.- Mar-May, Aug-Sep, Nov  
 Hosts.- *Digitaria* sp. (Gramineae)

**MACRISTIS** Schaus, 1916

8403 **schausi** Barnes & Benjamin, 1924 (McD 3813) T  
*f. flavipennis* Barnes & Benjamin, 1924  
 Range.- VIII (FL; TX; West Indies; [Mex.])  
 Dates.- Sep  
 Hosts.- Unknown  
 8403.1 **geminipunctalis** Schaus, 1916 (McD --) T  
 Range.- VI-VIII (FL; Cuba)  
 Dates.- Jan  
 Hosts.- Unknown

Group **NOCTUININA****RIVULINAE****RIVULA** Guenée, 1845

*Cholimma* Walker, [1863]  
*Motina* Walker, 1863  
*Rhazunda* Walker, 1866  
*Pasira* Moore, 1882, preocc. (Stal, 1859)  
*Rivulana* Bethune-Baker, 1911  
 8404 **propinqualis** Guenée, 1854 (McD 3732) **45.33**  
 Range.- I-VI (N.Am.: N.S.-FL/B.C.-TX)  
 Dates.- Jan, Apr-May, Jul-Oct  
 Hosts.- grasses (Gramineae)  
 8404.1 **pusilla** Möschler, 1890 (McD 3732.1) T **45.34**  
*nigripuncta* Schaus, 1913  
 Range.- III-VI (FL; TX; West Indies; Mex.-C. Am.)  
 Dates.- Apr-Dec  
 Hosts.- grasses (Gramineae)  
*Stenotaphrum secundatum* (Gramineae)

**OXYCILLA** Grote, 1896

8408 **mitographa** (Grote, 1873) (McD 3724)  
 Range.- I-III (Atlantic/Gulf Coasts: VA-FL-TX)  
 Dates.- Apr-Jul  
 Hosts.- Unknown

**COLOBOCHYLA** Hübner, [1825]

*Salis* Hübner, [1806]. suppr. (ICZN Op. 97)  
*Cholobochyla* Hübner, 1826, missp.  
*Madopa* Stephens, 1829  
*Colobochila* Agassiz, 1846, emend.  
*Calobochyla* Walker, 1859, missp.  
*Salia*.- auct., not Hübner, 1818  
 8411 **interpuncta** (Grote, 1872) (McD 3731) **45.32**  
*saligna* Zeller, 1872  
 Range.- I-VI (e. N.Am.: Ont.-FL/IL-TX)  
 Dates.- Mar-Sep  
 Hosts.- *Salix* (Salicaceae)

**MELANOMMA** Grote, 1875

8412 **auricinctaria** Grote, 1875 (McD 3720)  
 Range.- I-VI (e. N.Am.: Que.-FL/MI-TX)  
 Dates.- Mar, May, Jul  
 Hosts.- *Gaylussacia* sp. (Ericaceae)

**PROSOPARIA** Grote, 1883

*Friesia* Barnes & McDunnough, 1912  
 8419 **perfuscaria** Grote, 1883 (McD 3730)  
*anormalis* (Barnes & McDunnough, 1912)  
 Range.- I-IV (s. U.S.: FL-AZ; Mex.)  
 Dates.- Apr-May, Jul-Oct  
 Hosts.- Unknown

### HYPENODINAE

**HYPENODES** Doubleday, 1850  
*Schrankia* Herrich-Schäffer, 1851, preocc.  
 (Hübner, [1825])  
*Schrankia* Guenée, 1854, missp.  
*Tholomiges* Lederer, 1857  
*Menopsimus* Dyar, 1907  
 8421 **fractilinea** (J. B. Smith, 1908) (McD 3728)  
 Range.- I (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- May-Oct? (stray)  
 Hosts.- Unknown  
 \*8421.1 [**n. sp.**]  
 Range.- II-IV (Florida)  
 Dates.- Mar-Apr, Jun, Dec  
 Hosts.- Unknown

**PARAHYPENODES** Barnes & McDunnough, 1918  
 8430 **quadralis** Barnes & McDunnough, 1918 (McD 3729)  
 Range.- IV (e. N.Am.: N.S.-FL?/WI-TN)  
 Dates.- Feb, Apr (stray?)  
 Hosts.- Unknown

**SCHRANKIA** Hübner, [1825]  
*Hypenodes* Guenée, 1854, preocc. (Double-  
 day, 1850)  
*Hypenopsis* Dyar, 1913  
 8431 **macula** (Druce, 1891) (McD 3727) **45.29**  
 Range.- I-VIII (se. U.S.: VA-FL/MD-TX)  
 Dates.- Jan-Dec  
 Hosts.- bracket fungus

**SIGELA** Hulst, 1896  
*Pseudocraspedia* Hampson, 1898  
*Pseudocraspedia* auct., missp.  
 8433 **penumbrata** Hulst, 1896 (McD 3067)  
 Range.- I-VIII (Gulf Coast: [GA]/FL-TX)  
 Dates.- Jan-May, Sep-Nov  
 Hosts.- Unknown  
 8434 **basipunctaria** (Walker, 1861) (McD 3068) T  
*melanosticta* (Hampson, 1898)  
 Range.- I-VI (FL; TX; West Indies; [Mex.])  
 Dates.- Feb-Nov  
 Hosts.- Unknown  
 8435 **eoides** (Barnes & McDunnough, 1913) (McD 3065)  
 Range.- I-VI (Gulf Coast: [GA]/FL-TX) **49.3**  
 Dates.- Jan-Jul, Oct-Dec  
 Hosts.- Unknown

**ABABLEMMA** Nye, 1975  
*Microblemma* Hampson, 1910, preocc. (Sem-  
 enow, 1889)  
 8437 **brimleyana** (Dyar, 1914) (McD 3071) **49.4**  
 Range.- I-V (se. U.S.: NC-FL/[AR]-TX)  
 Dates.- Jan-Jul, Sep-Dec  
 Hosts.- Unknown

**NIGETIA** Walker, [1866]  
 8440 **formosalis** Walker, [1866] (McD 896) **39.3**

*melanopa* (Zeller, 1872)  
 Range.- I-V (e. N.Am.: Ont.-FL/IL-TX)  
 Dates.- Jan-Jul, Sep-Dec  
 Hosts.- Unknown

### HYPENINAE

**BOMOLOCHA** Hübner, [1825]  
*Macrhypena* Geote, 1873  
*Euhypena* Grote, 1873  
*Megahypena* Grote, 1873  
*Hypena*.- auct. (not Schrank, 1802)  
 [NOTE: Poole (1989) placed all species of *Bomolocha*, *Ophiuche*,  
*Plathypena*, and related genera, into one conglomerated *Hypena*.  
 Herein, the more well-known genera are retained.]  
 8441 **manalis** (Walker, [1859]) (McD 3687) **45.25**  
 Range.- I-VI (e. U.S.: ME-FL/MN-TX)  
 Dates.- Jan-Sep  
 Hosts.- Unknown  
 8442 **baltimoralis** (Guenée, 1854) (McD 3688) **45.26**  
*benignalis* (Walker, [1859])  
*laciniosa* (Zeller, 1872)  
 Range.- I-V (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Feb-Sep  
 Hosts.- *Acer* sp., *A. rubrum* (Aceraceae)  
 8442.1 **ramstadtii** Wyatt, 1967  
 Range.- I-III (Gulf Coast: [GA]/FL-TX)  
 Dates.- Apr, Jun, Oct  
 Hosts.- Unknown  
 8443 **bijugalis** (Walker, [1859]) (McD 3689) **45.27**  
*internalis* (Robinson, 1870), preocc.  
*toreuta* (Grote, 1872)  
*albisignalis* (Zeller, 1872)  
*pallialis* (Zeller, 1872)  
*fecialis* Grote, 1881  
 Range.- I-IV (N.Am.: Que.-FL/B.C.-CA)  
 Dates.- Jan, Mar-May, Aug  
 Hosts.- *Cornus stolonifera* (Cornaceae)  
 8444 **palparia** (Walker, 1861) (McD 3690)  
*scutellaris* Grote, 1873  
 Range.- I-II (N.Am.: Ont.-FL/B.C.-TX)  
 Dates.- Mar-Aug  
 Hosts.- *Quercus* sp. (Fagaceae)  
 8445 **abalienalis** (Walker, [1859]) (McD 3691)  
*abalinealis* Kimball, 1965, missp.  
 Range.- I (N.Am.: Que.-FL/Man.-TX-CA)  
 Dates.- Apr-Aug  
 Hosts.- *Ulmus rubra* (Ulmaceae)  
 8446 **deceptalis** (Walker, [1859]) (McD 3692)  
*perangulalis* Harvey, 1875  
 Range.- I-II (e. N.Am.: Que.-FL/Man.-TX)  
 Dates.- Mar-Aug  
 Hosts.- Unknown  
 8448 **sordidula** (Grote, 1872) (McD 3696)  
 Range.- I (e. N.Am.: ME-FL/Man.-TX)  
 Dates.- Apr-Jun, Aug  
 Hosts.- *Alnus* sp. (Betulaceae)  
*Juglans cinerea* (Juglandaceae)  
 8453 **umbralis** J. B. Smith, 1884 (McD 3700) T  
*cervinalis* (Möschler, 1890), preocc. (Moore,  
 1867)  
 Range.- I-IV (FL; TX; West Indies; [Mex.])  
 Dates.- Feb, Mar, Aug-Sep, Nov  
 Hosts.- Unknown

**LOMANALTES** Grote, 1873*Lomanaltes* Grote, 1873, nom. nud.8455 **eductalis** (Walker, [1859]) (McD 3703) **44.10***laetulus* Grote, 1873

Range.- I (e. N.Am.: N.S.-FL/Sask.-AL)

Dates.- Sep

Hosts.- *Alnus* sp., *A. rugosa* (Betulaceae)**OPIHUCHE** Hübner, [1825]*Anepischetos* J. B. Smith, 1900*Anepischetos* auct., missp.8456 **abjuralis** (Walker, [1859]), (McD 3704) T **43.27***abzinalis* (Walker, [1859]), missp.*scissalis* (Walker, 1866)*bipartita* (J. B. Smith, 1900)*lividialis*.- auct. (not Hübner, 1790)

Range.- II-VIII (FL; TX; West Indies; [Mex.])

Dates.- Feb-Dec

Hosts.- (Limnaceae)?

8457 **minualis** (Guenée, 1854) (McD 3701) T **45.28***citata* (Grote, 1872)*trituberalis* (Zeller, 1872)*obtectalis* (Möschler, 1886)

Range.- I-VIII (e. U.S.: MA-FL/IL-TX; Mex.-S. Am.)

Dates.- Jan-Dec

Hosts.- Unknown

8457.1 **vetustalis** (Guenée, 1854) (McD --) T

Range.- VI (FL; TX; West Indies; [Mex.])

Dates.- May, Oct-Nov

Hosts.- *Sida rhombifolia* (Malvaceae)8459 **degesalis** (Walker, 1859) (McD 3704.1) T **43.25***disseptalis* (Walker, [1866])*ancara* (Druce, 1881)*vinculalis* (Möschler, 1890)*degasalis* Kimball, 1965, missp.

Range.- I-VI (FL; TX; West Indies; Mex.-Brazil)

Dates.- Mar-Jun, Aug-Dec

Hosts.- Unknown

8460 **porrectalis** (Fabricius, 1794) (McD 3704.2) T*obditalis* (Walker, [1859])*incertalis* (Möschler, 1890)*umbratilis* (Doguin, 1913)

Range.- IV-VI (FL; West Indies; Mex.-Fr. Guiana)

Dates.- Jan, Mar-Dec

Hosts.- Unknown

**HYPENA** Schrank, 1802*Erichila* Billberg, 1820*Herpyzon* Hübner, 18228461 **humuli** Harris, 1841 (McD 3706)*germanalis* Walker, [1859]*evanidalis* Robinson, 1870*f. olivacea* Grote, 1873*f. albopunctata* Tepper, 1882

Hop looper

Range.- I (e. N.Am.: Que.-FL/B.C.-CA)

Dates.- Apr-Sep?

Hosts.- *Humulus lupulus* (Cannabidaceae)8461.1 **subidalis** Guenée, 1854 (McD --) T*pilosalis* Guenée, 1854*triangularis* Möschler, 1886

Range.- VIII (FL; West Indies-Brazil)

Dates.- Jan-Feb

Hosts.- Unknown

**PLATHYPENA** Grote, 18738465 **scabra** (Fabricius, 1798) (McD 3705) **45.30***obesalis*.- Stephens, 1834*erectalis* (Guenée, 1854)*revoluta* (Walker, 1858)*revolta* (Walker, 1858), redesc.*subrufalis* (Grote, 1872)

Green cloverworm

Range.- I-VI (N.Am.: N.S.-FL/Alb.-TX)

Dates.- Jan-May, Jul-Dec

Hosts.- *Ambrosia trifida* (Compositae)*Daucus carota* (Umbelliferae)*Desmodium* sp. (Leguminosae)*Digitaria ischaemum*, *D. sanguinalis* (Gramineae)*Fragaria chiloensis* (Rosaceae)*Glycine max* (Leguminosae)*Gossypium* sp. (Malvaceae)*Hedeoma pulegioides* (Labiatae)*Hibiscus* sp. (Malvaceae)*Ipomoea purpurea* (Convolvulaceae)*Lespedeza procumbens* (Leguminosae)*Lupinus angustifolius*, *L. hirsutus* (Leguminosae)*Malus pumila* (Rosaceae)*Medicago sativa* (Leguminosae)*Melilotus alba* (Leguminosae)*Mucuna deeringiana* (Leguminosae)*Panicum miliaceum* (Gramineae)*Paspalum dilatatum* (Gramineae)*Phaseolus limensis*, *P. vulgaris* (Leguminosae)*Pisum sativum* (Leguminosae)*Polygonum* sp. (Polygonaceae)*Populus* sp. (Salicaceae)*Potentilla* sp. (Rosaceae)*Robinia pseudoacacia* (Leguminosae)*Rubus allegheniensis* (Rosaceae)*Salix* sp. (Salicaceae)*Setaria italica* (Gramineae)*Sida acuta* (Malvaceae)*Trifolium* sp., *T. hybridum*, *T. incarnatum*, *T. pratense* (Leguminosae)*Vicia faba*, *V. sativa* (Leguminosae)*Vigna sinensis* (Leguminosae)*Zea mays* (Gramineae)**TATHORHYNCHUS** Hampson, 1894*Tathorhynchus* Bethune-Baker, 1911, missp.*Tathorrhynchus* Townsend, 1936, missp.*Xymehops* Viette, 1954[This genus is Old World, likely introduced into the New World on alfalfa shipments. Adult appearance has prompted placement in Amphipyridae (Poole, 1989), but morphologically it belongs in Catocalinae near the genus *Lygephila* (see Hayes, 1980).]8466 **exsiccata** (Lederer, 1855) (McD 3663) T*vinctalis* (Walker, [1866])*angustiorata* (Grote, 1882)

Range.- I-II (U.S. [introd.]: NY-FL/IL-CA; West Indies;

[Mex.]; Argentina; Old World tropics; Europe)

Dates.- Nov

Hosts.- *Medicago sativa* (Leguminosae)**HEMEROPLANIS** Hübner, 1818*Scopelopus* Stephens, 1829*Sanacea* Walker, [1866]*Pleonectyptera* Grote, 1872

- Coptocnemia* Zeller, 1872  
 8467 **scopulepes** (Haworth, [1809]) (McD 3664) **45.21-22**  
*pyralis* Hübner, 1818  
*pyraloides* Hübner, 1823  
*scopulaepes* (Stephens, 1829), missp.  
*inops* (Stephens, 1829)  
*denticulata* (Walker, 1865)  
*irrecta* (Walker, 1865)  
*floccalis* (Zeller, 1872)  
*f. geometralis* (Grote, 1872)  
*scopelopes* Seitz, 1940-46, missp.  
 Range.- I-VIII (e. U.S.: NY-FL/IL-TX)  
 Dates.- Jan-Dec  
 Hosts.- Unknown  
 8471 **habitalis** (Walker, [1859]) (McD 3668) **45.20**  
*phalaenalis* (Grote, 1872)  
*historialis*.- Rings & Rings, 2002, misid.  
 (not Grote, 1872)  
 Range.- I-VIII (se. U.S.: NC-FL/AR-TX)  
 Dates.- Jan-Nov  
 Hosts.- Unknown

**MURSA** Walker, 1859

- Aganzagara* Walker, [1866]  
*Paramimetica* Warren, 1889  
*Sisputa* Möschler, 1890  
 8477.1 **phtisialis** (Guenée, 1854) (McD 3658.1/3658.2  
 3658.3) T **45.16**  
*calisalis* Walker, 1859  
*disparatalis* (Walker, [1866])  
 Range.- IV-VI (FL; West Indies; C. Am.-Argentina)  
 Dates.- Jan-Feb, Aug, Nov-Dec  
 Hosts.- *Malva acuta* (Malvaceae)  
 8477.2 **subrufa** (Warren, 1889) (McD --) T  
 Range.- VIII (FL; TX; West Indies; Mex.-Brazil)  
 Dates.- May (stray?)  
 Hosts.- Unknown

**GLYMPIS** Walker, 1859

- Ecregma* Walker, 1859, preocc. (Walker, 1858)  
*Aluaca* Walker, [1858]  
*Perta* Walker, [1866]  
 8478 **concors** (Hübner, 1823) (McD 3648.1) T **45.11**  
*agilaria* (Druce, 1890)  
*flavicapilla* (Möschler, 1890)  
*reniformis* (J. B. Smith, 1903)  
*agillaria* Kimball, 1965, missp. [index].  
 Range.- IV-VIII (FL; TX; West Indies; Mex.-Brazil)  
 Dates.- Jan-Feb, May-Dec  
 Hosts.- *Sesbania* sp. (Leguminosae)

**PHYTOMETRA** Haworth, [1809]

- Antarchaea* Hübner, [1821]  
*Prothymia* Hübner, 1823  
*Nanthilda* Blanchard, 1840  
*Pseudomicra* Butler, 1892  
*Pyralidesthes* Warren, 1913  
 8480 **ernestinana** (Blanchard, 1840) (McD 3677) **43.19**  
*coccineifascia* (Grote, 1873)  
 Range.- I-VIII (e. U.S.: NY-FL/KS-TX)  
 Dates.- Jan-Dec  
 Hosts.- Unknown  
 8481 **rhodarialis** (Walker, 1859) (McD 3678) **43.20-21**  
*f. semipurpurea* (Walker, 1865)

- confinisalis* (Walker, [1866])  
*rosalba* (Grote, 1873)  
 Range.- I-VI (e. N.Am.: Ont.-FL/IL-CO-TX)  
 Dates.- Jan-Dec  
 Hosts.- Unknown

**HORMOSCHISTA** Möschler, 1890

- 8488 **latipalpis** (Walker, 1858) (McD 3686) T **45.24**  
*pagenstecheri* Möschler, 1890  
 Range.- I-VIII (se. U.S.: MD-FL/KY-TX; West Indies)  
 Dates.- Jan-Dec  
 Hosts.- Unknown

**OMMATOCHILA** Butler, 1894

- 8489 **mundula** (Zeller, 1872) (McD 3683/3686, part) ([see  
 9176.1]) T **45.31**  
*orba* (Grote, 1877)  
*lagore* (Druce, 1890)  
 Range.- VI-VIII (FL; TX; West Indies; [Mex.])  
 Dates.- Sep-Nov  
 Hosts.- Unknown

**CATOCALINAE****PANGRAPTA** Hübner, 1818

- Marmorinia* Guenée, 1852  
*Saraca* Walker, [1866]  
*Pargrapta* Grote, 1872, missp.  
*Stenozethes* Hampson, 1926  
 8490 **decoralis** Hübner, 1818 (McD 3650) **45.12**  
*epionoides* (Guenée, 1852)  
*geometroides* (Guenée, 1852)  
*elegantalis* (Fitch, 1856)  
*recusans* (Walker, 1866)  
 Range.- I-IV (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- Jan-Oct  
 Hosts.- *Vaccinium* sp., *V. angustifolium*, *V. corymbosum*  
 (Ericaceae)

**LEDAEA** Druce, 1891

- Legna* Walker, 1865, preocc. (Walker, 1858)  
 8491 **perditalis** (Walker, [1859]) (McD 3685) **45.23**  
*semilineata* (Walker, 1865)  
*umbriefascia* (Grote, 1873)  
 Range.- I-V (e. U.S.: ME-FL/IL-TX)  
 Dates.- Jan-Aug, Nov  
 Hosts.- *Cephalanthus occidentalis* (Naucleaceae)  
*Scirpus cyperinus* (Cyperaceae)

**ISOGONA** Guenée, 1852

- Massava* Walker, 1865  
*Elocussa* Walker, 1865  
*Pincia* Walker, 1869  
*Eutoreuma* Grote, 1872  
*Parora* J. B. Smith, 1900  
*Diapera* Hampson, 1926  
 8493 **tenuis** (Grote, 1872) (McD 3643)  
 Range.- I-IV (e. U.S.: NH-FL/IL-TX)  
 Dates.- Apr-Aug  
 Hosts.- *Celtis* sp. (Ulmaceae)  
 8498 **scindens** (Walker, 1858) (McD 3555) T **43.14**  
*ordinans* (Walker, 1858)  
 Range.- IV-VI (FL; TX; West Indies; [Mex.])  
 Dates.- Jun, Nov  
 Hosts.- Unknown

**METALECTRA** Hübner, 1823*Stimmia* Guenée, 1852*Homopyralis* Grote, 1875*Metalectra* Barnes & Benjamin, 1924, missp.8499 **discalis** (Grote, 1876) (McD 3651) **45.13**

Range.- I-VI (e. N.Am.: Ont.-FL/IL-TX)

Dates.- Jan-Nov

Hosts.- dry fungus

8500 **quadrignata** (Walker, [1858]) (McD 3652) **45.14***contracta* (Walker, 1860)*zonata* (Walker, 1865)*tactus* (Grote, 1875)

Range.- I-VI (e. N.Am.: N.S.-FL/Man.-TX)

Dates.- Mar-Oct

Hosts.- bracket fungus

fungus

mushrooms

\*8500.1 **[n. sp.]**

Range.- VI-VIII (Florida)

Dates.- ?

Hosts.- Unknown

8502 **tantillus** (Grote, 1875) (McD 3654) **45.15***monodia* (Dyar, 1903)

Range.- I-VI (e. U.S.: NY-FL/IL-TX)

Dates.- Jan-Oct

Hosts.- dead bark (*Acer*)

?fungus

8503 **diabolica** Barnes & Benjamin, 1924 (McD 3655)

Range.- I-II (se. U.S.: NC-FL/AR-TX)

Dates.- Mar

Hosts.- ?fungus

\*8504 **albilinea** Richards, 1941 (McD 3656.1) **44.9**

Range.- II-IV (Florida)

Dates.- Jan, Mar-Jun, Aug, Oct-Nov

Hosts.- ?fungus

8505 **richardsi** Brower, 1941 (McD 3656.2)

Range.- I-IV (e. U.S.: MA-FL/[IL]-TX)

Dates.- Feb-Sep

Hosts.- ?fungus

8508.1 **geminicincta** Schaus, 1916 (McD --) T

Range.- I-IV (AL-FL; West Indies; Mex.)

Dates.- Apr

Hosts.- ?fungus

**ARUGISA** Walker, 1865*Diallagma* J. B. Smith, 1900*Arguisa* Tietz, 1972, missp.8509 **laticollis** (Walker, 1863) (McD 3661) **43.17***luteo* (J. B. Smith, 1900)

Range.- I-VI (se. U.S.: VA-FL/IL-TX)

Dates.- Jan-Nov

Hosts.- *Poa pratensis* (Gramineae)8510 **watsoni** Richards, 1941 (McD 3661.1) **43.18**

Range.- I-VI (se. U.S.: NC-FL/AR-TX)

Dates.- Mar-Jun, Sep-Oct

Hosts.- ?grass (Gramineae)

**SCOLECOCAMPA** Guenée, 1852*Scoliocampa* Walker, 1856, missp.8514 **liburna** (Geyer, 1837) (McD 3623) **45.9***ligni* Guenée, 1852

Dead-wood owlet

Range.- I-VI (e. U.S.: NY-FL/IL-TX)

Dates.- Jan-Nov

Hosts.- dead wood (fungus?)

**PALPIDIA** Dyar, 18988517 **pallidior** Dyar, 1898 (McD 953) T **38.32***cocophaga* (Franclemont, 1949)

Range.- II-V (FL; West Indies)

Dates.- Feb-Nov

Hosts.- *Cocos nucifera* (Palmae)

dead wood (fungus?)

**GABARA** Walker, 1866*Eucalyptia* Morrison, 1875*Cilla* Grote, 1880*Strabea* Schaus, 1894*Adrocampa* Schaus, 1894*Aplocampa* Schaus, 18948522 **subnivosella** Walker, 1866 (McD 3631/3632)*nivealis* (J. B. Smith, 1903)a) **bipuncta** (Morrison, 1875) **45.10**

Range.- I-V (e. U.S.: MA-FL/IA-TX) [se. subsp.]

Dates.- May-Sep

Hosts.- ?grass (Gramineae)

8523 **distema** (Grote, 1880) (McD 2699/3634/3635/3636/3637) **45.15***strigata* (J. B. Smith, 1902)*depunctata* (Strand, 1916)a) **humeralis** (J. B. Smith, 1903) **44.8***umbonata* (J. B. Smith, 1903)*apicalis* (J. B. Smith, 1903)

Range.- I-VI (se. U.S.: NC-FL/AR-TX) [so. subsp.]

Dates.- Apr-Oct

Hosts.- ?grass (Gramineae)

8524 **pulverosalis** (Walker, 1866) (McD 3633/3638) **44.9***minorata* (J. B. Smith, 1903)Range.- I-IV (Atlantic/Gulf Coasts: NJ-FL-TX) **44.7**

Dates.- May, Sep-Oct

Hosts.- ?grass (Gramineae)

**PHYPROSOPUS** Grote, 1872*Sudariophora* Zeller, 1872*Phiprosopus* Dyar, 1893, emend.8525 **callitrichoides** Grote, 1872 (McD 3639) **45.8***acutalis*.- Walker, [1859] (not Herrich-Schäffer, 1852)*nasutaria* (Zeller, 1872)

Range.- I-VI (e. U.S.: NH-FL/IL-TX)

Dates.- Jan-Nov

Hosts.- *Linaria canadensis* (Scrophulariaceae)*Smilax* sp., *S. auriculata*, *S. rotundifolia* (Smilacaceae)**HYPsorOPHA** Hübner, 1818*Gloe* Hübner, [1808], suppr. (ICZN Op. 789)*Monogona* Guenée, 1852*Tiauspa* Walker, [1858]*Gloce* Neave, 1939, missp.*Hypsorophora* Rings & Rings, 2002, missp.*Hypsorophus* Rings & Rings, 2002, missp.8527 **monilis** (Fabricius, 1777) (McD 3610) **45.1**

Range.- I-IV (se. U.S.: NC-FL/MO-TX)

Dates.- Mar-Apr, Oct

Hosts.- *Diospyros virginiana* (Ebenaceae)?*Quercus* sp. (Fagaceae)8528 **hormos** Hübner, 1818 (McD 3611) **45.2**

Range.- I-VI (e. U.S.: NH-FL/KS-TX)

Dates.- Mar-Sep

Hosts.- *Diospyros virginiana* (Ebenaceae)  
*Gossypium herbaceum* (Malvaceae)  
*Sassafras* sp. (Lauraceae)

**CECHARISMENA** Möschler, 1890

*Zagorista* Schaus, 1916

8530 **cara** Möschler, 1890 (McD --) T

*cubalis* (Schaus, 1916)

Range.- VIII (FL; West Indies)

Dates.- (stray?)

Hosts.- Unknown

8531 **abarusalis** (Walker, [1859]) (McD 3613.1) T

Range.- VI (FL; TX; West Indies; Mex.-Brazil)

Dates.- Feb, May, Jul-Nov

Hosts.- Unknown

8532 **nectarea** Möschler, 1890 (McD 3613.2) T

*debora* (Druce, 1898)

Range.- IV-VIII (FL; West Indies; C. Am.)

Dates.- Oct-Nov

Hosts.- *Caperonia palustris* (Euphorbiaceae)

**PLUSIODONTA** Guenée, 1852

*Pluciodonta* Desmarest, [1857], missp.

*Gadera* Walker, [1858]

*Deva* Walker, [1858]

*Odontina* Guenée, 1862, preocc. (Zborzewski, 1834)

*Tafalla* Walker, 1869

*Tinnodoa* Nye, 1975

8534 **compressipalpis** Guenée, 1852 (McD 3612)

*insignis* Walker, 1865

*suffusa* Hill, 1924

*compressipalpus* Tietz, 1972, missp.

Moonseed owlet

Range.- I-II (e. N.Am.: Ont.-FL/Man.-TX)

Dates.- Feb-Jun, Aug-Sep

Hosts.- *Menispermum canadense* (Menispermaceae)

**GONODONTA** Hübner, 1818

*Athysania* Hübner, 1823

*Dosa* Walker, 1865

8537 **sicheas** (Cramer, 1777) (McD 3604.2) T

*hesione* (Drury, 1782)

*uncina* Hübner, 1818

Range.- IV-VI (FL; TX; West Indies; Mex.-Brazil)

Dates.- May, Oct

Hosts.- Unknown

8540 **nutrix** (Cramer, 1782) (McD 3604) T

*acmeptera* (Sepp, [1832-40])

Citrus fruit-piercer; sugar-apple fruit-piercer

Range.- IV-VI (FL; West Indies-Brazil)

Dates.- Jan-Mar, May-Dec

Hosts.- *Annona diversifolia* (Annonaceae)

*Brunfelsia undulata* (Solanaceae)

*Citrus sinensis* (Rutaceae) [adults]

*Lycopersicon esculentum* (Solanaceae)

\*8541 **unica** Neumoegen, 1891 (McD 3602)

Range.- III-VIII (Florida)

Dates.- Jan-Feb, Apr-Sep

Hosts.- *Annona cherimola*, *A. glabra*, *A. reticulata*, *A.*

*squamosa* (Annonaceae)

*Diospyros digyna* (Ebenaceae)

*?Ixora* sp. (Rubiaceae)

8542 **incurva** (Sepp, [1832-40]) (McD 3604.1) T

*teretimacula* Guenée, 1852

*velata* Walker, [1858]

*temperata* Walker, [1858]

*dentata* (R. Felder & Rogenhofer, 1874)

*soror*.- Stahl, 1883 (not Cramer, 1780)

*elaborans* Dyar, 1914

Range.- III-IV (FL; West Indies-Brazil)

Dates.- (stray)

Hosts.- *Artanthe* sp. (Piperaceae)

*Ocimum* sp. (Labiatae)

*Piper* sp., *P. peltatum* (Piperaceae)

8542.1 **bidens** Geyer, 1832 (McD --) T

*miranda* Raymundo, 1908

Range.- VI (FL; West Indies-Brazil)

Dates.- Oct (stray)

Hosts.- Unknown

**EUDOCIMA** Billberg, 1820

*Elygea* Billberg, 1820

*Leptophara* Billberg, 1820, nom. nud.

*Trissophaes* Hübner, [1823]

*Maenas* Hübner, [1823], preocc. (Walbaum, 1792)

*Rhytia* Hübner, [1823]

*Acacallis* Hübner, [1823]

*Corycia* Hübner, [1823]

*Acacalis* Agassiz, 1846, emend.

*Moenas* Walker, [1858], missp.

*Khadira* Moore, 1881

*Purbia* Moore, 1881

*Vandana* Moore, 1881

*Argadesa* Moore, 1881

*Halastus* Butler, 1892

*Eumaenas* Hampson, 1924

8543 **materna** (Linnaeus, 1767) (McD 3416) T

*hybrida* (Fabricius, 1775)

*apta* (Walker, [1858])

*serpentera*.- Draudt, 1940-46 (not Walker, [1858])

Range.- I-IV (se. U.S.: NC-FL/[AL]-TX; West Indies-Brazil; India-Australia)

Dates.- Mar-Jun (stray)

Hosts.- Unknown

**ANOMIS** Hübner, [1821]

*Cosmophila* Boisduval, 1833

*Anomus* Agassiz, 1846, emend.

*Gonitis* Guenée, 1852

*Ristra* Walker, 1858

*Rusicada* Walker, [1858]

*Scoedisa* Walker, [1858]

*Deremma* Walker, 1865

*Tiridata* Walker, 1865

*Capitaria* Walker, 1869

*Gonotis* Moore, 1882, missp.

*Deinopalpus* Holland, 1894

*Molopa* Swinhoe, 1902

*Gonopteronia* Bethune-Baker, 1906

8545 **erosa** Hübner, [1821] (McD 3617) T

Mallow caterpillar

Range.- I-VIII (e. N.Am.: Que.-FL/Man.-TX; West Indies)

Dates.- Jan-Dec

Hosts.- *Abelmoschus esculentus* (Malvaceae)

45.3

40.23

46.26

46.25

43.12

- Abutilon striatum*, *A. theophrasti* (Malvaceae)  
*Althaea rosea* (Malvaceae)  
*Capsicum* sp. (Solanaceae)  
*Gossypium* sp., *G. herbaceum* (Malvaceae)  
*Hibiscus cannabinus*, *H. moscheutos*, *H. mutabilis*,  
*H. rosa-sinensis*, *H. sabdariffa*, *H. syriacus*  
var. *alba*, *H. tiliaceus*, *H. trionum*  
(Malvaceae)  
*Malva* sp., *M. rotundifolia* (Malvaceae)  
*Malvaviscus arboreus* var. *drummondii*, *M. arbo-*  
*reus* var. *mexicanus* (Malvaceae)  
*Nicotiana tabacum* (Solanaceae)  
*Urena lobata* (Malvaceae)
- 8546 **flava** (Fabricius, 1775) (McD 3618) T  
a) **fimbriago** (Stephens, 1829) **43.13**  
*serrata* Barnes & McDunnough, 1913  
Range.- I-VIII (e. U.S.: NH-FL/IL-TX; West Indies; Mex.-  
Brazil) [U.S. subsp.]  
Dates.- Jan-Dec  
Hosts.- *Abelmoschus esculentus* (Malvaceae)  
*Gossypium herbaceum* (Malvaceae)  
*Hibiscus* sp. (Malvaceae)  
*Malvaviscus* sp. (Malvaceae)
- 8548 **impasta** Guenée, 1852 (McD 3618.1) T **45.6**  
*doctorium* Dyar, 1913  
Range.- III-VIII (FL; TX; West Indies; Mex.-Brazil)  
Dates.- Jan-Dec (stray)  
Hosts.- *Gossypium* sp. (Malvaceae)  
*Hibiscus moscheutos* (Malvaceae)  
*Malvaviscus* sp. (Malvaceae)
- 8549 **luridula** Guenée, 1852 (McD --) T  
*derogata* Walker, [1858]  
*umbrata* Schaus, 1911  
*professorum* Schaus, 1923  
Range.- VI-VIII (FL; West Indies-Ecuador)  
Dates.- Mar-Apr, Sep, Nov-Dec  
Hosts.- Unknown
- 8550 **texana** Riley, 1885 (McD 3620)  
*fuscostigma* Cockerell, 1889  
f. *lbostigma* Cockerell, 1889  
Range.- V (Gulf Coast: [GA]/FL-TX)  
Dates.- (stray?)  
Hosts.- *Gossypium herbaceum* (Malvaceae)
- 8551 **illita** Guenée, 1852 (McD 3618.2) T **45.7**  
*tortuosa* (Walker, 1858)  
*praerupta* Möschler, 1890  
Range.- III-VI (FL; TX; West Indies; Mex.-Brazil)  
Dates.- Jan-Dec  
Hosts.- Unknown
- 8553 **editrix** (Guenée, 1852) (McD 3622) T **44.6**  
*fractifera* (Walker, [1858])  
*albitacta* (Walker, [1858])  
*cosmioides* (Walker, [1858])  
*punctifera* (Walker, [1858])  
Range.- IV-VI (FL; TX; West Indies; Mex.-Brazil)  
Dates.- Jan, Jul, Oct-Dec  
Hosts.- Unknown
- ALABAMA** Grote, 1895  
*Eualabama* Grote, 1896
- 8554 **argillacea** (Hübner, 1823) (McD 3616) T **45.5**  
*xylina* (Say, 1828)  
*grandipuncta* (Guenée, 1852)  
*bipunctina* (Guenée, 1852)  
Cotton leafworm  
Range.- I-VIII (e. N.Am.: N.S.-FL/Man.-TX; West Indies;
- Mex.-Argentina)  
Dates.- Jul-Dec  
Hosts.- *Althaea* sp. (Malvaceae)  
*Anthemis cotula* (Compositae)  
*Gossypium herbaceum* (Malvaceae)  
*Hibiscus rosa-sinensis* (Malvaceae)  
*Lycopersicon esculentum* (Solanaceae)  
*Malva* sp. (Malvaceae)
- LITOPROSOPUS** Grote, 1869  
8556 **futilis** (Grote & Robinson, 1868) (McD 3598) **46.24**  
Cabbage palm caterpillar  
Range.- I-VI (se. U.S.: SC-FL/MS-TX)  
Dates.- Jan-Jul, Sep, Nov  
Hosts.- *Arecastrum romanzoffianum* (Palmae)  
*?Cupaniopsis anacardioides* (Sapindaceae)  
*Phoenix reclinata* (Palmae)  
*Sabal palmetto* (Palmae)  
*Serenoa repens* (Palmae)  
*Washingtonia robusta* (Palmae)
- 8557 **bahamensis** Hampson, 1926 (McD 3598.1) T  
Bahamian palm owlet  
Range.- VI-VIII (FL; West Indies)  
Dates.- Mar, Jun-Sep  
Hosts.- Unknown (?palms, Palmae)
- 8557.1 **haitiensis** Hampson, 1926 (McD --) T  
Range.- VIII (FL; Haiti)  
Dates.- Feb, Oct  
Hosts.- Unknown (?palms, Palmae)
- DIPHTHERA** Hübner, [1809]  
*Euglyphia* Hübner, [1820]  
*Diphtera* Stephens, 1850, emend.  
*Noropsis* Guenée, 1852
- 8560 **festiva** (Fabricius, 1775) (McD 3601) T **43.8**  
*hieroglyphica* (Cramer, 1777, preocc. (not  
Drury, 1773)  
*elegans* Hübner, [1809]  
*fastuosa* (Guenée, 1852)  
Hieroglyphic moth  
Range.- I-VI (se. U.S.: SC-FL/MI-TX; West Indies; Mex.-  
Brazil)  
Dates.- Apr-Nov  
Hosts.- *Lespedeza thunbergii* (Leguminosae)  
*Malvastrum spicatum* (Malvaceae)  
*Melochia corchorifolia*, *M. pyramidata*, *M. tom-*  
*entosa* (Sterculiaceae)  
*Phyllanthus latifolius* (Euphorbiaceae)  
*Waltheria americana* (Sterculiaceae)
- JANSEODES** Viette, 1962  
*Raparna*.- auct. (not Moore, 1882)
- 8561 **melanospila** (Guenée, 1852) (McD 3662) **45.18-19**  
Range.- III-VI (FL; TX)  
Dates.- Jan-Apr, Jul-Nov  
Hosts.- Unknown
- CONCANA** Walker, [1858]  
*Thelidora* Möschler, 1880
- 8562 **mundissima** Walker, [1858] (McD 3597.1) T  
*splendens* (Möschler, 1880)  
*hoshea* (Druce, 1889)  
*mundula* Dognin, 1912  
Range.- II-VI (FL; TX; West Indies; Mex.-Brazil)

Dates.– Mar, May-Jun

Hosts.– Unknown

**EULEPIDOTIS** Hübner, 1823

*Palindia* Guenée, 1852

*Peropalmus* Blanchard, 1852

*Eulepidotus* Herrich-Schäffer, 1856, missp.

*Calydia* Bar, 1875

*Palindiona* Hampson, 1926

8570 **metamorphia** Dyar, 1914 (McD 3589.1) T

Range.– IV-VI (FL; West Indies)

Dates.– Mar (stray)

Hosts.– Unknown

8572.1 **striaepuncta** (Herrich-Schäffer, 1868) (McD --) T

*variabilis* (Möschler, 1890)

var. *obscura* (Möschler, 1890)

Range.– VI (FL; West Indies)

Dates.– Nov (stray)

Hosts.– Unknown

**METALLATA** Möschler, 1890

*Saserna* Druce, 1891

*Euthermesia* Butler, 1896

8573 **absumens** (Walker, 1862) (McD 3593) T **46.20-23**

*scissilinea* (Walker, 1862)

*inexacta* (Walker, 1865)

*funesta* (Walker, 1865)

*alacris* (Walker, 1865)

*conflicta* (Walker, 1865)

*saturata* (Walker, 1865)

*adjuncta* (Walker, 1865)

*canalis* (Grote, 1874)

*guttula* (H. Edwards, 1882)

*lyde* (Druce, 1891)

*variabilis* Möschler, 1890

*minorata* (J. B. Smith, 1900)

*fasciata* (J. B. Smith, 1900)

Range.– I-VI (e. U.S.: NY-FL/MO-AZ; West Indies; Mex.-Brazil)

Dates.– Feb-Dec

Hosts.– Unknown

**ANTICARSIA** Hübner, 1818

8574 **gemmatalis** Hübner, 1818 (McD 3590) T **46.13-15**

*monstratura* (Walker, 1858)

*costalis* (Walker, 1858)

*detrahens* (Walker, 1858)

*spiloleuca* (Walker, 1858)

*subducta* (Walker, 1858)

*subsignata* (Walker, 1858)

*leucospila* (Walker, 1865)

*infumata* (Felder & Rogenhofer, 1874)

*gemina* (Maassen, 1890)

*gemmatilis* auct., missp.

Velvetbean caterpillar

Range.– I-VI (e. U.S.: NY-FL/MO-TX; West Indies; Mex.-Argentina)

Dates.– Jan-Dec

Hosts.– *Aeschynomene americana* (Leguminosae)

*Arachis hypogaea* (Leguminosae)

*Cajanus cajan*, *C. indicus* (Leguminosae)

*Canavalia* sp., *C. rosea* (Leguminosae)

*Glycine max* (Leguminosae)

*Gossypium herbaceum* (Malvaceae)

*Hibiscus* sp., *H. rosa-sinensis* (Malvaceae)

*Indigofera hirsuta* (Leguminosae)

*Medicago sativa* (Leguminosae)

*Mucuna deeringiana* (Leguminosae)

*Phaseolus* sp., *P. limensis*, *P. semierectus* (Leguminosae)

*Pisum* sp. (Leguminosae)

*Pueraria* sp., *P. lobata* (Leguminosae)

*Robinia pseudoacacia* (Leguminosae)

*Sesbania emerus*, *S. exaltata* (Leguminosae)

*Stizolobium deeringianum* (Leguminosae)

*Vigna repens*, var. *sinensis*, *V. unguiculata* (Leguminosae)

**AZETA** Guenée, 1852

*Milyas* Walker, 1858

*Chabora* Walker, 1865

8575 **repugnalis** (Hübner, [1825]) (McD 3591) T **46.19**

*vampoa* Guenée, 1852

*mirzah* Guenée, 1852

*fusilinea* (Walker, 1858)

*undulifera* (Walker, 1865)

*suffusa* (Walker, 1866)

*ferruginea* (J. B. Smith, 1900)

Range.– I-VIII (se. U.S.: FL-TX; West Indies; Mex.-Brazil)

Dates.– Jan-Jul, Oct-Dec

Hosts.– *Canavalia lineata*, *C. rosea* (Leguminosae)  
(Leguminosae)

**ANTIBLEMMA** Hübner, 1823

*Capnodes*.– auct. (not Guenée, 1852)

*Gerisa* Walker, 1858

*Egryllon* J. B. Smith, 1900

8577 **rufinans** (Guenée, 1852) (McD 3606) T **44.5**

*subcinerascens* (Walker, 1858)

f. *discerpta* (Walker, [1858])

*torrida* (Walker, 1865)

*lara* (Druce, 1890)

*astyla* (Möschler, 1890)

*punctivena* (J. B. Smith, 1900)

f. *marita* (Schaus, 1901)

Range.– IV-VI (FL; West Indies/C. Am.-Brazil)

Dates.– Jan-Jun, Dec

Hosts.– *Eugenia myrtoidea* (Myrtaceae)

\*8578 **filaria** (J. B. Smith, 1900) (McD 3660) T **43.23**

Range.– IV-VIII (Florida)

Dates.– Jan-May, Aug, Nov-Dec

Hosts.– Unknown

8579 **concinula** (Walker, 1865) (McD 3607.1) T **43.22**

*priscilla* (Möschler, 1890)

*distacta* (Hampson, 1898)

Range.– III-VIII (FL; West Indies-Argentina)

Dates.– Jan-Dec

Hosts.– Unknown

**EPHYRODES** Guenée, 1852

*Liviana* Walker, 1865

*Leida* Walker, 1865

*Maltana* Walker, 1866

8582 **cacata** Guenée, 1852 (McD 3594) T **43.11**

*quatiens* (Walker, 1858)

*implens* Walker, 1858

*experimens* Walker, 1858

*jurgiosa* Walker, 1858

*scitilinea* Walker, 1858



*comprimens* Walker, 1858  
*pallescens* (Walker, 1865)  
*pallida* (Walker, 1865)  
*thermisioides* (Walker, 1866)  
*mensurata* Möschler, 1880  
*laena* Druce, 1890  
Range.- III-VIII (FL; TX; West Indies; Mex.-Brazil)  
Dates.- Apr, Jun-Nov  
Hosts.- Unknown

**ATHYRMA** Hübner, 1823  
*Athyma* Pagenstecher, 1888, missp.  
8583 **adjutrix** (Cramer, 1780) (McD 3593.1/3593.2) T **44.4**  
*dormitrix* Guenée, 1852  
Range.- IV-VI (FL; West Indies-Brazil)  
Dates.- Jan-Nov  
Hosts.- Unknown  
8583.1 **ganglio** Hübner, [1827-31] T  
Range.- IV-VI (FL; West Indies-Brazil)  
Dates.- Jan-Nov  
Hosts.- Unknown

**SYLLECTRA** Hübner, 1819  
*Sylectra* Hübner, 1825, missp.  
*Teratocera* Guenée, 1852  
8584 **erycata** (Cramer, 1780) (McD 3659) T **45.17**  
*mirandalis* Hübner, 1819  
*ericata* (Guenée, 1852), missp.  
Range.- IV-VIII (FL; TX; West Indies; Mex.-Brazil)  
Dates.- Jan, May-Sep, Nov  
Hosts.- Unknown

**EPIDROMIA** Guenée, 1852  
8585 **fergusoni** Solis, 1986 (McD 3532) **47.21**  
*delinquens*.- auct. (not Walker, 1858)  
Range.- I-VIII (se. U.S.: [GA]-FL/[AL]-LA)  
Dates.- Jan-Dec  
Hosts.- Unknown  
8585.1 **pannosa** Guenée, 1852 (McD --) T  
*poaphiloides*.- Franclemont & Poole, 1983  
(not Guenée, 1852)  
*poaphilodes* Rings & Rings, 2002, missp.,  
misid. (not Guenée, 1852)  
Range.- VIII (FL; West Indies-Brazil)  
Dates.- Mar-May, Nov-Dec  
Hosts.- *Eugenia axillaris* (Myrtaceae)  
*Metopium toxiferum* (Anacardiaceae)  
*Psidium guajava*, *P. littorale* var. *longipes* (Myr-  
taceae)  
*Rhus copallina* (Anacardiaceae)

\*8585.2 [**n. sp.**]

Range.- VI-VIII (Florida)  
Dates.- ?  
Hosts.- Unknown  
8585.3 **pyraliformis** (Walker, 1858) (McD --) T  
*credibilis* (Walker, 1858)  
*pedestris* (Walker, 1858)  
*profecta* (Walker, 1858)  
*sigillata* (Walker, 1858)  
*arenosa* (Walker, 1865)  
*concosa* (Walker, 1865)  
*flavilineata* (Hampson, 1904)  
Range.- VI-VIII (FL; West Indies)  
Dates.- Mar-Apr  
Hosts.- Unknown

**MASSALA** Walker, 1865  
8586 **obvertens** (Walker, 1858) (McD 3533) T **47.22**  
*turtur* (R. Felder & Rogenhofer, 1874)  
*larina* Druce, 1890  
*insularis* (Möschler, 1890)  
Range.- IV-VIII (FL; TX; West Indies; Mex.-Brazil)  
Dates.- Jan, Mar-Jun, Aug-Sep, Nov  
Hosts.- Unknown

**PANOPODA** Guenée, 1852  
*Siavana* Walker, 1857  
*Harveya* Grote, 1873  
8587 **rufimargo** (Hübner, 1818) (McD 3534) **47.23**  
*f. roseicosta* Guenée, 1852  
*f. rubricosta* Guenée, 1852  
*cressoni* Grote, 1863  
Range.- I-IV (e. N.Am.: Que.-FL/MN-TX)  
Dates.- Feb-Nov  
Hosts.- *Betula* sp. (Betulaceae)  
*Quercus* sp. (Fagaceae)  
8588 **carneicosta** Guenée, 1852 (McD 3535) **47.24**  
*f. combinata* (Walker, 1857)  
*scissa* (Walker, 1865)  
Range.- I-IV (e. U.S.: ME-FL/KS-TX)  
Dates.- Feb-May, Jul-Sep  
Hosts.- *Carya* sp. (Juglandaceae)  
*Quercus* sp. (Fagaceae)  
*Salix* sp. (Salicaceae)  
*Tilia* sp. (Tiliaceae)  
8589 **repanda** (Walker, 1858) 9McD 3536 **47.25**  
*auripennis* (Grote, 1873)  
Range.- I-VI (se. U.S.: NC-FL/MO-TX)  
Dates.- Jan-Nov  
Hosts.- *Panicum purpurascens* (Gramineae)  
*Quercus virginiana* (Fagaceae)

**PHOBERIA** Hübner, 1818  
*Lyssia* Guenée, 1852  
8591 **atomaris** Hübner, 1818 (McD 3545) **47.27**  
*orthosioides* (Guenée, 1852)  
*porrigens* (Walker, 1858)  
*basigutta* (Walker, 1869)  
*orthosiodes* Richards, 1939, missp.  
Range.- I-VI (e. U.S.: MA-FL/KS-TX)  
Dates.- Jan-Apr  
Hosts.- *Quercus* sp., *Q. rubra* (Fagaceae)

**CISSUSA** Walker, 1856  
*Ulosyneda* J. B. Smith, 1903  
8592 **spadix** (Cramer, 1780) (McD 3539) **47.26**  
*remigipila* (Guenée, 1852)  
*vegeta* (Morrison, 1876)  
Range.- I-VI (e. N.Am.: Ont.-FL/WI-TX)  
Dates.- Jan-Apr  
Hosts.- Unknown

**MELIPOTIS** Hübner, 1818  
*Heliothis* Hübner, 1808, suppr. (ICZN Op.  
789)  
*Bolina*.- auct. (not Duponchel, 1845)  
*Lyncestis* Walker, 1857  
*Gerespa* Walker, [1858]  
*Coronta* Walker, [1858]  
*Jarasana* Moore, 1882  
*Meliopis* Swinhoe, 1900, missp.

- 8598 **perpendicularis** (Guenée, 1852) (McD 3546.1/3548) T **46.1**  
*marmoraris* (Guenée, 1852)  
*disturbans* (Walker, [1858])  
*excepta* (Walker, [1858])  
*glaucipennis* (Walker, [1858])  
*stolida* (Walker, [1858])  
*stygalis* Grote, 1878  
*indistincta* (Butler, 1878)  
*limitata* (Möschler, 1886)  
Range.- I-VI (Gulf Coast: GA/FL-TX; West Indies; Mex.-Brazil)  
Dates.- Jan-Mar, Jun, Dec  
Hosts.- *Dodonaea viscosa* (Sapindaceae)  
8599 **fasciolaris** (Hübner, 1823) (McD 3547) T **46.5-6**  
*fascicularis* (Guenée, 1852), missp.  
*cunearis* (Guenée, 1852)  
*fuscarius* (Guenée, 1852)  
*limitaris* (Guenée, 1852)  
*illuminans* (Walker, [1858])  
*illuminaris* (Walker, 1858), missp. [index].  
*lunearis* McDunnough, 1938, missp.  
*fasciolarus* Rings & Rings, 2002, missp.  
Range.- III-VIII (FL; West Indies; Mex.-Argentina)  
Dates.- Jan-Dec  
Hosts.- Unknown  
8600 **indomita** (Walker, [1858]) (McD 3549) T **46.10**  
*nigrescens* (Grote & Robinson, 1866)  
*ochreipennis* (Harvey, 1875)  
*ochreifascia* (Grote, 1875)  
Range.- I-VIII (e. U.S.: ME-FL/MN-TX; West Indies; Mex.-Brazil)  
Dates.- May-Jul, Nov  
Hosts.- *Prosopis* sp. (Leguminosae)  
8601 **cellaris** (Guenée, 1852) 9McD 3549.1) T **46.2**  
*turbata* (Walker, [1858])  
*insipida* (R. Felder & Rogenhofer, 1874)  
*inconstans*.- Grossbeck, 1917 (not Guenée, 1852)  
Range.- IV-VIII (FL; TX; West Indies; Mex.-Brazil)  
Dates.- Mar, May-Jun, Aug, Oct  
Hosts.- Unknown  
8603 **januaris** (Guenée, 1852) (McD 3549.2) T **46.3-4**  
*russaris* (Guenée, 1852)  
*excavans* (Walker, [1858])  
*subtilis* (Walker, [1858])  
*parcicolor* (Herrich-Schäffer, 1868)  
*rectifascia* (Herrich-Schäffer, 1868)  
*surinamensis* (Möschler, 1880)  
*nebulosa* (Maassen, 1890)  
*argos* (Druce, 1900)  
*rectifasciata* Wolcott, 1936, missp.  
Range.- III-VIII (FL; West Indies; Mex.-Brazil)  
Dates.- Jan-Dec  
Hosts.- *Inga* sp. (Leguminosae)  
*Lysiloma bahamensis* (Leguminosae)  
8604 **famelica** (Guenée, 1852) (McD 3550) T  
*bivittata* (Walker, [1858])  
*leucomelana*.- auct. (not Herrich-Schäffer, 1868)  
Range.- III-VIII (FL; TX; West Indies; Mex.-Brazil)  
Dates.- Jan-Dec  
Hosts.- Unknown  
8605 **contorta** (Guenée, 1852) (McD 3550.1) T **46.16**  
*bistriga* (Walker, [1858])  
*striolaris* (Herrich-Schäffer, 1868)  
Range.- II-VIII (FL; TX; West Indies; [Mex.])  
Dates.- Jan-Feb, May, Jul, Dec  
Hosts.- Unknown  
8606 **prolata** (Walker, [1858]) (McD 3551.1) T **46.8**  
Range.- IV-VIII (FL; West Indies)  
Dates.- Jan-Sep, Nov-Dec  
Hosts.- Unknown  
8607 **jucunda** Hübner, 1818 (McD 3551) T **46.7**  
*cinis* (Guenée, 1852)  
*versabilis* Harvey, 1877  
Range.- I-VIII (N.Am.: NJ-FL/Man.-CA; West Indies; Mex.)  
Dates.- Jan-Dec  
Hosts.- *Acacia* sp. (Leguminosae)  
*Quercus prionoides* (Fagaceae)  
*Salix amygdaloides*, *S. bonplandiana* (Salicaceae)  
8610 **acontoides** (Guenée, 1852) (McD 3553) T **46.9**  
*penicillum* (Herrich-Schäffer, 1868)  
*sinualis* Harvey, 1877  
*acontoides* Watson, 1943, missp.  
Royal poinciana caterpillar  
Range.- II-VIII (FL; TX; West Indies; Mex.-Brazil)  
Dates.- Jan, Mar, May-Dec  
Hosts.- *Delonix regia* (Leguminosae)  
*Parkinsonia* sp., *P. aculeata* (Leguminosae)  
*Poeppigia* sp. (Leguminosae)  
**BULIA** Walker, 1858  
*Biula* Walker, [1858], preocc. (Walker, 1857)  
*Arsisaca* Walker, [1866]  
*Cirrhobolina* Grote, 1875  
*Cirrhobolina* Dyar, 1903, missp.  
*Bullia* Kimball, 1865, missp.  
8614 **deducta** (Morrison, 1875) (McD 3556) T **44.3**  
*pavitensis* (Morrison, 1875)  
*incandescens* (Grote, 1875)  
var. *vulpina* (H. Edwards, 1882)  
var. *albina* Strecker, 1900  
Range.- I (Gulf Coast: [GA]/FL-TX; Mex.)  
Dates.- Jun (stray)  
Hosts.- *Prosopis glandulosa* (Leguminosae)  
**DRASTERIA** Hübner, 1818  
*Bolina* Duponchel, [1845], preocc.  
*Leucanitis* Guenée, 1852  
*Syneda* Guenée, 1852  
*Synedoida* H. Edwards, 1878  
*Aleucanitis* Warren, 1913  
8618 **graphica** Hübner, 1818 (McD 3563) **46.11-12**  
*capiticola* (Walker, 1858)  
*media* (Morrison, 1875)  
*faceta* (H. Edwards, 1881)  
*capitcola* McDunnough, 1938, missp.  
Range.- I-VI (Atlantic/Gulf Coasts: ME-FL-MS)  
Dates.- Jan-Jun  
Hosts.- *Vaccinium* sp. (Ericaceae)  
8641 **grandirena** (Haworth, [1809]) (McD 3565) **46.18**  
*limbolaris* (Geyer, 1832)  
Range.- I (e. N.Am.: N.S.-FL/WI-TX)  
Dates.- Mar-May, Aug  
Hosts.- *Hamamelis* sp., *H. virginiana* (Hamamelidaceae)

**HYPOCALA** Guenée, 1852

8642 **andremona** (Cramer, 1781) (McD 3614) T **45.4**  
*nymphagoga* (Martyn, 1797), preocc. (Esper, 1787)

*filicornis* Guenée, 1852

*pierreti* Guenée, 1852

*hilli* Lintner, 1878

Range.- I-VIII (e. U.S.: ME-FL/MO-TX; West Indies; Mex.-Brazil)

Dates.- May-Jun, Aug-Dec

Hosts.- *Diospyros* sp., *D. digyna*, *D. kaki* (Ebenaceae)

**BORYZOPS** Richards, 1936

8643 **purissima** (Dyar, 1910) (McD 3584) T **46.17**  
 f. *ciocolatina* (Draudt, 1939)

Range.- V-VIII (FL; TX; West Indies; Mex.)

Dates.- Jan, Mar-Aug, Oct-Nov

Hosts.- Unknown

**ORODESMA** Herrich-Schäffer, 1868

*Poliothripa* Hampson, 1912, preocc. (Hampson, 1902)

*Megastopolia* Hampson, 1918

*Orodesmia* Wolcott, 1923, missp.

*Lois* Dyar, 1924

*Boryzola* Hampson, 1926

8644 **apicina** Herrich-Schäffer, 1868 (McD 3563.1) T **40.27**  
*lorina* (Druce, 1890)

*juanita* (Schaus, 1894)

f. *nigrosparata* (Draudt & Gaede, 1944)

Range.- VI-VIII (FL; TX; West Indies; Mex.-Brazil)

Dates.- Apr-May

Hosts.- Unknown

**ELOUSA** Walker, [1858]

*Masebia* Walker, 1958

8644.1 **albicans** Walker, [1858] (McD --) T  
*famelica* (Walker, 1958)

Range.- VIII (FL; West Indies)

Dates.- Apr (stray)

Hosts.- Unknown

**HEMEROBLEMMIA** Hübner, 1818

*Blosyris* Hübner, 1818

*Thermesia* Hübner, [1823]

*Peosina* Guenée, 1852

*Brujas* Guenée, 1852

*Obucola* Walker, 1858

*Brunjia* Pagenstecher, 1909, missp.

8645 **opigena** (Drury, 1772) (McD 3523) T **40.24**  
*pandrosa* (Cramer, 1776)

*respiciens* (Walker, 1858)

*repellens* (Walker, 1858)

Range.- II-VIII (FL; West Indies/C. Am.-Brazil)

Dates.- Feb-Dec

Hosts.- Unknown

**LATEBRARIA** Guenée, 1852

8646 **amphipyroides** Guenée, 1852 (McD 3524) T **40.25**  
*errans* Walker, 1858

Range.- VI-VIII (FL; TX; West Indies; Mex.-Brazil)

Dates.- (stray)

Hosts.- (Leguminosae)

**THYSANIA** Dalman, 1824

*Thyzania* Reinell-H., 2002, missp.

8647 **zenobia** (Cramer, 1777) (McD 3526) T

Owl moth

Range.- III-VIII (se. U.S. [strays to Canada]: SC-FL/M)-TX; West Indies; Mex.-Argentina)

Dates.- Jul-Aug (stray)

Hosts.- (Leguminosae?)

8648 **agrippina** (Cramer, 1776) (McD 3526.1) T

*strix* (Hübner, [1821])

*agripina* Reinell-H., 2002, missp.

White witch

Range.- III-VIII (FL; West Indies; Mex.-Brazil)

Dates.- (stray)

Hosts.- (Leguminosae?)

**ASCALAPHA** Hübner, [1809]

*Idechthis* Hübner, 1821

*Otosema* Hübner, [1823]

*Erebus*.- auct. (not Latreille, 1810)

8649 **odorata** (Linnaeus, 1758) (McD 3525) T **40.26**

*odora* (Linnaeus, 1764), missp.

*agarista* (Cramer, 1777)

*odoar* (Tietz, 1972), missp.

Black witch

Range.- I-VIII (s. U.S. [strays to Canada]: FL- CA; West Indies; Mex.-Argentina; Hawaii)

Dates.- Jan-Feb, Apr-Dec

Hosts.- *Acacia decurrens* (Leguminosae)

*Cassia fistula*, *C. nodosa* (Leguminosae)

?*Ficus carica* (Moraceae)

*Gymnocladus dioica* (Leguminosae)

*Pithecellobium unguis-cati* (Leguminosae)

*Samanea saman* (Leguminosae)

**TYRISSA** Walker, 1866

8650 **multilinea** Barnes & McDunnough, 1913 (McD T 3522) **47.18**

Range.- IV-VIII (FL; TX; West Indies-Mex.)

Dates.- Jan-Dec

Hosts.- Unknown

**LESMONE** Hübner, 1818

*Bendis* Hübner, 1823

*Azatha* Walker, 1858

*Trama* Harvey, 1875, preocc. (Heyden, 1837)

*Lepidotrama* Cockerell, 1903

8651 **detrahens** (Walker, 1858) (McD 3527) **47.19**

*arrosa* (Harvey, 1875)

Range.- I-III (e. U.S.: NY-FL/KS-TX)

Dates.- Feb-Sep

Hosts.- Unknown

8653 **hinna** (Geyer, 1837) 9McD 3529) **47.20**

*pulverosa* (Walker, 1865)

Range.- I-VI (se. U.S.: SC-FL/MS-TX)

Dates.- Jan-Dec

Hosts.- Unknown

8655 **formularis** (Geyer, 1837) (McD 3531) T

*impar* (Guenée, 1852)

*fusifascia* (Walker, 1858)

*pastica* (Walker, 1865)

*umbrata* (Walker, 1865)

*irregularis*.- R. Felder & Rogenhofer, 1874

(not Hübner, 1808)

Range.- IV-VI (FL; TX; West Indies; Mex.-Brazil)

Dates.- Jan-Dec

Hosts.- *Cassia* sp. (Leguminosae)

**SELENISA** Hayward, 1967

*Selenis* Guenée, 1852, preocc. (Hope, 1839)

8658 **sueroides** (Guenée, 1852) (McD 3514) T **47.17**

*monotropa* (Grote, 1876)

*monotrappa* (Tietz, 1972), missp.

Legume caterpillar

Range.- I-VIII (se. U.S.: SC-FL/AR-TX; West Indies; Mex.-Brazil)

Dates.- Jan-Dec

Hosts.- *Aeschynomene americana* (Leguminosae)

*Caesalpinia* sp. (Leguminosae)

*Cassia* sp., *C. nictitans*, *C. occidentalis* (Leguminosae)

*Cinnamomum camphora* (Lauraceae)

*Crotalaria* sp. (Leguminosae)

*Dalbergia sissoo* (Leguminosae)

*Daubentonia punicea* (Leguminosae)

*Jacaranda* sp., *J. acutifolia* (Bignoniaceae)

?*Panicum purpurascens* (Gramineae)

*Pithecellobium* sp. *P. dulce* (Leguminosae)

?*Pongamia pinnata* (Leguminosae)

*Sapium sebiferum* (Euphorbeaceae)

*Sesbania* sp., *S. vesicaria* (Leguminosae)

**HETERANASSA** J. B. Smith, 1899

8659 **mima** (Harvey, 1876) (McD 3510) T

Range.- I-VIII (Gulf Coast: FL-TX; Mex.)

Dates.- Mar (stray?)

Hosts.- *Acacia* sp. (Leguminosae)

*Prosopis* sp. (Leguminosae)

**COXINA** Guenée, 1852

8662 **cinctipalpis** (J. B. Smith, 1899) (McD 3502) T **47.15**

Range.- IV-VIII (FL; TX; [Mex.])

Dates.- Jan-Dec

Hosts.- Unknown

**COENIPETA** Hübner, 1818

*Acolasis* Hübner, [1821]

*Anthocitta* Hübner, [1823]

*Acolasia* Hübner, [1826], missp.

*Coenopeta* Agassiz, 1846, missp.

*Caenipeta* Guenée, 1852, missp.

*Hypogramma* Guenée, 1852

*Eudipna* Walker, 1856

8665 **bibitrix** (Hübner, [1823]) (McD 3513) T **47.16**

*glaudescens* Walker, 1866

*meskei* (H. Edwards, 1882)

Range.- II-VI (FL; TX; West Indies; Mex.-Brazil)

Dates.- Jan, Apr, Jun-Jul, Sep-Dec

Hosts.- Unknown

**METRIA** Hübner, [1823]

*Safia* Guenée, 1852

*Campometra* Guenée, 1852

*Yrias* Guenée, 1852

*Rhubuna* Walker, 1858

*Placonia* Möschler, 1880

*Rhubina* Hampson, 1913, missp.

8666 **amella** (Guenée, 1852) (McD 3466) T **48.23**

*integerrima* (Walker, [1858])

*stylobata* (Harvey, 1876)

*distilla* (Dyar, 1913)

f. *blatchleyi* (Haimbach, 1928)

Range.- I-VIII (Gulf Coast: FL-TX; West Indies; Mex.)

Dates.- Jan-Dec

Hosts.- *Quercus* sp., *Q. laurifolia*, *Q. virginiana* (Fagaceae)

8667 **bilineata** (J. B. Smith, 1899) (McD 3467) T

Range.- VIII (FL; TX; West Indies; Mex.)

Dates.- May

Hosts.- *Acacia flexicaulis* (Leguminosae)

**KAKOPODA** J. B. Smith, 1900

*Paryrias* Hampson, 1926

*Meridyrias* Hampson, 1926

8669 **cincta** J. B. Smith, 1900 (McD 3516) T **43.9**

Range.- IV-VIII (FL; TX; [Mex.])

Dates.- Mar, May-Sep

Hosts.- Unknown

**TOXONPRUCHA** Möschler, 1890

\*8676.1 [n. sp.] T

Range.- IV-VIII (Florida)

Dates.- ?

Hosts.- Unknown

**MATIGRAMMA** Grote, 1872

8679 **pulverilinea** Grote, 1872 (McD 3506) **44.1-2**

Range.- I-II (se. U.S.: SC-FL/KS-TX)

Dates.- Jul

Hosts.- Unknown

**PSEUDANTHRACIA** Grote, 1874

8683 **coracias** (Guenée, 1852) (McD 3482) **47.7**

*cornix* (Guenée, 1852)

*cinerea* (Morrison, 1875)

Range.- I-VI (e. N.Am.: Ont.-FL/AR-NM)

Dates.- Feb-Sep, Dec

Hosts.- *Quercus* sp.? (Fagaceae)

**ZALE** Hübner, 1818

*Lemur* Hübner, 1808, suppr. (ICZN Op. 789)

*Phaeocyma* Hübner, 1818

*Omoptera* Guérin-Ménéville, 1832

*Omopterus* Guérin-Ménéville, 1844, missp.

*Xylis* Guenée, 1852

*Homoptera* Guenée, 1852, missp.

*Ypsia* Guenée, 1852

*Nephelina* Kirby, 1897

8684 **exhausta** (Guenée, 1852) (McD 3468) T **48.24**

*vernifera* (Walker, 1858)

*privata* (Walker, 1865)

Range.- I-VI (FL; West Indies-Brazil)

Dates.- Jan, Apr-May, Jul-Sep, Nov

Hosts.- Unknown

8685 **viridans** (Guenée, 1852) (McD 3469) T

*viridisquama* (Walker, 1858)

Range.- IV-VIII (FL; TX; West Indies; Mex.-Brazil)

Dates.- Feb-Aug, Nov

Hosts.- Unknown

8686 **strigimacula** (Guenée, 1852) (McD --) T

*erilda* Schaus, 1940

Range.- VIII (FL; West Indies-Brazil)

Dates.- ? (stray)

Hosts.- Unknown

8687 **fictilis** (Guenée, 1852) (McD 3470) T **47.1**

- guadulpensis* (Guenée, 1851)  
*terros* (Guenée, 1852)  
*gradata* (Walker, [1858])  
*posterior* (Walker, [1858])  
 Range.- I-VI (Gulf Coast: FL-TX; West Indies; Mex.-Brazil)  
 Dates.- Jan, Mar-Dec  
 Hosts.- Unknown  
 8689 **lunata** (Drury, 1773) (McD 3474) **47.2**  
     *f. edusa* (Drury, 1773)  
     *putrescens* (Guérin-Méneville, 1832)  
     *marginalis* (Walker, 1865)  
     *f. saundersi* (Bethune, 1865)  
     *f. lunatoides* Strand, 1917  
 Range.- I-VII (N.Am.: Que.-FL/Man.-CA; Mex.)  
 Dates.- Jan-Dec  
 Hosts.- *Acer* sp. (Aceraceae)  
     *Hypericum* sp. (Guttiferae)  
     *Prunus domestica* (Rosaceae)  
     *Quercus* sp. (Fagaceae)  
     *Rosa* sp. (Rosaceae)  
     *Salix* sp. (Salicaceae)  
     *Solidago* sp. (Compositae)  
 \*8690 **smithi** Haimbach, 1928 (McD 3475)  
     *sexplagiata*.- auct. (not Walker, 1858)  
 Range.- VI-VIII (Florida)  
 Dates.- Jan-Apr, Sep  
 Hosts.- Unknown  
 8691 **declarens** (Walker, [1858]) (McD 3477) **47.3-4**  
     *f. uniformis* (Morrison, 1875)  
 Range.- I-V (se. U.S.: SC-FL/MS-LA)  
 Dates.- Jan-Jul  
 Hosts.- Unknown  
 8692 **galbanata** (Morrison, 1876) (McD 3478) **47.12**  
     *lunifera*.- auct. (not Hübner, 1818)  
     *penna* (Morrison, 1876)  
     *lineosa*.- Franclemont, 1950 (not Walker, [1858])  
 Range.- I-III (e. N.Am.: Ont.-FL/Man.-TX)  
 Dates.- Mar, May, Aug  
 Hosts.- *Acer* sp. (Aceraceae)  
 8694 **aeruginosa** (Guenée, 1852) (McD 3480) **47.5**  
     *plenipectus* (Walker, [1858])  
     *nigrior* Strand, 1917  
 Range.- I-IV (N.Am.: N.S.-FL/IL-AZ)  
 Dates.- Feb-Sep  
 Hosts.- *Cornus alternifolia* (Cornaceae)  
     *Quercus albo*, *Q. virginiana* (Fagaceae)  
 8695 **undularis** (Drury, 1773) (McD 3481) **47.6**  
     *nigricans* (Bethune, 1865)  
     *f. umbripennis* Grote, 1876  
     *albosquamulata* Strand, 1917  
 Range.- I-III (e. N.Am.: Ont.-FL/MN-TX)  
 Dates.- Mar, May  
 Hosts.- *Cornus* sp. (Cornaceae)  
     *Gleditsia* sp. (Leguminosae)  
     *Robinia pseudoacacia* (Leguminosae)  
 8697 **minerea** (Guenée, 1852) (McD 3484)  
     *lineosa* (Walker, [1858])  
     *involuta* (Walker, [1858])  
     *albofasciata* (Bethune, 1865)  
     *f. minereoides* Strand, 1917  
 Range.- I-III (N.Am.: N.S.-FL/B.C.-CA)  
 Dates.- Mar-Apr, Jul-Aug  
 Hosts.- *Betula* sp. (Betulaceae)  
     *Malus pumila* (Rosaceae)
- Ostrya virginiana* (Betulaceae)  
*Salix* sp. (Salicaceae)  
 8698 **phaeocapna** Franclemont, 1950 (McD --)  
 Range.- I-II (e. U.S.: NY-FL/IL-TX)  
 Dates.- Mar-May  
 Hosts.- *Corylus americana*, *C. cornuta* (Betulaceae)  
 8699 **obliqua** (Guenée, 1852) (McD 3487) **47.9**  
 Range.- I-II (e. U.S.: NY-FL/MN-TX)  
 Dates.- Apr, Dec  
 Hosts.- *Pinus* sp. (Pinaceae)  
 8700 **squamularis** (Drury, 1773) (McD 3488)  
     *f. lapidaria* Haimbach, 1928  
 Range.- I-III (e. U.S.: NY-FL/KY-MS)  
 Dates.- Feb, Jun  
 Hosts.- *Pinus* sp. (Pinaceae)  
     ?*Quercus* sp. (Fagaceae)  
 8701 **confusa** McDunnough, 1940 (McD 3487.1) **54.35**  
 Range.- I-III (se. U.S.: GA-FL/AR-TX)  
 Dates.- Mar, May  
 Hosts.- Unknown  
 8702 **submediana** Strand, 1917 (McD 3489)  
 Range.- I-III (se. U.S.: GA-FL/AR-TX)  
 Dates.- Mar-Jun, Aug  
 Hosts.- *Pinus banksiana* (Pinaceae)  
 8704 **helata** (J. B. Smith, 1908) (McD 3491) **47.10**  
     *f. ruperti* McDunnough, 1943  
 Range.- I-II (e. N.Am.: Que.-FL/Man.-TX)  
 Dates.- Mar-Apr  
 Hosts.- *Larix* sp. (Pinaceae)  
     *Pinus* sp. (Pinaceae)  
 8706 **buchholzi** McDunnough, 1943 (McD 3491.1) **54.36**  
 Range.- I-II (Atlantic/Gulf Coasts: NJ-FL-TX)  
 Dates.- Mar  
 Hosts.- Unknown  
 8708 **metata** (J. B. Smith, 1908) (McD 3493) **47.11**  
 Range.- I-V (se. U.S.: MD-FL/[AR]-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Pinus virginiana* (Pinaceae)  
 8709 **curema** (J. B. Smith, 1908) (McD 3494) **54.37**  
 Range.- I-IV (e. U.S.: MA-FL/AR-TX)  
 Dates.- Mar-May, Sep  
 Hosts.- Unknown  
 8713 **lunifera** (Hübner, 1818) (McD 3485/3499) **47.8**  
     *calycanthata*.- auct. (not J. E. Smith, 1797)  
     *intenta* (Walker, [1858])  
     *cingulifera* (Walker, [1858])  
     *woodi* (Grote, 1877)  
 Range.- I-IV (e. N.Am.: Ont.-FL/WI-TX)  
 Dates.- Feb-Apr  
 Hosts.- *Pinus* sp. (Pinaceae)  
     *Prunus* sp. (Rosaceae)  
 8714 **calycanthata** (J. E. Smith, 1797) (McD 3500)  
     *f. dealbata* Strand, 1917  
 Range.- I-III (e. N.Am.: NJ-FL/Man.-CO-TX)  
 Dates.- Feb-Mar  
 Hosts.- *Betula* sp. (Betulaceae)  
     ?*Calycanthus* sp., *C. floridus* (Calycanthaceae)  
     *Quercus* sp. (Fagaceae)  
 8717 **horrida** Hübner, 1818 (McD 3501) **47.13-14**  
 Range.- I-IV (e. N.Am.: Que.-FL/Man.-CO-TX)  
 Dates.- Jan-Jun, Aug-Sep  
 Hosts.- *Viburnum* sp., *V. lentago* (Caprifoliaceae)  
 8718 **perculata** Franclemont, 1964 (McD --)  
 Range.- I-II (se. U.S.: GA-FL)

Dates.- Mar  
 Hosts.- *Ampelothamnus phillyreifolius* (Ericaceae)  
 \*8718.1 [n. sp.]  
 Range.- VI-VIII (Florida)  
 Dates.- ?  
 Hosts.- Unknown

**EUPARTHENOS** Grote, 1876  
*Parthenos* Hübner, [1823], preocc. (Hübner, 1819)  
*Catocalirrhus* Andrews, 1877  
 8719 **nubilis** (Hübner, [1823]) (McD 3414)  
*fasciata* (Beutenmüller, 1907)  
*f. unilineata* Chermock & Chermock, 1940  
 Locust underwing  
 Range.- I (N.Am.: Ont.-FL/NE-AZ)  
 Dates.- Apr, Sep  
 Hosts.- *Robinia* sp., *R. pseudoacacia* (Leguminosae)

**ALLOTRIA** Hübner, [1823]  
 8721 **elonympha** (Hübner, 1818) (McD 3415)  
 Range.- I-IV (e. N.Am.: N.S.-FL/IL-TX)  
 Dates.- Mar-Sep  
 Hosts.- *Carya* sp. (Juglandaceae)  
*Juglans* sp. (Juglandaceae)  
*Nyssa sylvatica* (Nyssaceae)

**ACHAEA** Hübner, [1823]  
*Geria* Walker, 1858  
 8721.1 **ablunaris** (Guenée, 1852) (McD --) T  
*restituta* (Walker, 1858)  
*indistincta* (Walker, 1865)  
 var. *hilaris* (Möschler, 1890), preocc.  
 Range.- VIII (FL; TX; West Indies; Mex.-Colombia)  
 Dates.- Dec (stray)  
 Hosts.- Unknown

**OPHISMA** Guenée, 1852  
 8722 **tropicalis** Guenée, 1852 (McD 3418) T  
 Range.- IV (FL; TX; West Indies; Mex.-S. Am.)  
 Dates.- May (stray?)  
 Hosts.- Unknown

**DYSGONIA** Hübner, [1823]  
*Parallelia*.- auct. (not Hübner, 1818)  
*Naxia* Guenée, 1852, preocc. (Leach, 1823)  
*Pasipeda* Moore, 1882, preocc. (Walker, 1858)  
*Macaldemia* Moore, [1885], repl. name  
*Pindara* Moore, [1885]  
*Caramilla* Moore, [1885]  
*Bastilla* Swinhoe, 1918  
*Xiana* Nye, 1975, repl. name  
 8724 **consobrina** (Guenée, 1852) (McD 3419)  
*redditura* (Walker, 1858)  
 Range.- I-II (se. U.S.: SC-FL/MS-TX)  
 Dates.- May  
 Hosts.- Unknown  
 8725 **similis** (Guenée, 1852) (McD 3420)  
*f. apicalis* (Guenée, 1852)  
*concolor* (Grote, 1893)  
 Range.- I-III (se. U.S.: SC-FL/MS-LA)  
 Dates.- Mar, May-Aug  
 Hosts.- Unknown  
 8726 **smithii** (Guenée, 1852) (McD 3421)  
 Range.- I-IV (e. U.S.: NJ-FL/IL-TX)

Dates.- Jan-Aug, Dec  
 Hosts.- Unknown

**PARALLELIA** Hübner, 1818  
 8727 **bistriaris** Hübner, 1818 (McD 3422)  
*amplissima* (Walker, 1858)  
 Range.- I-IV (e. N.Am.: N.S.-FL/WI-CO-TX)  
 Dates.- Feb-Aug  
 Hosts.- *Acer* sp., *A. rubrum*, *A. saccharinum* (Aceraceae)  
*Juglans nigra* (Juglandaceae)

**CUTINA** Walker, 1866  
 8728 **albopunctella** Walker, 1866 (McD 3463) **48.21**  
*strigularia* (J. B. Smith, 1900)  
 Range.- I-V (se. U.S.: MD-FL/MO-TX)  
 Dates.- Feb-Oct  
 Hosts.- *Taxodium distichum* (Taxodiaceae)  
 8729 **distincta** (Grote, 1883) (McD 3464) **48.22**  
*inquieticolor* (Dyar, 1922)  
 Range.- I-V (se. U.S.: MD-FL/OK-TX)  
 Dates.- Mar-Oct  
 Hosts.- *Taxodium distichum* [fruit] (Taxodiaceae)  
 8729.1 **aluticolor** Pogue & Ferguson, 1998  
 Range.- I-III (se. U.S.: VA-FL/MO-TX)  
 Dates.- Feb-Sep  
 Hosts.- ?*Taxodium* sp. Taxodiaceae)  
 8729.2 **arcuata** Pogue & Ferguson, 1998  
 Range.- I-V (se. U.S.: VA-FL/MO-TX)  
 Dates.- Feb-Sep  
 Hosts.- ?*Taxodium* sp. Taxodiaceae)

**FOCILLIDIA** Hampson, 1913  
 8730.1 **grenadensis** Hampson, 1913 (McD 3465.1) T  
 Range.- VIII (FL; West Indies)  
 Dates.- Aug-Oct (stray)  
 Hosts.- Unknown

**EUCLIDIA** Ochsenheimer, 1816  
*Ectypa* Billberg, 1820  
*Cronospileia* Hübner, [1823]  
*Euclidina* McDunnough, 1937  
 8731 **cuspilea** (Hübner, 1818) (McD 3426)  
 Range.- I-VI (e. N.Am.: Que.-FL/Man.-TX)  
 Dates.- Mar-Apr  
 Hosts.- *Lupinus chamissonis* (Leguminosae)  
*Trifolium* sp. (Leguminosae)  
*Vitis* sp., *V. vinifera* (Vitaceae)  
 grasses (Gramineae)

**CAENURGIA** Walker, 1858  
*Gloia* Hübner, 1818, unavail.  
*Litosea* Grote, 1875  
 8733 **chloropha** (Hübner, 1818) (McD 3432) **43.1**  
*convalescens* (Guenée, 1852)  
*purgata* Walker, 1858  
*socors* Walker, 1858  
 Vetch looper  
 Range.- I-VIII (e. N.Am.: Ont.-FL/KS-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Vicia* sp. (Leguminosae)

**CAENURGINA** McDunnough, 1937  
 8738 **crassiuscula** (Haworth, 1809) (McD 3430) T  
*erichto* (Guenée, 1852)

- sobria* (Walker, 1858)  
*f. ochreg* (Grote, 1873)  
*ericho* (H. Edwards, 1876), missp.  
 Clover looper  
 Range.- I (N.Am.: N.S.-FL/B.C.-CA; Mex.-Costa Rica)  
 Dates.- Mar-Nov  
 Hosts.- *Lupinus* sp. (Leguminosae)  
*Trifolium* sp. (Leguminosae)  
 grass (Gramineae)  
 8739 **erechtea** (Cramer, 1780) (McD 3431)  
*patibilis* (Walker, 1858)  
*narrata* (Walker, 1858)  
*agricola* (Grote & Robinson, 1867)  
*mundula* (Grote & Robinson, 1867)  
*f. parva* Blackmore, 1920  
 Forage looper  
 Range.- I-VI (N.Am.: Ont.-FL/B.C.-CA)  
 Dates.- Apr-May, Nov  
 Hosts.- *Lupinus* sp. (Leguminosae)  
*Medicago sativa* (Leguminosae)  
*?Panicum purpurascens* (Gramineae)  
*Trifolium* sp. (Leguminosae)
- MOCIS** Hübner, [1823]  
*Remigia* Guenée, 1852  
*Pelamia* Guenée, 1852  
*Baratha* Walker, 1865  
*Cauninda* Moore, [1885]  
*Pelomia* Warren, 1913, missp.  
 8743 **latipes** (Guenée, 1852) (McD 3438) T **43.5**  
*repanda*.- auct. (not Fabricius, 1794)  
*delinquens* (Walker, 1858)  
*exscindens* (Walker, 1858)  
*subtilis* (Walker, 1858)  
*collata* (Walker, 1865)  
*indentata* (Harvey, 1875)  
 Striped grass looper  
 Range.- I-VIII (e. N.Am.: Ont.-FL/IL-TX; West Indies; Mex.-Argentina)  
 Dates.- Jan-Dec  
 Hosts.- *Brassica rapa* (Cruciferae)  
*Cenchrus* sp., *C. brownii* (Gramineae)  
*Chloris pluriflora* (Gramineae)  
*Cortaderia selloana* (Gramineae)  
*Cynodon dactylon* (Gramineae)  
*Digitaria decumbens*, *D. sanguinalis* (Gramineae)  
*Eriochloa punctata* (Gramineae)  
*Hypericum* sp. (Guttiferae)  
*Leptochloa nealleyi* (Gramineae)  
*Macroptilium atropurpureum* (Leguminosae)  
*Oryza sativa* (Gramineae)  
*Panicum* sp., *P. fasciculatum*, *P. maximum*, *P. purpurascens* (Gramineae)  
*Saccharum officinarum* (Gramineae)  
*Sorghum bicolor* (Gramineae)  
*Stenotaphrum secundatum* (Gramineae)  
*Tricholaena rosea* (Gramineae)  
*Vicia faba* (Leguminosae)  
*Zea mays* (Gramineae)  
 grass (Gramineae)  
 8744 **marcida** (Guenée, 1852) (McD 3434) **43.2**  
*perlata* (Walker, 1858)  
 Range.- I-VIII (se. U.S.: NC [strays to NY]-FL/MO-TX)  
 Dates.- Jan-Dec  
 Hosts.- grass (Gramineae)  
 8745 **texana** (Morrison, 1875) (McD 3435) T **43.3**
- hexastylus* (Harvey, 1875)  
 Range.- I-IV (e. N.Am.: Ont.-FL/MN-TX; Mex.)  
 Dates.- Jan-Dec  
 Hosts.- *Digitaria* sp. (Gramineae)  
 8746 **disseverans** (Walker, 1858) (McD 3436) **43.4**  
*acuta* (Walker, 1865)  
*munda*.- auct. (not Walker, 1865)  
 Range.- I-VI (se. U.S.: SC-FL/AR-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Panicum purpurascens* (Gramineae)  
*Saccharum officinarum* (Gramineae)  
*Sorghum* sp. (Gramineae)  
 grass (Gramineae)  
 8746.1 **cubana** Hampson, 1913 (McD --) T  
 Range.- VIII (FL; Cuba)  
 Dates.- Apr, Nov-Dec  
 Hosts.- grass (Gramineae)
- CELIPTERA** Guenée, 1852  
*Litomitus* Grote, 1864  
*Paraceliptera* Draudt, 1940  
 8747 **frustulum** Guenée, 1852 (McD 3447) **48.15**  
*elongatus* (Grote, 1864)  
*discissa* (Walker, 1865)  
 Range.- I-IV (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Mar, May-Oct  
 Hosts.- *Robinia pseudoacacia* (Leguminosae)
- PTICHODIS** Hübner, 1818  
*Petrophora* Hübner, 1808, suppr. (ICZN Op. 789)  
*Phurys*.- auct. (not Guenée, 1852)  
*Ptichodes* Poole, 1989, missp.  
 8749 **vinculum** (Guenée, 1852) (McD 3439) **48.13**  
 Range.- I-VI (e. U.S.: NY-FL/IL-TX)  
 Dates.- Jan-Dec  
 Hosts.- Unknown  
 8750 **herbarum** (Guenée, 1852) (McD 3440/3441) **48.12**  
*lima* (Guenée, 1852)  
*obversa* (Walker, 1858)  
*dissocians* (Walker, 1858)  
*bifasciata* (Bates, 1886)  
 Range.- I-IV (e. U.S.: NY-FL/IL-TX)  
 Dates.- Feb-Jun, Sep, Dec  
 Hosts.- *Lespedeza* sp. (Leguminosae)  
 8751 **bistrigata** Hübner, 1818 (McD 3442)  
 Range.- I-IV (e. U.S.: NJ-FL/IL-TX)  
 Dates.- Mar-May, Jul-Aug  
 Hosts.- Unknown  
 8752 **pacalis** (Walker, 1858) (McD 3449) **48.14**  
*irrorata* (Grote, 1878)  
 Range.- I-VI (se. U.S.: [GA]-FL/AL)  
 Dates.- Feb-Apr  
 Hosts.- Unknown  
 8754.1 **immunis** (Guenée, 1852) (McD --) T  
 var. *tussia* (Guenée, 1852)  
 Range.- VI (FL; West Indies)  
 Dates.- Mar (stray)  
 Hosts.- Unknown
- ARGYROSTROTIS** Hübner, [1821]  
*Agnomonis* Hübner, [1831]  
*Crochiphora* Hübner, [1831]  
*Argyrostromus* Agassiz, 1846, emend.

- Poaphila* Guenée, 1852  
 8755 **herbicola** (Guenée, 1852) (McD 3451) **54.29-30**  
 Range.- I-II (se. U.S.: NC-FL/AR-TX)  
 Dates.- Mar, May-Jun  
 Hosts.- Unknown  
 8756 **contempta** (Guenée, 1852) (McD 3454)  
 Range.- I-VI (se. U.S.: SC-FL/MS-LA)  
 Dates.- Aug  
 Hosts.- Unknown  
 \*8757 **diffundens** (Walker, 1858) (McD 3450)  
 Range.- VIII? (FL?)  
 Dates.- ?  
 Hosts.- Unknown  
 8758 **carolina** (J. B. Smith, 1905) (McD 3445)  
 Range.- I-II (se. U.S.: NC-FL/AR-TX)  
 Dates.- Mar, May, Jul, Oct  
 Hosts.- Unknown  
 8759 **flavistriaria** (Hübner, [1831]) (McD 3444) **54.31**  
     *perplexa* (Guenée, 1852)  
     *perspicua* (Walker, 1858)  
     *glans* (Grote, 1877)  
 Range.- I-II (se. U.S.: SC-FL/MS-TX)  
 Dates.- Mar, Jul, Oct  
 Hosts.- *Scutellaria* sp. (Labiatae)  
 8760 **sylvarum** (Guenée, 1852) (McD 3452) **54.32**  
 Range.- I-VIII (se. U.S.: NC-FL/AR-TX)  
 Dates.- Mar, May-Jun, Aug, Nov  
 Hosts.- *Lyonia fruticosa* (Ericaceae)  
 8761 **erasa** (Guenée, 1852) (McD 3453) **54.33**  
 Range.- I-VI (se. U.S.: NC-FL/AR-TX)  
 Dates.- Feb-Apr, Jun, Aug  
 Hosts.- Unknown  
 8762 **quadrifilaris** (Hübner, [1831]) (McD 3456/3457)  
     f. *obsoleta* (Grote, 1876) **48.16**  
     *quadrifiliaria* Tietz, 1972, missp. **54.34**  
 Range.- I-VI (e. U.S.: NH-FL/WI-TX)  
 Dates.- Jan-Oct  
 Hosts.- *Gossypium* sp., *G. herbaceum* (Malvaceae)  
 8763 **deleta** (Guenée, 1852) (McD 3455)  
     *placata* (Grote, 1878)  
 Range.- I-V (se. U.S.: SC-FL/MS-LA)  
 Dates.- Mar-Jun  
 Hosts.- Unknown  
 8764 **anilis** (Drury, 1773) (McD 3458) **48.17**  
     *sesquistriaris* (Hübner, [1831])  
 Range.- I-III (e. U.S.: MA-FL/MN-TX)  
 Dates.- Feb-Jun, Aug-Oct  
 Hosts.- *Sabatia* sp. (Gentianaceae)  
**DORYODES** Guenée, [1858]  
     *Themma* Walker, 1863  
     *Tunza* Walker, 1863  
 8765 **bistrialis** (Geyer, 1832) (McD 3460) **48.19-20**  
     *acutaria* (Herrich-Schäffer, 1852)  
 Range.- I-VI (Atlantic/Gulf Coasts: N.S.-FL-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Spartina patens* (Gramineae)  
 8767 **spadaria** Guenée, [1858] (McD 3461) **48.18**  
     *divisa* (Walker, 1863)  
     *promptella* (Walker, 1863)  
 Range.- I-VI (se. U.S.: SC-FL/[AR]-TX)  
 Dates.- Jan-Nov  
 Hosts.- Unknown  
**SPILOLOMA** Grote, 1873  
     *Strenoloma* Grote, 1880  
 8769 **lunilinea** Grote, 1873 (McD 3595) **40.28**  
 Range.- I-II (e. U.S.: MA-FL/IL-CO-TX)  
 Dates.- Jun, Nov  
 Hosts.- *Gleditsia* sp., *G. triacanthos* (Leguminosae)  
**CATOCALA** Schrank, 1802  
     *Blepharum* Hübner, [1806], suppr. (ICZN. Op. 97)  
     *Blepharum* Hübner, 1808, suppr. (ICZN. Op. 789)  
     *Hemigeometra* Haworth, [1809]  
     *Catacola* Oken, 1815, missp.  
     *Blephara* Ochsenheimer, 1816, unavail.  
     *Ephesia* Hübner, 1818  
     *Blepharidia* Hübner, 1818, unavail.  
     *Lamprosia* Hübner, [1821]  
     *Blepharidia* Hübner, 1822  
     *Eunetis* Hübner, 1823  
     *Corisce* Hübner, [1823]  
     *Astiotes* Hübner, [1823]  
     *Mormonia* Hübner, [1823]  
     *Eucora* Hübner, [1823]  
     *Catocalla* Hübner, [1823], missp.  
     *Blepharonia* Hübner, [1825]  
     *Corisee* Walker, [1858], missp.  
     *Mormosia* Walker, [1858], missp.  
     *Andrewsia* Grote, 1882  
     *Catabapta* Hulst, 1884  
     *Andreusia* Hampson, 1913, missp.  
     *Astiodes* Forster & Wohlfahrt, 1970, missp.  
 8770 **innubens** Guenée, 1852 (McD 3311) **40.5**  
     *hinda* French, 1881  
     f. *scintillans* Grote & Robinson, 1866  
     ab. *flavidalis* Grote, 1874  
     *innubenta* (Strand, 1914)  
     Betrothed underwing  
 Range.- I-III (e. N.Am.: Ont.-FL/SD-TX)  
 Dates.- Sep (stray)  
 Hosts.- *Gleditsia* sp., *G. triacanthos* (Leguminosae)  
 8771 **piatrix** Grote, 1864 (McD 3312)  
     Penitent underwing  
 Range.- I-II (e. N.Am.: Ont.-FL/SD-TX)  
 Dates.- May-Sep  
 Hosts.- *Carya* sp., *C. illinoensis* (Juglandaceae)  
     *Juglans* sp., *J. cinerea*, *J. nigra*, *J. regia* (Juglandaceae)  
 8772 **consors** (J. E. Smith, 1797) (McD 3313) **40.10**  
     *pensacola* Reiff, 1919  
     Consort underwing  
 Range.- I-IV (e. U.S.: ME-FL/IA-TX)  
 Dates.- May-Jun  
 Hosts.- *Carya* sp., *C. floridana*, *C. glabra* (Juglandaceae)  
     ? *Lysimachia nummularia* (Primulaceae)  
     ? *Myrica* sp. (Myricaceae)  
 8773 **epione** (Drury, 1773) (McD 3314) **40.13**  
     *marginata* (Fabricius, 1775)  
     Epione underwing  
 Range.- I-III (e. N.Am.: Ont.-FL/WI-TX)  
 Dates.- Apr-Jun  
 Hosts.- *Carya* sp. (Juglandaceae)  
     *Juglans cinerea* (Juglandaceae)  
 8774 **muliercula** Guenée, 1852 (McD 3315) **40.9**  
     *peramans* Hulst, 1884  
     Little wife underwing



- Range.- I-VII (e. U.S.: CT-FL/AR-TX)  
 Dates.- Apr-Jul  
 Hosts.- *Myrica* sp., *M. cerifera* (Myricaceae)  
 8786 **sappho** Strecker, 1874 (McD 3327)  
     f. *cleis* Cassino, 1918  
     Sappho underwing
- Range.- I-VI (se. U.S.: VA-FL/IL-TX)  
 Dates.- Apr-Jul  
 Hosts.- *Carya* sp., *C. glabra*, *C. illinoensis* (Juglandaceae)  
 8787 **agrippina** Strecker, 1874 (McD 3328) **40.15**  
     f. *subviridis* Harvey, 1877  
     *barnesi* French, 1900  
     Agrippa's underwing
- Range.- I-IV (e. U.S.: NJ-FL/MO-TX)  
 Dates.- Apr-Jun, Aug-Oct  
 Hosts.- *Carya* sp., *C. aquatica* (Juglandaceae)  
 8787.1 **atocala** Brou, 1985  
     Brou's underwing
- Range.- I (Gulf Coast: FL-TX)  
 Dates.- Jun-Jul  
 Hosts.- Unknown  
 8789 **ulalume** Strecker, 1878 (McD 3330)  
     Ulalume underwing
- Range.- I-II (se. U.S.: VA-FL/IL-TX)  
 Dates.- Jun-Sep  
 Hosts.- *Carya* sp., *C. tomentosa* (Juglandaceae)  
 8790 **dejecta** Strecker, 1880 (McD 3331)  
     Dejected underwing
- Range.- I (e. U.S.: MA-FL/IL-TX)  
 Dates.- Jun  
 Hosts.- *Carya* sp. (Juglandaceae)  
 8791 **insolabilis** Guenée, 1852 (McD 3332)  
     *insolabilella* (Strand, 1914)  
     Insoluble underwing
- Range.- I-II (e. N.Am.: Ont.-FL/SD-TX)  
 Dates.- Jun-Aug  
 Hosts.- *Carya* sp., *C. glabra*, *C. tomentosa* (Juglandaceae)  
 8792 **vidua** (J. E. Smith, 1797) (McD 3333) **40.16**  
     *viduata* Guenée, 1852, missp.  
     *desperata* Guenée, 1852  
     Widows underwing
- Range.- I-II (e. N.Am.: Ont.-FL/WI-TX)  
 Dates.- May-Jun, Sep  
 Hosts.- *Carya* sp., *C. illinoensis* (Juglandaceae)  
     *Juglans nigra* (Juglandaceae)  
 8793 **maestosa** Hulst, 1884 (McD 3334) **40.17**  
     *viduata*.- auct. (not Guenée, 1852)  
     *guenei* Grote, 1887  
     *moderna* Grote, 1900  
     Sad underwing
- Range.- I-IV (e. U.S.: NY-FL/IL-TX)  
 Dates.- Jun-Nov  
 Hosts.- *Carya* sp., *C. aquatica*, *C. illinoensis* (Juglandaceae)  
     *Juglans nigra* (Juglandaceae)  
 8794 **lacrymosa** Guenée, 1852 (McD 3335)  
     f. *paulina* H. Edwards, 1880  
     f. *evelina* French, 1881  
     *emilia* H. Edwards, 1881  
     f. *zelica* French, 1881  
     f. *albomarginata* Cassino, 1917  
     *lachrymosa* Kimball, 1965, missp.  
     Tearful underwing
- Range.- I-IV (e. U.S.: MA-FL/WI-TX)  
 Dates.- Jun, Sep
- Hosts.- *Carya* sp., *C. illinoensis*, *C. ovata* (Juglandaceae)  
     ?*Juglans regia* (Juglandaceae)  
 8796 **nebulosa** W. H. Edwards, 1864 (McD 3337)  
     *ponderosa* Grote, 1866  
     Clouded underwing
- Range.- I (e. N.Am.: Ont.-FL/WI-TX)  
 Dates.- Jul-Oct  
 Hosts.- *Carya cordiformis* (Juglandaceae)  
 8798 **neogama** (J. E. Smith, 1797) (McD 3339) **40.14**  
     *communis* Grote, 1872  
     *snowiana* Grote, 1876  
     f. *mildredae* Franclemont, 1938  
     Bride underwing
- Range.- I (e. N.Am.: Que.-FL/SD-TX)  
 Dates.- Jun-Oct  
 Hosts.- *Carya* sp. (Juglandaceae)  
     *Juglans nigra*, *J. regia* (Juglandaceae)  
 8801 **ilia** (Cramer, 1776) (McD 3342) **40.20**  
     *uxor* Guenée, 1852, preocc. (not Hübner, [1800-01])  
     *duplicata* Worthington, 1883  
     f. *decorata* Worthington, 1883  
     f. *conspicua* Worthington, 1883  
     f. *obsoleta* Worthington, 1883  
     *confusa* Worthington, 1883  
     *albomaculata* Butler, 1892  
     *iliana* Strand, 1914  
     f. *normani* Bartsch, 1916  
     f. *satanas* Reiff, 1920  
     *hulstii* Reiff, 1920  
     f. *santanus* Hodges, 1983, missp.  
     Ilia underwing
- Range.- I-IV (e. N.Am.: Newfd.-FL/Man.-CO-TX)  
 Dates.- Mar-Jul  
 Hosts.- *Quercus* sp., *Q. macrocarpa*, *Q. virginiana* (Fagaceae)  
 8801.1 **umbrosa** Brou, 2002 **40.19**  
     f. *umbrosa* Worthington, 1883  
     Umber underwing
- Range.- I-IV (e. N.Am.: Que.-FL/ND-TX)  
 Dates.- Apr-Jul  
 Hosts.- *Quercus* sp. (Fagaceae)  
 8832.1 **carissima** Hulst, 1880 (McD 3372, part) **40.21**  
     *cara*.- auct., misid. (not Guenée, 1852)  
     Southern darling underwing
- Range.- I-IV (se. U.S.: MD-FL/MO-TX)  
 Dates.- Jun-Jul, Sep-Oct  
 Hosts.- *Populus* sp. (Salicaceae)  
     *Salix* sp. (Salicaceae)  
 8834 **amatrix** (Hübner, [1809-13]) (McD 3374)  
     *nurus* Walker, 1858  
     f. *selecta* Walker, 1858  
     Sweetheart underwing
- Range.- I (e. N.Am.: N.S.-FL/SD-TX)  
 Dates.- Jul  
 Hosts.- *Populus* sp., *P. deltoides*, *P. fremonti*, *P. grandidentata*, *P. nigra* var. *italica*, *P. tremuloides* (Salicaceae)  
     *Salix* sp. (Salicaceae)  
 8835 **delilah** Strecker, 1874 (McD 3375)  
     *adoptiva* Grote, 1874  
     *calphurnia* H. Edwards, 1880  
     f. *umbella* Barnes & Benjamin, 1927

- Delilah underwing  
Range.- I-II (U.S.: OH-FL/KS-UT-AZ)  
Dates.- May-Jun  
Hosts.- *Quercus* sp., *Q. macrocarpa*, *Q. virginiana* (Fagaceae)  
8843 **whitneyi** Dodge, 1874 (McD 3382)  
*whitneyi* Hampson, 1912, missp.  
*f. obscura* Draudt, 1939  
Whitney's underwing  
Range.- I-II (e. N.Am.: OH-FL/Man.-KS)  
Dates.- May, Jul-Aug  
Hosts.- *Amorpha canescens* (Leguminosae)  
*Quercus* sp. (Fagaceae)  
*Robinia* sp. (Leguminosae)  
8844 **amestris** Strecker, 1874 (McD 3383)  
*anna* Grote, 1874  
*f. westcottii* Grote, 1878  
*westcotti* auct., missp.  
Three-staff underwing  
Range.- I-III (e. U.S.: NC-FL/SD-TX)  
Dates.- May-Jun  
Hosts.- *Amorpha* sp., *A. canescens*, *A. fruticosa* (Leguminosae)  
8845 **messalina** Guenée, 1852 (McD 3384)  
*belfragiana* Harvey, 1875  
*jocasta* Strecker, 1875  
Messalina underwing  
Range.- I-III (s. U.S.: VA-FL/KS-NM)  
Dates.- May  
Hosts.- *Quercus* sp. (Fagaceae)  
8846 **sordida** Grote, 1877 (McD 3385)  
*f. metalomus* Mayfield, 1922  
*f. engelhardtii* Lemmer, 1937  
Sordid underwing  
Range.- I-II (e. N.Am.: NJ-FL/Man.-TX)  
Dates.- May-Sep  
Hosts.- *Vaccinium* sp. (Ericaceae)  
8847 **gracilis** W. H. Edwards, 1864 (McD 3386) **49.42**  
*sordida*.- auct. (not Grote, 1877)  
*tela* Strand, 1914  
*f. cinerea* Mayfield, 1922  
*f. lemmeri* Mayfield, 1923  
Graceful underwing  
Range.- I (e. N.Am.: N.S.-FL/Man.-TX)  
Dates.- May  
Hosts.- *Vaccinium* sp., *V. corymbosum*, *C. myrsinites* (Ericaceae)  
8848 **louiseae** J. Bauer, 1965 (McD --)  
*protonympha* Boisduval, 1840, nom. oblit.  
Louise underwing  
Range.- I-II (se. U.S.: FL-TX)  
Dates.- May  
Hosts.- *Vaccinium* sp., *V. arboreum*, *V. stamineum* (Ericaceae)  
8849 **andromedae** Guenée, 1852 (McD 3387) **49.43**  
Andromeda underwing  
Range.- I-IV (e. N.Am.: Que.-FL/IL-TX)  
Dates.- Apr-Jun  
Hosts.- ?*Andromeda* sp. (Ericaceae)  
*Vaccinium* sp., *V. corymbosum* (Ericaceae)  
8851 **coccinata** Grote, 1872 (McD 3389) **40.22**  
*f. circe* Strecker, 1876  
*chiquita* Bartsch, 1916  
a) **sinuosa** Grote, 1879  
Scarlet underwing  
Range.- I-III (e. N.Am.: N.S.-FL/Man.-TX) [se. subsp.]  
Dates.- May  
Hosts.- *Quercus* sp., *Q. ilicifolia*, *Q. macrocarpa* (Fagaceae)  
8855 **miranda** H. Edwards, 1881 (McD 3393)  
Miranda underwing  
Range.- I (se. U.S.: MA (stray)-FL/[AR]-TX)  
Dates.- May-Jun  
Hosts.- *Crataegus* sp. (Rosaceae)  
8856 **orba** Kusnezov, 1903 (McD 3394)  
Orb underwing  
Range.- I (se. U.S.: SC-FL/AR-TX)  
Dates.- May  
Hosts.- *Crataegus* sp. (Rosaceae)  
8857 **ultronia** (Hübner, [1823]) (McD 3395) **40.7-8**  
*mopsa* H. Edwards, 1880 **48.1**  
*f. adriana* H. Edwards, 1880  
*f. celia* H. Edwards, 1880  
*f. lucinda* Beutenmüller, 1907  
*f. nigrescens* Cassino, 1917  
Ultronia underwing  
Range.- I-IV (e. N.Am.: Que.-FL/Man.-CO-TX)  
Dates.- Mar-Jun, Oct  
Hosts.- ?*Cornus florida* (Cornaceae)  
*Malus pumila* (Rosaceae)  
*Prunus* sp., *P. domestica*, *P. ilicifolia*, *P. serotina* (Rosaceae)  
8858 **crataegi** Saunders, 1876 (McD 3396) **48.2**  
*f. pretiosa* Lintner, 1876  
Hawthorn underwing  
Range.- I-II (e. N.Am.: N.S.-FL/Man.-TX)  
Dates.- Jun-Aug  
Hosts.- *Crataegus* sp. (Rosaceae)  
*Malus pumila* (Rosaceae)  
8859 **texarkana** Brower, 1976 (McD --)  
*f. bridwelli* Brower, 1976  
Texarkana underwing  
Range.- I (se. U.S.: GA-FL/AR-TX)  
Dates.- May  
Hosts.- *Crataegus* sp. (Rosaceae)  
8860 **lincolnana** Brower, 1976 (McD --)  
Lincoln underwing  
Range.- I (se. U.S.: GA-FL/AR-TX)  
Dates.- May  
Hosts.- *Crataegus* sp. (Rosaceae)  
8863 **mira** Grote, 1876 (McD 3397) **48.3**  
Wonderful underwing  
Range.- I-II (e. N.Am.: Que.-FL/Man.-TX)  
Dates.- Apr-May  
Hosts.- *Crataegus* sp. (Rosaceae)  
8864 **grynea** (Cramer, 1780) (McD 3398)  
*polygama* Guenée, 1852  
*nuptula* Walker, 1858  
*constans* Hulst, 1884  
Woody underwing  
Range.- I (e. N.Am.: Ont.-FL/SD-TX)  
Dates.- May (stray)  
Hosts.- *Crataegus* sp. (Rosaceae)  
*Malus coronaria*, *M. pumila* (Rosaceae)  
*Prunus domestica* (Rosaceae)  
*Pyrus* sp. (Rosaceae)  
8865 **praeclara** Grote & Robinson, 1866 (McD 3399)  
Barrens underwing  
Range.- I (e. N.Am.: N.S.-FL/MN-KS)  
Dates.- May  
Hosts.- *Amelanchier* sp. (Rosaceae)  
*Aronia arbutifolia* (Rosaceae)

- ?*Crataegus* sp., *C. crusgalli* (Rosaceae)  
 8869 **alabamae** Grote, 1875 (McD 3403)  
 Alabama underwing  
 Range.- I-II (se. U.S.: SC-FL/MO-TX)  
 Dates.- May  
 Hosts.- *Crataegus* sp. (Rosaceae)  
 8869.1 **charlottae** Brou, 1988  
 Charlotte's underwing  
 Range.- I-III (Gulf Coast: [GA]/FL-LA)  
 Dates.- May-Jun  
 Hosts.- Unknown  
 8872 **clintoni** Grote, 1864 (McD 3406) **40.18**  
 Clinton's underwing  
 Range.- I-III (e. N.Am.: Ont.-FL/Man.-TX)  
 Dates.- Apr-May, Jul  
 Hosts.- *Crataegus* sp. (Rosaceae)  
*Malus pumila* (Rosaceae)  
*Prunus* sp. (Rosaceae)  
 8873 **similis** W. H. Edwards, 1864 (McD 3407) **48.4**  
*amasia* (J. E. Smith, 1797), part  
*formula* Grote & Robinson, 1866  
 f. *aholah* Strecker, 1874  
 f. *isabella* H. Edwards, 1880  
*abbreviatella*.- Kimball, 1965, misid. part  
 (not Grote, 1872)  
 Similar underwing  
 Range.- I-IV (e. N.Am.: Que.-FL/MN-TX)  
 Dates.- Mar-Jun  
 Hosts.- *Quercus* sp. (Fagaceae)  
 8874 **minuta** W. H. Edwards, 1864 (McD 3408)  
 f. *parvula* W. H. Edwards, 1864  
 f. *mellitula* Hulst, 1884  
 f. *hiseri* Cassino, 1918  
 f. *eureka* Schwarz, 1919  
 f. *obliterata* Schwarz, 1919  
 Little underwing  
 Range.- I (e. U.S.: NY-FL/SD-TX)  
 Dates.- May-Jun  
 Hosts.- *Gleditsia aquatica*, *G. triacanthos* (Leguminosae)  
 8875 **grisatra** Brower, 1936 (McD 3409)  
 Grizzled underwing  
 Range.- I-II (se. U.S.: GA-FL)  
 Dates.- May-Jun  
 Hosts.- *Crataegus* sp. (Rosaceae)  
 8876 **micronympha** Guenée, 1852 (McD 3410) **40.6**  
 f. *atarah* Strecker, 1874 **48.5-6**  
 f. *gisela* Meyer, 1880  
 f. *timandra* H. Edwards, 1880  
 f. *hero* Hulst, 1884  
*hero* H. Edwards, 1885, preocc. (Hulst, 1884)  
*abbreviatella*.- Kimball, 1965, misid. part  
 (not Grote, 1872)  
 Little nymph underwing  
 Range.- I-VII (e. N.Am.: Ont.-FL/MN-TX)  
 Dates.- Apr-Jun  
 Hosts.- *Quercus* sp., *Q. macrocarpa*, *Q. virginiana* (Fagaceae)  
 8877 **connubialis** Guenée, 1852 (McD 3411) **48.7**  
 f. *cordelia* H. Edwards, 1880  
*sancta* Hulst, 1884  
*virens* French, 1886  
 f. *pulverulenta* Brower, 1940  
 Connubial underwing  
 Range.- I-IV (e. N.Am.: N.S.-FL/IL-TX)  
 Dates.- Apr-May

- Hosts.- *Quercus* sp. (Fagaceae)  
 8878 **amica** (Hübner, 1818) (McD 3412) **48.8**  
*androphila* Guenée, 1852  
 f. *nerissa* H. Edwards, 1880  
 f. *suffusa* Beutenmüller, 1903  
*aurantiaca* Reiff, 1916  
 Friendly underwing  
 Range.- I-IV (e. N.Am.: Ont.-FL/SD-TX)  
 Dates.- Apr-Jul  
 Hosts.- *Quercus* sp., *Q. macrocarpa* (Fagaceae)  
 8878.1 **lineella** Grote, 1872  
*novangliae* Reiff, 1916  
*amica* f. *melanotica* Reiff, 1916  
*amica* f. *curvifascia* Brower, 1936  
 Lined underwing  
 Range.- I-IV (se. U.S.: SC-FL/AR-TX)  
 Dates.- Apr-Jul  
 Hosts.- *Quercus* sp. (Fagaceae)  
 8879 **jair** Strecker, 1897 (McD 3413)  
 Jair underwing  
 Range.- II-IV (Atlantic Coast: NJ?-FL)  
 Dates.- May-Jun  
 Hosts.- *Quercus* sp. *Q. incana*, *Q. myrtifolia* (Fagaceae)

## PLUSIINAE

### ABROSTOLINI

- MOURALIA** Walker, 1858  
 8884 **tinctoides** (Guenée, 1852) (McD 3310) T **49.41**  
*annulifera* Walker, 1858  
*cossoides* (Rothschild, 1917)  
 Range.- I-VII (s. U.S.: GA-FL/AL-CA; West Indies; Mex.-Brazil)  
 Dates.- Jan-Dec  
 Hosts.- *Rhoeo spathecea* (Commelinaceae)  
*Tradescantia fluminensis* (Commelinaceae)  
*Zebrina pendula* (Commelinaceae)

### ARGYROGRAMMATINI

- ARGYROGRAMMA** Hübner, 1823  
*Plusia*.- Forbes, 1954, part (not Ochsenheimer, 1816)  
 8885 **verruca** (Fabricius, 1794) (McD 3268) T **49.35**  
*omicron* (Hübner, [1821])  
*omega* Hübner, 1823  
*rutila* (Walker, 1865)  
 Golden looper  
 Range.- I-VII (e. U.S.: ME-FL/IL-CO-TX; West Indies; Mex.-Brazil)  
 Dates.- Jan-Dec  
 Hosts.- *Calendula* sp., *C. officinalis* (Compositae)  
*Ocimum basilicum* (Labiatae)  
*Polygonum punctatum*, *P. setaceum* (Polygonaceae)  
*Sagittaria* sp. (Alismataceae)  
*Zea mays* (Gramineae)  
**ENIGMOGRAMMA** Lafontaine & Poole, 1991  
 8886 **basigera** (Walker, 1865) (McD 3270) **49.31**  
*laticlavata* (Morrison, 1872)  
 Range.- I-VI (e. U.S.: ME-FL/IL-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Hydrocotyle umbellata* (Umbelliferaeae)

**TRICHOPLUSIA** McDunnough, 1944

*Plusia*.– Forbes, 1954, part (not Ochsenheimer, 1816)

*Diachrysis*.– auct., part (not Hübner, [1821])

8887 **ni** (Hübner, [1800-03]) (McD 3269) **49.37**

*humilis* (Walker, 1858)

*extahens* (Walker, 1858)

*significans* (Walker, 1858)

*innata* (Herrich-Schäffer, 1868)

*brassicae* (Riley, 1870)

*echinocystidis* (Strecker, 1874)

ab. *comma* (Schultz, 1907)

*deserticola* (Oberthür, 1913)

ab. *u-notata* (Strand, 1917)

f. *florida* (Danneh, 1929)

Cabbage looper

Range.– I-VIII (Holarctic; West Indies; Mex.- Argentina)

Dates.– Jan-Dec

Hosts.– *Ageratum conyzoides* (Compositae)

*Althaea rosea* (Malvaceae)

*Antirrhinum* (Scrophulariaceae)

*Aphelandra* sp. (Acanthaceae)

*Apium graveolens*, *A. graveolens* var. *dulce* (Umbelliferae)

*Arachis hypogaea* (Leguminosae)

*Argemone platyceras* var. *hispida* (Papaveraceae)

*Asparagus officinalis* (Liliaceae)

*Aster* sp. (Compositae)

*Beta vulgaris* (Chenopodiaceae)

*Brassica actinophylla* (Araliaceae)

*Brassica hirta*, *B. nigra*, *B. oleracea*, *B. oleracea* var. *cephala*, *B. oleracea* var. *botrytis*, *B. oleracea* var. *avirdis*, *B. rapa*, *B. rapa* 'Pekinensis' Group (Cruciferae)

*Calendula officinalis* (Compositae)

*Chaenactis stevioides* (Compositae)

*Chenopodium album* (Chenopodiaceae)

*Chrysanthemum* sp. (Compositae)

*Citrullus vulgaris* (Cucurbitaceae)

*Coleus* sp., *C. japonica* (Labiatae)

*Crepis* sp. (Compositae)

*Cucumis melo*, *C. sativus* (Cucurbitaceae)

*Cycyrbuta naxuna* (Cucurbitaceae)

*Cydonia japonica* (Rosaceae)

*Daucus carota* (Umbelliferae)

*Dianthus caryophyllus* (Caryophyllaceae)

*Dracaena marginata* (Agavaceae)

*Eriodion* sp., *E. cicutarium* (Geraniaceae)

*Eschscholzia californica* (Papaveraceae)

*Geranium* sp. (Geraniaceae)

*Gerbera jamesonii* (Compositae)

*Gladiolus* sp. (Iridaceae)

*Gossypium herbaceum*, *G. hirsutum* (Malvaceae)

*Gypsophila* sp. (Caryophyllaceae)

*Lactuca canadensis*, *L. sativa* (Compositae)

*Lathyrus odoratus* (Leguminosae)

*Lupinus hirsutus* (Leguminosae)

*Lycopersicon esculentum* (Solanaceae)

*Malva* sp. (Malvaceae)

*Medicago sativa* (Leguminosae)

*Mentha* sp. (Labiatae)

*Nasturtium officinale* (Cruciferae)

*Nicotiana glauca*, *N. tabacum*, *N. trigonophylla* (Solanaceae)

*Ocimum basilicum* (Labiatae)

*Pectis papposa* (Compositae)

*Pelargonium hortorum* (Geraniaceae)

*Peperomia* sp., *P. obtusifolia* (Piperaceae)

*Petunia hybrida* (Solanaceae)

*Phaseolus vulgaris* (Leguminosae)

*Philodendron cordatum*, *P. pertusum* (Araceae)

*Pisum sativum* (Leguminosae)

*Plantago* sp. (Plantaginaceae)

*Raphanus sativus* (Cruciferae)

*Reseda odorata* (Resedaceae)

*Rhododendron* sp. (Ericaceae)

*Rumex* sp. (Polygonaceae)

*Senecio cruentus*, *S. mikanioides* (Compositae)

*Smilax rotundifolia* (Smilacaceae)

*Solanum melongena* var. *esculentum*, *S. tuberosum* (Solanaceae)

*Spathiphyllum* sp. (Araceae)

*Spinacia oleracea* (Chenopodiaceae)

*Taraxacum officinale* (Compositae)

*Tetrapanax papyriferus* (Araliaceae)

*Trifolium* sp. (Leguminosae)

*Tropaeolum majus* (Cruciferae)

*Vigna sinensis* (Leguminosae)

**CTENOPLUSIA** Dufay, 1970

*Agrapha*.– auct. (not Hübner, [1821])

*Plusia*.– Forbes, 1954, part (not Ochsenheimer, 1816)

*Acanthoplusia* Dufay, 1970

8889 **oxygramma** (Geyer, 1832) (McD 3277) **49.38**

*indigna* (Walker, 1858)

*parallela* (Walker, 1858)

*collateralis* (Herrich-Schäffer, 1868)

Range.– I-VI (N.Am.: Ont.-FL/IL-CA; Mex.-Arg.)

Dates.– Apr-Dec

Hosts.– *Aster* sp. (Compositae)

*Erigeron canadensis* (Compositae)

*Nicotiana tabacum* (Solanaceae)

*Solidago* sp. (Compositae)

**PSEUDOPPLUSIA** McDunnough, 1944

*Plusia*.– Forbes, 1954, part (not Ochsenheimer, 1816)

8890 **includens** (Walker, 1858) (McD 3280) T **49.39**

*oo* (Cramer, 1782), preocc. (not Linnaeus, 1758)

*rogationis*.– auct. (not Guenée, 1852)

*hamifera* (Walker, [1858])

*binotula* (Herrich-Schäffer, 1868)

*dyaus* (Grote, 1875)

*pertusa* (Möschler, 1880)

*culta* (Lintner, 1885)

ab. *oonana* (Strand, 1917)

*oonana* Franclemont & Todd, 1983, missp.

Soybean looper

Range.– I-VI (e. N.Am.: N.S.-FL/IL-CA; West Indies; Mex.-Brazil)

Dates.– Jan-Dec

Hosts.– *Abelmoschus esculentus* (Malvaceae)

*Allium sativum* (Liliaceae)

*Apium graveolens* var. *dulce* (Umbelliferae)

*Brassica oleracea* (Cruciferae)

*Cajanus cajan* (Leguminosae)

*Chrysanthemum morifolium* (Compositae)

*Citrullus* sp. (Cucurbitaceae)

*Cyphomandra betacea* (Solanaceae)

*Eupatorium* sp. (Compositae)  
*Geranium* sp. (Geraniaceae)  
*Glycine max* (Leguminosae)  
*Helianthus annuus* (Compositae)  
*Ipomoea batatas* (Convolvulaceae)  
*Ixora* sp. (Rubiaceae)  
*Lycopersicon esculentum* (Solanaceae)  
*Nasturtium officinale* (Cruciferae)  
*Pelargonium* sp., *P. hortorum* (Geraniaceae)  
*Peperomia* sp., *P. obtusifolia* (Piperaceae)  
*Phaseolus* sp., *P. vulgaris* (Leguminosae)  
*Saintpaulia* sp. (Gesneriaceae)  
*Solanum tuberosum* (Solanaceae)  
*Vigna* sp. (Leguminosae)  
*Zebrina pendula* (Commelinaceae)

## PLUSIINI

## AUTOPLUSIINA

## AUTOPLUSIA McDunnough, 1944

- Plusia*.– Forbes, 1954, part (not Ochsenheimer, 1816)  
 8891 **egena** (Guenée, 1852) (McD 3267) T **49.33**  
*galapagensis* (Schaus, 1913)  
 Bean-leaf skeletonizer  
 Range.– I-VI (FL; TX; West Indies; Mex.-Brazil)  
 Dates.– Mar-Jul, Sep-Oct, Dec  
 Hosts.– *Chrysanthemum morifolium* (Compositae)  
*Glycine max* (Leguminosae)  
*Lycopersicon esculentum* (Solanaceae)  
*Phaseolus* sp., *P. vulgaris* (Leguminosae)

## NOTIOPLUSIA Lafontaine &amp; Poole, 1991

- 8894 **illustrata** (Guenée, 1852) (McD 3267.1) T **49.34**  
*egenella* (Herrich-Schäffer, 1868)  
*abeona* (Druce, 1889)  
*roxana* (Druce, 1894)  
 Range.– III-VIII (FL; TX; West Indies; Mex.-S. Am.)  
 Dates.– Jan-Jun, Aug-Dec  
 Hosts.– *Bidens* sp. (Compositae)  
*Lantana camara* (Verbenaceae)

## RACIPLUSIA Hampson, 1913

- Plusia*.– Forbes, 1954, part (not Ochsenheimer, 1816)  
 8895 **ou** (Guenée, 1852) (McD 3289) T **49.40**  
*tentaculum* (Guenée, 1852)  
*fratella* (Grote, 1874)  
*pedalis* (Grote, 1875)  
 ab. *ouella* (Strand, 1917)  
 ab. *ouana* (Strand, 1917)  
 Lesser soybean looper  
 Range.– I-VIII (N.Am.: N.S.-FL/OR-CA; West Indies; Mex.-S. Am.)  
 Dates.– Jan-Dec  
 Hosts.– *Cestrum diurnum* (Solanaceae)  
*Chenopodium ambrosioides* (Chenopodiaceae)  
*Cosmos* sp. (Compositae)  
*Mentha* sp. (Labiatae)  
*Nicotiana tabacum* (Solanaceae)  
*Phaseolus vulgaris* (Leguminosae)  
*Trifolium* sp. (Leguminosae)  
*Triticum aestivum* (Gramineae)  
*Tropaeolum* sp. (Cruciferae)  
*Xanthium* sp. (Compositae)

*Zea mays* (Gramineae)

## DIACHRYSLA Hübner, [1821]

- Dyachrysia* Geyer, 1832, missp.  
*Plusia*.– auct. (not Ochsenheimer, 1816)  
 8897 **balluca** Geyer, 1832 (McD 3297)  
 Range.– I (e. N.Am.: N.S.-[NC](FL?)/Man.-ND)  
 Dates.– May (stray)  
 Hosts.– *Humulus lupulus* (Cannabidaceae)  
*Laportea canadensis* (Urticaceae)  
*Populus* sp. (Salicaceae)  
*Rubus* sp. (Rosaceae)

## ALLAGRAPHA Franclemont, 1964

- Agropha*.– auct. (not Hübner, 1821)  
*Plusia*.– auct., part (not Ochsenheimer, 1816)  
 8898 **aerea** (Hübner, [1802-03]) (McD 3296) **54.28**  
 Range.– I-II (e. N.Am.: N.S.-FL/Alb.-NM)  
 Dates.– Jul, Sep  
 Hosts.– *Aster umbellatus* (Compositae)  
*Glycine max* (Leguminosae)  
*Lycopersicon esculentum* (Solanaceae)  
*Musa* sp. (Musaceae)  
*Urtica* sp. (Urticaceae)

## EXYRA Grote, 1875 [moved from Acontiinae, 9021-9024]

- 8905.1 **fax** (Grote, 1873) (McD 3106/3107)  
*rolandiana* (Grote, 1877)  
 Range.– I (e. N.Am.: Nfld.-FL/Man.-AL)  
 Dates.– May?  
 Hosts.– *Sarracenia purpurea* (Sarraceniaceae)  
 8905.2 **ridingsii** (Riley, 1874) (McD 3108)  
*nigrocaput* (Morrison, 1874)  
*ridingsi* Hampson, 1910, emend.  
 Range.– I (se. U.S.: NC-FL/KY-MS)  
 Dates.– Jun  
 Hosts.– *Sarracenia flava* (Sarraceniaceae)  
 8905.3 **semicrocea** (Guenée, 1852) (McD 3109) **49.10**  
 f. *hubbardiana* Dyar, 1904  
 ab. *immaculata* Benjamin, 1922  
 f. *immaculata* McDunnough, 1938  
 Range.– I-IV (e. U.S.: NJ-FL/KY-TX)  
 Dates.– Feb, Apr-May, Jul-Aug  
 Hosts.– *Sarracenia drummondii*, *S. flava*, *S. minor*, *S. psittacinam*, *S. rubra*, *S. sledgei* (Sarraceniaceae)

## PLUSIINA

## MEGALOGRAPHIA Lafontaine &amp; Poole, 1991

- Autographa*.– auct. (not Hübner, [1821])  
 8907 **biloba** (Stephens, 1830) (McD 3279)  
 ab. *venezuelensis* (Strand, 1917)  
 Range.– I-VI (N.Am.: Que.-FL/MT-CA; Mex.-S. Am.)  
 Dates.– Jan-Dec  
 Hosts.– *Centaurea solstitialis* (Compositae)  
*Cirsium horridulum* (Compositae)  
*Helianthus* sp. (Compositae)  
*Lactuca sativa* (Compositae)

## ANAGRAPHIA McDunnough, 1944

- Plusia*.– Forbes, 1954, part (not Ochsenheimer, 1816)  
 8924 **falcifera** (Kirby, 1827) (McD 3252) T **49.32**  
*norma* (Hübner, [1821]), suppr. (ICZN)

- f. *simplex* (Guenée, 1852)  
*falcigera* (Walker, 1858), missp.  
*simplicima* (Ottolengui, 1902)  
 Celery looper  
 Range.- I-VI (N.Am.: N.S.-FL/B.C.-CA; West Indies;  
 Mex.-S. Am.)  
 Dates.- Jan-Dec  
 Hosts.- *Althaea rosea* (Malvaceae)  
*Apium graveolens* (Umbelliferae)  
*Arctium lappa* (Compositae)  
*Beta vulgaris* (Chenopodiaceae)  
*Brassica oleracea* (Cruciferae)  
*Cirsium* sp. (Compositae)  
*Daucus carota* var. *sativus* (Umbelliferae)  
*Lactuca sativa* (Compositae)  
*Phaseolus vulgaris* (Leguminosae)  
*Plantago* sp. (Plantaginaceae)  
*Taraxacum officinale* (Compositae)  
*Vaccinium macrocarpum* (Ericaceae)

## EUTELIINAE

- MARATHYSSA** Walker, 1865  
*Marasmalus* Grote, 1872  
*Schazama* Schaus, 1906  
 8955 **inficita** (Walker, 1865) (McD 3223) **49.23**  
*histrion* (Grote, 1873)  
 Range.- I-VI (N.Am.: Que.-FL/B.C.-CA; Mex.)  
 Dates.- Mar-Oct  
 Hosts.- *Rhus* sp., *R. typhina* (Anacardiaceae)  
 8956 **basalis** Walker, 1865 (McD 3222) **49.22**  
*ventilator* (Grote, 1872)  
 Range.- I-VI (e. N.Am.: Ont.-FL/IL-CO-TX)  
 Dates.- Jan-May, Jul-Sep  
 Hosts.- *Rhus* sp., *R. toxicodendron* (Anacardiaceae)  
*Tsuga canadensis* (Pinaceae)  
*Ulmus* sp. (Ulmaceae)  
**PAECTES** Hübner, 1818  
*Ingura* Guenée, 1852  
*Adrana* Walker, 1858  
*Orthoclostera* Butler, 1878  
*Callingura* Butler, 1894  
 8957 **oculatrix** (Guenée, 1852) (McD 3225) **49.24**  
 Range.- I-VI (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- Jan-May, Aug  
 Hosts.- *Rhus radicans* (Anacardiaceae)  
 8959 **pygmaea** Hübner, 1818 (McD 3228)  
*abrostolella*.- auct. (not Walker, 1866)  
*abrostoloides*.- Walker, 1866 (not Guenée,  
 1852)  
*praepilata*.- auct. (not Grote, 1875)  
*flabella* (Grote, 1879)  
 Range.- I-VI (e. U.S.: MA-FL/KS-TX)  
 Dates.- Feb-May  
 Hosts.- *Liquidambar styraciflua* (Hamamelidaceae)  
 8959.1 **abrostolella** (Walker, 1866) (McD 3228, part)  
*praepilata* (Grote, 1875)  
*flabella*.- auct. (not Grote, 1879)  
 Range.- I-VI (N.Am.: MI-FL/MT-CA)  
 Dates.- Mar-Apr, Sep  
 Hosts.- Unknown  
 8960 **burserae** (Dyar, 1901) (McD 3227) T **49.25**  
*lunodes*.- Grossbeck, 1917 (not Guenée,  
 1852)  
 Range.- IV-VIII (FL; West Indies)

- Dates.- Jan-Dec  
 Hosts.- *Bursera simaruba* (Burseraceae)  
 8960.1 **lunodes** (Guenée, 1852) (McD --) T  
 Range.- VI (FL; West Indies/Honduras-Brazil)  
 Dates.- Apr-May  
 Hosts.- Unknown  
 8962 **abrostoloides** (Guenée, 1852) (McD 3230) **49.26**  
*producta* (Walker, 1855)  
 Range.- I-VI (e. U.S.: MA-FL/IL-TX)  
 Dates.- Feb-May, Jul-Sep, Dec  
 Hosts.- *Liquidambar styraciflua* (Hamamelidaceae)  
 8964 **acutangula** Hampson, 1912 (McD 3232) T **54.22**  
 Range.- VI (FL; West Indies)  
 Dates.- Apr-Sep, Nov  
 Hosts.- Unknown  
 8965 **nubifera** Hampson, 1912 (McD 3233) T **49.27**  
*devincta*.- Grossbeck, 1917 (not Walker,  
 1858)  
 Range.- I-VIII (Gulf Coast: [GA]/FL-TX; West Indies;  
 [Mex.])  
 Dates.- Mar-Dec  
 Hosts.- Unknown  
 8966 **obrotunda** (Guenée, 1852) (McD 3232.2) T **54.23**  
 Range.- IV-VIII (FL; West Indies)  
 Dates.- Apr, Jun, Aug-Sep, Nov-Dec  
 Hosts.- Unknown  
 8967 **arcigera** (Guenée, 1852) (McD 3232.1) T  
*nana* (Walker, 1865)  
*murina* (Druce, 1899), part  
 Range.- III-VI (FL; West Indies)  
 Dates.- Jan-Apr, Jun-Aug  
 Hosts.- Unknown

## EUTELIA Hübner, [1823]

- Eutesia* Hübner, [1826], missp.  
*Eurhipia* Boisduval, 1828  
*Penicillaria* Guenée, 1852  
*Eleale* Walker, preocc. (Newman, 1841)  
*Ripogenus* Grote, 1865  
*Phalga* Moore, 1881  
*Zobia* Saalmüller, 1891  
*Targallodes* Holland, 1894  
*Alotsa* Swinhoe, 1900  
*Atacira* Swinhoe, 1900  
*Silacida* Swinhoe, 1900  
*Entelia* Lower, 1901, missp.  
*Tamseale* Nye, 1975  
 8968 **pulcherrima** (Grote, 1865) (McD 3220) **49.21**  
*dentifera* Walker, 1865  
 Range.- I-II (e. U.S.: MA-FL/IL-AZ; Mex.)  
 Dates.- Mar-May  
 Hosts.- *Rhus vernix* (Anacardiaceae)  
 8968.1 **furcata** (Walker, 1865) (McD 3221/3221.1) T  
*distracta* Walker, 1865  
*nattereri* Druce, 1898  
*pyrastis* Hampson, 1905  
 Range.- III-VIII (FL; TX; [Mex.])  
 Dates.- Apr-May  
 Hosts.- Unknown

## SARROTHRIPINAE

## RISOBINI

- BAILEYA** Grote, 1895  
*Leptina* Guenée, 1852, preocc. (not Meigen,

- 1830)  
*Bayleya* Lucas, 1900, missp.  
 8969 **doubledayi** (Guenée, 1852) (McD 3238)  
 Range.- I (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Mar-Apr, Jul  
 Hosts.- *Alnus* sp. (Betulaceae)  
 8970 **ophthalmica** (Guenée, 1852) (McD 3239)  
 Range.- I-II (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Mar-Apr  
 Hosts.- *Betula* sp. (Betulaceae)  
*Ostrya virginiana* (Betulaceae)  
 8971 **dormitans** (Guenée, 1852) (McD 3241)  
*latebricola* (Grote, 1863)  
 Range.- I (e. N.Am.: Que.-FL/WI-TX)  
 Dates.- Aug  
 Hosts.- *Carya* sp. (Juglandaceae)  
*Ostrya virginiana* (Betulaceae)  
 8971.1 [**n. sp.**]  
 Range.- I-II (se. U.S.: NC-FL/MO-TX)  
 Dates.- Mar-Apr  
 Hosts.- Unknown  
 8972 **levitans** (J. B. Smith, 1906) (McD 3242)  
 Range.- I-II (e. N.Am.: Ont.-FL/MI-TX)  
 Dates.- Apr-May, Jul  
 Hosts.- Unknown  
 8973 **australis** (Grote, 1881) (McD 3240)  
 Range.- I (e. N.Am.: Ont.-FL/KS-TX)  
 Dates.- Jul  
 Hosts.- Unknown

## AFRIDINI

- AFRIDA** Möschler, 1886 [moved from Arctiidae, 8102]  
*Aresia* Barnes & McDunnough, 1913  
 8973.1 **ydatodes** Dyar, 1913 (McD 931) **39.15**  
*parva* (Barnes & McDunnough, 1913)  
 Range.- I-VIII (se. U.S.: GA-FL/TX)  
 Dates.- Jan-Dec  
 Hosts.- Unknown

- COMACHARA** Franclemont, 1939 [moved from Arctiidae, 8104]  
 8973.3 **cadburyi** Franclemont, 1939 (McD 3234.1) **54.26**  
 Range.- I-II (e. U.S.: MA-FL/MO-TX)  
 Dates.- Feb-May  
 Hosts.- Unknown

## SARROTHRIPINI

- CHARACOMA** Walker, 1863  
*Corticata* Walker, 1864  
*Paraxia* Möschler, 1890  
*Hypothripa* Hampson, 1894  
 8974 **nilotica** (Rogenhofer, 1881) (McD 3234) T **54.24-25**  
*chamaeleon* (Möschler, 1890)  
*littora* (Bethune-Baker, 1894)  
*proteella* (Walsh, 1898)  
*laurea* (Druce, 1898)  
*nigrinotata* Warren, 1913  
*nigrimacula* Warren, 1913  
*basibrunnea* Warren, 1913  
*submediana* Strand, 1917  
*albifascia* Draudt, 1939  
 Black olive caterpillar  
 Range.- I-VIII (e. U.S.: NY-FL/AR-TX; West Indies; Mex.-

- S. Am.; Old World tropics)  
 Dates.- Feb-Nov  
 Hosts.- *Bucida buceras* (Combretaceae)  
*Conocarpus erectus* (Combretaceae)  
*Rhododendron* sp. (Ericaceae)  
*Salix* sp. (Salicaceae)  
**NYCTEOLEA** Hübner, 1822  
*Sarrothripus* Curtis, 1824  
*Axia* Hübner, [1825], preocc. (not Hübner, [1821])  
*Sarrothripa* Duponchel, 1834, missp.  
*Sarrothripus* Agassiz, 1846, emend.  
*Subrita* Walker, 1866  
*Sarrothripa* Rogenhofer, 1882, missp.  
*Sarrothricha* Meyrick, 1888, emend.  
*Icasma* Turner, 1902  
 8975 **frigidana** (Walker, 1863) (McD 3235) **49.28**  
*favillana* (Walker, 1863)  
*latifasciella* (Walker, 1866)  
*lintnerana* (Speyer, 1875)  
 Range.- I (N.Am.: Newfd.-FL/B.C.-TX)  
 Dates.- Jan-Mar  
 Hosts.- *Populus* sp. (Salicaceae)  
*Salix* sp. (Salicaceae)

## COLLOMENINI

- MOTYA** Walker, 1859  
*Lussa* Grote, 1883  
*Pleurasympieza* Möschler, 1890  
*Casandria*.- auct., part (not Walker, 1857)  
 8981 **abseuzalis** Walker, 1859 (McD 3236) T **49.29**  
*nigroguttata* (Grote, 1883)  
*smithii* (Möschler, 1890)  
*tumidicosta* (Hampson, 1898)  
 Range.- III-VIII (FL; West Indies)  
 Dates.- Feb-Nov  
 Hosts.- *Conocarpus erectus* (Combretaceae)

- COLLOMENA** Möschler, 1890  
*Casandria*.- auct., part (not Walker, 1857)  
 8982 **filifera** (Walker, 1857) (McD 3237) T **49.30**  
*inflexa* (Morrison, 1875)  
*elota* Möschler, 1890  
 Range.- II-VIII (GA-FL; West Indies)  
 Dates.- Jan-Dec  
 Hosts.- Unknown

## NOLINAE

- RHYNCHOPALPUS** Hampson, 1893  
*Meganola* Dyar, 1898  
*Sarbenia*.- auct. (not Walker, 1862)  
 8983 **minuscule** (Zeller, 1872) (McD 897)  
 Range.- I-IV (e. N.Am.: N.S.-FL/IL-TX)  
 Dates.- Jan-Feb, Apr-May, Jul-Sep  
 Hosts.- *Quercus* sp. (Fagaceae)  
*Salix* sp. (Salicaceae)  
 8983.1 **phylla** (Dyar, 1898) (McD 897, part)  
 Range.- I-IV (se. N.Am.: SC-FL/TX)  
 Dates.- ?Jan-Feb, Apr-May, Jul-Sep  
 Hosts.- *Quercus* sp. (Fagaceae)  
*Salix* sp. (Salicaceae)

**NOLA** Leach, 1815*Roeselia* Hübner, [1825]*Celama* Walker, 1865*Lebena* Walker, 1866*Argyrophyes* Grote, 18738989 **pustulata** (Walker, 1865) (McD 887)*nigrofasciata* Zeller, 1872*obaurata* (Morrison, 1874)

Range.- I-II (e. N.Am.: MA-FL/MO-TX)

Dates.- May-Jul

Hosts.- Unknown

8990 **cilicoides** (Grote, 1873) (McD 888)

Range.- I (e. N.Am.: N.S.-FL/Man.-TX)

Dates.- May-Jun

Hosts.- Unknown

8991 **cereella** (Bosc, [1800]) (McD 889) T*sorghiella* Riley, 1882*portoricensis* Möschler, 1890

Sorghum webworm

Range.- I-VI (e. U.S.: NY-FL/IL-TX; West Indies; Mex.-S. Am.)

Dates.- Feb-Nov

Hosts.- *Cladium jamaicensis* (Cyperaceae)*Eleusine coracana* (Gramineae)*Pennisetum purpureum* (Gramineae)*Secale cereale* (Gramineae)*Sorghum vulgare*, *S. bicolor* (Gramineae)*Spartina alterniflora* (Gramineae)*Zea mays* (Gramineae)8992 **triquetrana** (Fitch, 1856) (McD 890)*trinotata* (Walker, 1866)*sexmaculata* Grote, 1877

Range.- I-III (e. N.Am.: N.S.-FL/IL-TX)

Dates.- Feb, Apr

Hosts.- *Hamamelis virginiana* (Hamamelidaceae)8995 **ovilla** Grote, 1875 (McD 892)

Range.- I-II (e. U.S.: Que.-FL/WI-TX)

Dates.- Mar-Apr

Hosts.- *Quercus* sp., *Q. macrocarpa* (Fagaceae)8997 **lagunculariae** Dyar, 1901 (McD 895) T*obliquata* (Barnes & McDunnough, 1913)

Range.- III-VIII (FL; West Indies)

Dates.- Jan-May, Aug, Nov-Dec

Hosts.- *Laguncularia racemosa* (Combretaceae)**ACONTIINAE****CYDOSIINI****CYDOSIA** Westwood, 1841 (in Duncan)*Eggyna* Walker, 1866*Penthtria* H. Edwards, 1881, preocc. (Meigen, 1803)*Tantura* Kirby, 18928999 **aurivitta** Grote & Robinson, 1868 (McD 3115) Tf. *imitella* Stretch, 1873f. *majuscula* H. Edwards, 1881

Range.- VI (FL; West Indies/TX-C. Am.)

Dates.- Aug (stray)

Hosts.- Unknown

9000 **nobilitella** (Cramer, 1780) (McD 3114) T*histrion* (Fabricius, 1781)*nobilis* (Hübner, [1819]), emend.*submutata* (Walker, 1866)*hilarella* (Snellen, 1878)*cyanella* Guenée, 1879*jamaicensis* Cockerell, 1896*westwoodi* Druce, 1897

Range.- VIII (FL; West Indies)

Dates.- Mar-Apr, Jun-Nov

Hosts.- Unknown

9001 **curvinella** Guenée, 1879 (McD 3114.1) T*chalybella* Guenée, 1879*phaedra* Druce, 1897

Range.- VIII (FL; TX; West Indies; Mex.-S. Am.)

Dates.- (stray)

Hosts.- Unknown

**EUSTROTIINI****39.14** **TRIPUDIA** Grote, 1877*Cobubatha*.- auct. (not Walker, 1863)9003 **quadrifera** (Zeller, 1874) (McD 3084) T**54.15**

Range.- I-VI (e. U.S.: MD-FL/IL-TX; West Indies; Mex.-Brazil)

Dates.- Mar-Aug

Hosts.- *Psophocarpus tetragonolobus* (Leguminosae)9004 **grapholithoides** (Möschler, 1890) (McD --) T

Range.- VIII (FL; West Indies)

Dates.- Mar-Jun, Oct

Hosts.- Unknown

9006 **luda** (Druce, 1898) (McD 3080) T

Range.- VIII (FL; TX; West Indies; Mex.-?Argentina)

Dates.- Apr, Jun

Hosts.- Unknown

9009 **flavofasciata** Grote, 1877 (McD 3079)**54.13**

Range.- I-II (se. U.S.: SC-FL/MS-TX)

Dates.- Jul-Aug

Hosts.- Unknown

9010 **versuta** (H. Edwards, 1881) (McD 3078.1/3079, part) T*goyanensis* (Hampson, 1910)*olivacea* (Grossbeck, 1917)

Range.- I-VIII (se. U.S.: GA-FL/AR-TX; West Indies; Mex.-Argentina)

Dates.- Feb, Apr-May

Hosts.- Unknown

**COBUBATHA** Walker, 1863*Nerastris* McDunnough, 19379012 **metaspilaris** Walker, 1863 (McD 3078.2) T*signiferana* (Walker, 1865)*numa*.- Kimball, 1965 (not Druce, 1889)

Range.- III-VIII (FL; TX; West Indies; [Mex.])

Dates.- Apr-May, Sep-Nov

Hosts.- Unknown

9012.1 **punctifinis** Hampson, 1910 (McD --) T

Range.- VIII (FL; Bahamas)

Dates.- Jun

Hosts.- Unknown

9013 **numa** (Druce, 1889) (McD --) T**54.14**

Range.- VIII (FL; West Indies; Mex.-Colombia)

Dates.- Jun

Hosts.- Unknown

**50.28** [EXYRA Grote, 9021-9024: moved to Plusiinae, p. 444]

[9021 fax (Grote): see 8905.1, p. 444]

[9023 nigrocaput (Morrison): see 8905.2, p. 444]

[9024 semicrocea (Guenée): see 8905.3, p. 444]



**ORUZA** Walker, 1862*Curvatula* Staudinger, 1892*Vittapressa* Bethune-Baker, 1906*Vittapressa* Neave, 1940, missp.9025 **albocostaliata** (Packard, 1876) (McD 3074)

Range.- I-IV (e. U.S.: MA-FL/IL-TX)

Dates.- Feb-Jul, Oct

Hosts.- Unknown

**OZARBA** Walker, 1865*Acontiola* Staudinger, 19009030 **aeria** (Grote, 1881) (McD 3086)*fannia*.- Barnes & McDunnough, 1913 (not Druce, 1889)

Range.- I (se. U.S.: VA-FL/MO-TX)

Dates.- Jul-Aug, Oct

Hosts.- *Cuphea* sp. (Lythraceae)*Jacobinia* sp. (Acanthaceae)9033 **nebula** Barnes & McDunnough, 1918 (McD 3087)

Range.- I-VI (se. U.S.: SC-FL/MS-TX)

Dates.- Jan, Mar-Dec

Hosts.- Unknown

**HYPERSTROTIA** Hampson, 1910*Protocryphia* Barnes & McDunnough, 19189035 **nana** (Hübner, 1818) (McD 3098)

Range.- I-IV (se. U.S.: GA-FL/AL)

Dates.- Mar-Aug, Oct

Hosts.- Unknown

9036 **aetheria** (Grote, 1879) (McD 3098, part)

Range.- I-IV (Gulf Coast: [GA]/FL-TX)

Dates.- Mar-Aug

Hosts.- Unknown

9037 **pervertens** (Barnes & McDunnough, 1918) (McD 3099)

Range.- I (e. N.Am.: N.S.-FL/KY-TX)

Dates.- Jun, Aug

Hosts.- *Ulmus americana* (Ulmaceae)*Quercus macrocarpa* (Fagaceae)9038 **villificans** (Barnes & McDunnough, 1918) (McD 3100)

Range.- I (e. N.Am.: N.S.-FL/KY-TX)

Dates.- Jun-Aug

Hosts.- *Ulmus americana* (Ulmaceae)9039 **flaviguttata** (Grote, 1882) (McD 3101)

Range.- I-IV (e. U.S.: MA-FL/MO-TX)

Dates.- Feb-Apr, Jun, Aug-Oct

Hosts.- ?*Quercus* sp. (Fagaceae)9040 **secta** (Grote, 1879) (McD 3102)

Range.- I (e. N.Am.: Ont.-FL/MO-TX)

Dates.- Jun

Hosts.- *Quercus alba*, *Q. falcata*, *Q. rubra* (Fagaceae)**THIOPTERA** Franclemont, 1950*Xanthoptera* Guenée, 1852, preocc. (Sodoffsky, 1837)*Flavala* Berio, 19669044 **nigrofimbria** (Guenée, 1852) (McD 3113)

Range.- I-VII (e. U.S.: MA-FL/IL-TX)

Dates.- Mar-Nov

Hosts.- *Digitaria ischaemum* (Gramineae)*Ipomoea sigitata* (Convolvulaceae)**LITHACODIA** Hübner, 18189046 **bellicula** Hübner, 1818 (McD 3117)*semichalcea* (Walker, 1865)

Range.- I-IV (e. N.Am.: Newfd.-FL/Sask.-NM)

Dates.- Feb-Mar

Hosts.- Unknown

49.8 9047 **muscosula** (Guenée, 1852) (McD 3118)

Range.- I (e. N.Am.: N.S.-FL/SD-TX)

Dates.- Apr, Jul

Hosts.- grass (Gramineae)

9051 **musta** (Grote & Robinson, 1868) (McD 3123)

Range.- I (e. U.S.: NH-FL/WI-TX; Mex.-C. Am.)

Dates.- May

Hosts.- Unknown

[9053 *carneola* (Guenée): see 9055.2]9054 **indeterminata** Barnes & McDunnough, 1918 (McD 3125)

54.18

Range.- I (se. U.S.: NC-FL/KY-TX)

Dates.- Jul-Aug

Hosts.- *Halesia* sp. (Styracaceae)49.7 **MALIATTHA** Walker, 1863*Hyelopsis* Hampson, 18949055.1 **synochitis** (Grote & Robinson, 1868) (McD 3120)

Range.- I-II (e. N.Am.: NS-FL/SD-TX)

Dates.- Oct

Hosts.- *Polygonum* sp. (Polygonaceae)**PSEUDEUSTROTIA** Warren, 19139055.2 **carneola** (Guenée, 1852) (McD 3124)*biplaga* (Walker, 1858)

49.9 Range.- I (e. N.Am.: Newfd.-FL/Sask.-CO-TX)

Dates.- Aug

Hosts.- *Polygonum* sp. (Polygonaceae)*Rumex* sp. (Polygonaceae)*Solidago* sp. (Compositae)**ANTERASTRIA** Sugi, 19829055.3 **teratophora** (Herrich-Schäffer, 1854) (McD 2582)*inscripta* (Walker, 1858)

51.18

Gray marvel

Range.- I (e. N.Am.: Que.-FL/Man.-AR)

Dates.- May-Jul

Hosts.- *Mentha* sp. (Labiatae)*Monarda* sp., *M. didyma* (Labiatae)54.17 **HOMOPHOBERIA** Morrison, 1875*Neoerastria* McDunnough, 19379056 **cristata** Morrison, 1875 (McD 3127/3586)

49.13

*caduca* (Grote, 1876)*retis* (Grote, 1879)

Waterlily owlet

Range.- I-VI (e. N.Am.: Ont.-FL/MI-AR)

Dates.- Jan-Oct

Hosts.- *Nuphar* sp., *N. advena*, *N. luteum* (Nymphaeaceae)*Sagittaria* sp. (Alismataceae)9057 **apicosa** (Haworth, [1809]) (McD 3126)

49.12

*nigritula* (Guenée, 1852)*undulifera* (Walker, 1856)

Range.- I-VII (e. N.Am.: N.S.-FL/MN-TX)

Dates.- Jan-Dec

Hosts.- *Polygonum* sp., *P. persicaria*, *P. punctatum* (Polygonaceae)**ARGILLOPHORA** Grote, 18739060 **furcilla** Grote, 1873 (McD 3130)

49.11

Range.- I (se. U.S.: TN-FL/[AR]-TX)  
 Dates.- Apr, Jul  
 Hosts.- *Arundinaria* sp. (Gramineae)

**CERMA** Hübner, 1818

*Achatia* Hübner, 1808, suppr. (ICZN Op. 789)

*Chamyris* Guenée, 1852

*Pachycerma* Van Duzee, 1897

9061 **cora** Hübner, 1818 (McD 2559) **51.17**  
*fasta* (Guenée, 1852)

Range.- I (e. N.Am.: Ont.-FL/IA-TX)

Dates.- Apr

Hosts.- *Prunus pensylvanica* (Rosaceae)

9062 **cerintha** (Treitschke, 1826) (McD 3131) **49.14**  
*obscura* (Dyar, 1923)

Range.- I-II (e. N.Am.: Que.-FL/MN-TX)

Dates.- Apr-Jul, Sep

Hosts.- *Crataegus* sp. (Rosaceae)

*Ligustrum* sp. (Oleaceae)

*Malus pumila* (Rosaceae)

*Prunus domestica*, *P. serotina* (Rosaceae)

*Pyrus* sp. (Rosaceae)

**LEUCONYCTA** Hampson, 1909

*Bryocodia* Hampson, 1910

9065 **diphteroides** (Guenée, 1852) (McD 2576) **53.33**  
*f. obliterata* (Grote, 1864)

Range.- I-III (e. N.Am.: N.S.-FL/Man.-TX)

Dates.- Jan-Feb, Apr-May

Hosts.- *Solidago* sp. (Compositae)

**DIATEMA** Guenée, 1852

*Nipista* Walker, 1858

9067 **tigris** Guenée, 1852 (McD 3134) T **43.10**  
*lineata* (Walker, 1858)

Range.- I-VI (Gulf Coast: [GA?]-FL/AL-TX; West Indies; Mex.- Brazil)

Dates.- Jan-Oct

Hosts.- *Lantana* sp. (Verbenaceae)

**AMYNA** Guenée, 1852

*Ilattia* Walker, 1859

*Berresa* Walker, 1859

*Lochia* Walker, 1865

*Stridova* Walker, 1873

*Pteraetholix* Grote, 1873

*Chytoryza* Grote, 1876

*Hesperimorpha* Saalmüller, 1880

*Chytorhiza* Lucas, 1902, missp.

*Illatia* Hampson, 1910, missp.

9069 **bullula** (Grote, 1873) (McD 3135) T **49.15**  
*imprimata* (Möschler, 1890)

*mexicana* Strand, 1917

*f. concolorata* Barnes & Benjamin, 1924

Range.- I-VI (e. N.Am.: Que.-FL/IL-TX; West Indies; Mex.-Brazil)

Dates.- Oct-Nov

Hosts.- Unknown

9070 **octo** (Guenée, 1852) (McD 3136) T **49.16**  
*axis* Guenée, 1852

*stricta* (Walker, 1858)

*flavigutta* (Walker, 1858)

*perfundens* (Walker, 1858)

*cephusalis* (Walker, 1859)

*colon* Guenée, 1862

*vexabilis* (Wallengren, 1863)

*inornata* (Walker, 1865)

*obstructa* (Walker, 1865)

*leucospila* (Walker, 1865)

*stigmatula* (Snellen, 1872)

*albigutta* (Walker, 1873)

*bavia* (R. Felder & Rogenhofer, 1874)

*orbica* (Morrison, 1874)

*undulifera* Butler, 1875

*tecta* (Grote, 1876)

*monotretalis* (Mabille, 1879)

*supplex* (Swinhoe, 1885)

*rufa* (Bethune-Baker, 1906)

Eight spot

Range.- I-VI (e. N.Am.: Ont.-FL/MI-TX; West Indies; Mex.-Argentina: Old World tropics)

Dates.- Jan-Mar, May-Dec

Hosts.- *Chenopodium* sp. (Chenopodiaceae)

**EUBLEMMINI****EUBLEMMA** Hübner, [1821]

*Anthophilae* Hübner, [1806], suppr. (ICZN)

*Antophila* Hübner, [1806], missp.

*Anthophila* Ochsenheimer, 1816, preocc. (Haworth, 1811)

*Porphyrinia* Hübner, [1821]

*Eromene* Hübner, [1821]

*Trothisa* Hübner, [1821]

*Ecthetis* Hübner, [1823]

*Odice* Hübner, [1823]

*Antophyla* Duponchel, 1829, missp.

*Heliomanes* Sodoffsky, 1837, repl. name

*Microphisa* Boisduval, 1840

*Micra* Guenée, 1841, preocc. Zetterstedt, 1838)

*Microphysa* Guenée, 1841, emend.

*Glaphyra* Guenée, 1841, preocc. (Newman, 1840)

*Thalpochares* Lederer, 1853, repl. name

*Mixocharis* Lederer, 1853, repl. name

*Mestleta* Walker, 1865

*Eumestleta* Butler, 1892

*Talpochares* Pagenstecher, 1909, missp.

*Thalomicra* Spuler, 1907

*Polyorycta* Warren, 1911

*Gyophora* Warren, 1913

*Gyrophora* Neave, 1939, missp.

*Eumicremma* Berio, 1954

*Rhypagla* Nye, 1975, repl. name

9076 **minima** (Guenée, 1852) (McD 3061) T **49.2**

*pennula* (R. Felder, 1874)

*carmelita* (Morrison, 1876)

*pallida* (Schaus, 1904)

Range.- I-VIII (e. U.S.: MA-FL/AR-TX; West Indies; Mex.-Argentina)

Dates.- Jan-Dec

Hosts.- *Anaphalis* sp. (Compositae)

*Gnaphalium* sp., *G. obtusifolium* (Compositae)

*Pluchea odorata* (Compositae)

*Pterocaulon pycnostachyum* (Compositae)

9077 **cinnamomea** (Herrich-Schäffer, 1868) (McD 3062)

- margaritae* (Berg, 1882)  
*laphyra* (Druce, 1890), part  
*rosescens* (Hampson, 1898)  
*subcinnamomea* (Strand, 1917)  
Range.- III-VIII (FL; TX; West Indies; Mex.-Argentina)  
Dates.- Jan, Mar-May, Jul, Sep-Dec  
Hosts.- Unknown  
9078 **recta** (Guenée, 1852) (McD 3063)  
*obliquialis* (Fabricius, 1794). preocc. (not  
Gmelin, 1790)  
*flammicincta* (Walker, 1865)  
*pallascens* (Herrich-Schäffer, 1868)  
*stalii* (Wallengren, 1871)  
*patula* (Morrison, 1875)  
*patruelis* (Grote, 1876)  
*laphyra* (Druce, 1898), part  
*brunneoohracea* (Strand, 1917)  
*luteipennis* (Strand, 1917)  
*brunneoohracea* (Kimball, 1965), missp.  
Range.- I-VIII (se. U.S.: SC-FL/MS-TX)  
Dates.- Jan-Jun, Sep-Dec  
Hosts.- *Convolvulus* sp. (Convolvulaceae)  
*Ipomoea* sp., *I. batatas* (Convolvulaceae)

**PROROBLEMA** Hampson, 1910

- \*9080 **testa** Barnes & McDunnough, 1913 (McD 3064)  
Range.- III-VIII (Florida)  
Dates.- Feb-Apr, Aug-Oct, Dec  
Hosts.- Unknown

**ARAEOPTERON** Hampson, 1893

- Araeopterum* Hampson, 1895, emend.  
*Araeoptera* Hampson, 1910, emend.  
9081 **vilhelmina** Dyar, 1916 (McD 3066.2) T  
Range.- IV-VI (FL; TX; West Indies; Mex.-C. Am.)  
Dates.- Jan, Mar-Apr  
Hosts.- Unknown

**ACONTIINI****TARACHIDIA** Hampson, 1898

- 9083 **parvula** (Walker, 1865) (McD 3167)  
*georgica* (Grote, 1881)  
Range.- I-IV (se. U.S.: SC-FL/[AR]-TX)  
Dates.- Mar-May  
Hosts.- Unknown  
9085 **semiflava** (Guenée, 1852) (McD 3185)  
Range.- I-VI (e. N.Am.: NJ-FL/Man.-TX)  
Dates.- Jan-Sep  
Hosts.- *Sarracenia flava*, *S. minor* (Sarraceniaceae)  
9088 **virginalis** (Grote, 1881) (McD 3178/3180)  
*tenuescens* (J. B. Smith, 1902)  
Range.- II-VI (Gulf Coast: FL-TX; Mex.)  
Dates.- Jan, May, Sep, Nov  
Hosts.- Unknown  
9090 **candefacta** (Hübner, [1831]) (McD 3176)  
*minuta* Haworth, [1809], preocc. (not Hübner,  
[1808-09])  
*haworthana* (Westwood, 1851)  
*debilis* (Walker, 1857)  
*neomexicana* (J. B. Smith, 1900)  
*candefactella* Strand, 1916  
Range.- I-VIII (N.Am.: N.S.-FL/Man.-CA; Mex.)  
Dates.- Jan-Nov

- 49.5 Hosts.- *Ambrosia artemisiifolia* (Compositae)  
*Arctium lappa* (Compositae)  
*Aster dumosus* (Compositae)  
9095 **erastrioides** (Guenée, 1852) (McD 3172)  
Range.- I (e. N.Am.: Que.-FL/MN-TX)  
Dates.- Jun  
Hosts.- *Ambrosia* sp., *A. artemisiifolia* (Compositae)  
49.6 *Arctium lappa* (Compositae)

**FRUVA** Grote, 1877

- Neptunia* Barnes & McDunnough, 1911, pre-  
occ. (Renier, 1847)  
*Uniptena* Nye, 1975, repl. name  
9102 **fasciatella** (Grote, 1975) (McD 3161) **50.38**  
Range.- I-VI (se. U.S.: SC-FL/AR-TX)  
Dates.- Feb-Sep  
Hosts.- Unknown

**PONOMETIA** Herrich-Schäffer, 1868

- Heliodora* Neumoegen, 1891  
*Graeperia* Grote, 1895  
*Tornacantia* J. B. Smith, 1900  
9115 **exigua** (Fabricius, 1793) (McD 3158/3159) T **54.20**  
*indubitans* (Walker, 1857)  
*costalis* (Walker, 1858)  
*dimidiata* (Walker, 1865)  
*ochricosta* Herrich-Schäffer, 1868  
*citrina* (Druce, 1889)  
*magnifica* (Neumoegen, 1891)  
Range.- I-VIII (se. U.S.: GA-FL/MS-TX; West Indies;  
Mex.-Brazil)  
Dates.- Jul, Sep  
Hosts.- Unknown

**SPRAGUEIA** Grote, 1875

- Helicontia* Hampson, 1910  
*Mnesipyrga* Meyrick, 1913  
*Spragueia* Köhler, 1979, missp  
9122 **dama** (Guenée, 1852) (McD 3149) **50.34, 40**  
*transmutata* (Walker, 1865)  
*trifariana* (Walker, 1865)  
*pardalis* Grote, 1881  
*concolor* (Möschler, 1890)  
Range.- I-VI (se. U.S.: NC-FL/MO-TX)  
Dates.- Jun-Oct  
Hosts.- Unknown  
9124 **perstructana** (Walker, 1865) (McD 3142.1) T  
*felina* (Herrich-Schäffer, 1868) **50.31, 37**  
*tigridula* (Herrich-Schäffer, 1868)  
*phaenna* (Druce, 1889)  
*mata* (Druce, 1898)  
49.18 Range.- I-VIII (Gulf Coast: FL-TX; West Indies; Mex.-S.  
Am.)  
Dates.- Mar, Jun, Sep-Nov  
Hosts.- Unknown  
9125 **guttata** Grote, 1875 (McD 3144) **50.32**  
Range.- I (Gulf Coast: FL-TX)  
Dates.- May, Jul  
Hosts.- Unknown  
9126 **onagrus** (Guenée, 1852) (McD 3147) **50.33**  
Range.- I-VI (se. U.S.: NC-FL/MS-TX)  
Dates.- Mar-Nov  
Hosts.- *Castanea pumila* (Fagaceae)  
9127 **leo** (Guenée, 1852) (McD 3148) **50.39**  
*onagrus*.- (Herrich-Schäffer, 1868) (not Gue-

- née, 1852)  
 Range.- I-IV (e. U.S.: MA-FL/KS-TX)  
 Dates.- May-Jun, Sep  
 Hosts.- *Convolvulus* sp. (Convolvulaceae)  
 9128 **jaguaralis** Hampson, 1910 (McD 3150) **54.19**  
*rudisana*.- (Druce, 1889) (not Walker, 1865)  
 Range.- I (se. U.S.: GA-FL/AR?-TX)  
 Dates.- Jul, Sep-Oct  
 Hosts.- Unknown  
 9131 **apicalis** (Herrich-Schäffer, 1868) (McD --) T  
*obliquella* (Strand, 1912)  
*trichostrota* (Meyrick, 1913)  
 a) **apicella** (Grote, 1872) (McD 3141) **50.29, 35**  
*accepta* (H. Edwards, 1881)  
*truncatula* (Zeller, 1873)  
*marmorea*.- (Druce, 1889), part (not Butler, 1879)  
 Range.- I-VI (e. U.S.: VA-FL/IL-TX; Mex.-Brazil) [N.Am. subsp.]  
 Dates.- Feb-Nov  
 Hosts.- *Gutierrezia sarothrae* (Compositae)  
 9132 **margana** (Fabricius, 1794) (McD 3142) T **50.30, 36**  
*subapicana* (Walker, 1863)  
*rudisana* (Walker, 1865)  
*sordida* Grote, 1882  
*inorata* Grote, 1883  
*ochracea* (Möschler, 1890)  
*variegata* (Möschler, 1890)  
*canofusa* Hampson, 1898  
*tarasca* Schaus, 1904  
 Range.- I-IV (Gulf Coast: FL-TX; West Indies; Mex.-Brazil)  
 Dates.- Sep-Nov  
 Hosts.- *Sphaeralcea incana* (Malvaceae)  
**ACONTIA** Ochsenheimer, 1816  
*Tarache* Hübner, [1823]  
*Desmophora* Stephens, 1829  
*Euphasia* Stephens, 1830  
*Heliothera* Sodoffsky, 1837  
*Porrotha* Gistel, 1848  
*Tima* Walker, 1858, preocc. (Eschscholtz, 1829)  
*Trichotarache* Grote, 1875  
 9136 **aprica** (Hübner, [1800-03]) (McD 3203) **49.19**  
*alboater* (Haworth, [1809])  
*biplaga* Guenée, 1852  
*unocula* Freyer, 1852  
*redita* R. Felder, 1874  
*apricana* (Strand, 1916)  
*apricanoides* (Strand, 1916)  
*apricella* (Strand, 1916)  
 Range.- I-VIII (e. N.Am.: Que.-FL/CO-TX)  
 Dates.- Mar-Sep  
 Hosts.- *Alcea rosea* (Malvaceae)  
*Psidium guajava* (Myrtaceae)  
 9143 **tetragona** Walker, 1858 (McD 3197) T  
*redita*.- Druce, 1889, part (not R. Felder, 1874)  
*alessandra* J. B. Smith, 1903  
*ceyvestensis* Dyar, 1904  
*redota* Draudt, 1936, missp.  
*gonoides* (McDunnough, 1943)  
 Range.- VI-VIII (FL; West Indies; TX-S. Am.)

- Dates.- Apr-Jun, Aug-Sep  
 Hosts.- Unknown  
 9145 **terminimaculata** (Grote, 1873) (McD 3210) **49.20**  
*pulchella* (Grote, 1874)  
*terminimacula* Kimball, 1965, missp.  
 Range.- I-VII (e. U.S.: MA-FL/IL-TX)  
 Dates.- Feb-Sep  
 Hosts.- *Tilia* sp. (Tiliaceae)  
 9146 **delecta** Walker, 1858 (McD 3213)  
*metallica* Grote, 1865  
 Range.- I-II (e. U.S.: NY-FL/MO-TX)  
 Dates.- May, Jul, Sep  
 Hosts.- *Hibiscus* sp., *H. moscheutos* (Malvaceae)

### BAGISARINI

- BAGISARA** Walker, 1858  
*Atethmia*.- auct. (not Hübner, [1821])  
 9168 **repanda** (Fabricius, 1793) (McD 2688) T **55.24**  
*subusta* (Hübner, [1821])  
*inusta* (Guenée, 1852)  
*erecta* (Walker, 1858)  
*dispartita* (Walker, 1858)  
*incidens* Walker, 1858  
*congesta* (Walker, 1858)  
*trilinea* (Walker, 1865)  
*venusta* (Berg, 1882)  
*unipunctata* (Möschler, 1890)  
 Range.- I-VIII (Gulf Coast: FL-TX; West Indies; Mex.-Argentina)  
 Dates.- Jan-Dec  
 Hosts.- Unknown  
 9169 **rectifascia** (Grote, 1874) (McD 2689)  
 Range.- I-IV (e. N.Am.: MA-FL/Man.-TX)  
 Dates.- Jan, Oct-Nov  
 Hosts.- *Hibiscus* sp., *H. lasiocarpus* (Malvaceae)  
*Malvaviscus* sp., *M. arboreus* var. *drummondii* (Malvaceae)

### PANTHEINAE

- PANTHEA** Hübner, [1820]  
*Elatina* Duponchel, [1845]  
*Audela* Walker, 1861  
*Platycerura* Packard, 1864  
*Diphthera*.- Hampson, 1913 (not Hübner, [1809])  
 9182 **furcilla** (Packard, 1864) (McD 1130)  
 Range.- I-IV (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- Jan-Mar, Jul, Oct-Dec  
 Hosts.- *Larix laricina* (Pinaceae)  
*Picea* sp. (Pinaceae)  
*Pinus* sp., *P. echinata*, *P. strobus* (Pinaceae)  
 ?*Tilia* sp. (Tiliaceae)  
**COLOCASIA** Ochsenheimer, 1816  
*Leptostola* Billberg, 1820  
*Demas* Stephens, 1829  
*Phineca* Walker, 1856  
*Calocasia* Hampson, 1913, missp.  
 9184 **flavicornis** (J. B. Smith, 1884) (McD 1122)  
*infanta* (J. B. Smith, 1911)  
*electa* (J. B. Smith, 1911)  
 Range.- I (e. N.Am.: N.S.-FL/MO-TX)

Dates.- Apr-Jun, Aug  
 Hosts.- *Betula* sp. (Betulaceae)  
*Ostrya virginiana* (Betulaceae)

**CHARADRA** Walker, 1865

9189 **deridens** (Guenée, 1852) (McD 1135/1136)  
*circulifera* (Walker, 1857)  
*contigua* Walker, 1865  
*sudena* J. B. Smith, 1908  
 f. *nigrosuffusana* Strand, 1917  
*fumosa* Draudt, 1924  
 Range.- I-VII (e. N.Am.: N.S.-FL/Man.-CO-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Acer* sp. (Aceraceae)  
*Betula* sp. (Betulaceae)  
*Quercus* sp. (Fagaceae)  
*Ulmus* sp. (Ulmaceae)

**RAPHIA** Hübner, [1821]

*Rhaphia* Agassiz, 1846, missp.  
*Anodonta* Rambur, 1858, preocc. (not Lamarck, 1799)  
*Paphia* Hill, 1927, missp.  
 9192 **abrupta** Grote, 1864 (McD 1140/1141, part)  
*flexuosa* (Walker, 1865)  
 Range.- I-IV (e. U.S.: ME-FL/MN-TX)  
 Dates.- Feb-Apr, Jul  
 Hosts.- Unknown

**ACRONICTINAE****ACRONICTINI****ACRONICTA** Ochsenheimer, 1816

*Apatele* Hübner, [1806], suppr. (ICZN Op. 97 & 278)  
*Apatele* Hübner, 1808, suppr. (ICZN OP. 789)  
*Apatelae* Ochsenheimer, 1816, unavail.  
*Triaena* Hübner, 1818  
*Apatele* Hübner, 1818, unavail.  
*Hyboma* Hübner, [1820]  
*Jocheaera* Hübner, [1820]  
*Pharetra* Hübner, [1820], preocc. (not Bolten, 1798)  
*Arctomyscis* Hübner, [1820]  
*Apatele* Hübner, 1822  
*Acronycta* Treitschke, 1825, emend.  
*Apatele* Stephens, 1829, emend.  
*Acronyctia* Meigen, 1832, missp.  
*Cometa* Sodoffsky, 1837  
*Semaphora* Guenée, 1841  
*Sematophora* Agassiz, 1846, emend.  
*Microcoelia* Guenée, 1852  
*Megacronycta* Grote, 1873  
*Lepitorea* Grote, 1873  
*Eulonche* Grote, 1873  
*Plataplecta* Butler, 1878  
*Artomyscis* Butler, 1879, missp.  
*Mastiphanes* Grote, 1882  
*Viminia* Chapman, 1890  
*Cuspidia* Chapman, 1890  
*Pseudepunda* Butler, 1890  
*Tricholonche* Grote, 1896  
*Philorgyia* Grote, 1896

*Chamaepora* Warren, 1909  
*Pseudopunda* Hampson, 1909, missp.  
*Subacronicta* Kozhanchikov, 1950

9199 **rubricoma** Guenée, 1852 (McD 1147)

Ruddy dagger moth

39.33 Range.- I-VI (e. N.Am.: Ont.-FL/IA-TX)

Dates.- Mar, May, Aug

Hosts.- *Celtis occidentalis* (Ulmaceae)

*Rhus* sp. (Anacardiaceae)

*Ulmus* sp. (Ulmaceae)

9200 **americana** (Harris, 1841) (McD 1148)

*aceris*.- (J. E. Smith, 1797) (not Linnaeus, 1758)

*acericola* (Guenée, 1852)

American dagger moth

Range.- I-VII (e. N.Am.: N.S.-FL/Man.-TX)

Dates.- Feb-May

Hosts.- *Acer* sp., *A. negundo*, *A. pseudoplatanus*, *A. rubrum*, *A. saccharinum* (Aceraceae)

*Aesculus hippocastanum* (Hippocastanaceae)

*Alnus* sp. (Betulaceae)

*Amelanchier canadensis* (Rosaceae)

*Betula* sp., *B. alba*, *B. populifolia* (Betulaceae)

*Carpinus caroliniana* (Betulaceae)

*Carya* sp., *C. cordiformis*, *C. glabra*, *C. tomentosa* (Juglandaceae)

*Castanea dentata*, *C. sativa* (Fagaceae)

*Cornus mas* (Cornaceae)

*Crataegus* sp. (Rosaceae)

*Fagus grandifolia*, *F. sylvatica* (Fagaceae)

*Fraxinus* sp. (Oleaceae)

*Juglans* sp. (Juglandaceae)

*Malus pumila* (Rosaceae)

*Platanus occidentalis* (Platanaceae)

*Populus* sp., *P. nigra* var. *italica* (Salicaceae)

*Prunus serotina*, *P. virginiana* (Rosaceae)

*Quercus* sp., *Q. alba*, *Q. coccinea*, *Q. macrocarpa*, *Q. palustris*, *Q. rubra*, *Q. velutina* (Fagaceae)

*Robinia pseudoacacia* (Leguminosae)

*Rubus allegheniensis* (Rosaceae)

*Salix* sp. (Salicaceae)

*Sorbus americana* (Rosaceae)

*Tilia americana*, *T. europaea*, *T. heterophylla* (Tilliaceae)

*Ulmus americana*, *U. procera*, *U. rubra* (Ulmaceae)

*Vaccinium corymbosum* (Ericaceae)

9203 **dactylina** Grote, 1874 (McD 1151)

Fingered dagger moth

Range.- I-IV (e. N.Am.: Newfd.-FL/Man.-CO-TX)

Dates.- Feb (stray?)

Hosts.- *Alnus* sp. (Betulaceae)

*Betula* sp., *B. alba*, *B. papyrifera* (Betulaceae)

*Crataegus* sp. (Rosaceae)

*Populus* sp. (Salicaceae)

*Salix* sp. (Salicaceae)

*Trifolium pratense* (Leguminosae)

9205 **lepusculina** Guenée, 1852 (McD 1153)

*populi* Riley, 1870

*cretata* J. B. Smith, 1897

*cinderella* J. B. Smith, 1897

f. *transversata* J. B. Smith, 1897

f. *canadensis* J. B. Smith, 1898

- f. *similana* J. B. Smith, 1905  
*tonitra* J. B. Smith, 1908  
*chionochroa* Hampson, 1909  
 Cottonwood dagger moth  
 Range.- I-II (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- Apr-Jun, Sep  
 Hosts.- *Abies balsamea* (Pinaceae)  
*Populus* sp., *P. deltoides*, *P. tremuloides* (Salicaceae)  
*Salix* sp., *S. barclayi*, *S. scouleriana* (Salicaceae)
- 9208 **betulae** Riley, 1884 (McD 1156)  
 Birch dagger moth  
 Range.- I-II (e. U.S.: NH-FL/WI-TX)  
 Dates.- Mar-May, Aug-Sep  
 Hosts.- *Betula* sp., *B. nigra* (Betulaceae)
- 9211 **tritona** (Hübner, 1818) (McD 1159)  
 Triton dagger moth  
 Range.- I-IV (e. N.Am.: N.S.-FL/IL-TX)  
 Dates.- Jan-Sep, Nov-Dec  
 Hosts.- *Rhododendron* sp., *R. viscosum* (Ericaceae)  
*Vaccinium* sp., *V. macrocarpum*, *V. stamineum* (Ericaceae)
- 9212 **grisea** Walker, 1856 (McD 1160)  
*pudorata* Morrison, 1875  
 Gray dagger moth  
 Range.- I (N.Am.: Labr.-NY/Man.-IA)  
 Dates.- (stray?)  
 Hosts.- *Alnus rubra* (Betulaceae)  
*Betula* sp. (Betulaceae)  
*Malus pumila* (Rosaceae)  
*Populus* sp. (Salicaceae)  
*Salix* sp., *S. hookeriana*, *S. scouleriana* (Salicaceae)  
*Ulmus* sp. (Ulmaceae)  
*Viburnum dentatum* (Caprifoliaceae)
- 9219 **connecta** Grote, 1873 (McD 1167)  
 Range.- I-VI (e. N.Am.: Ont.-FL/SD-TX)  
 Dates.- Jan-Jun, Aug-Oct  
 Hosts.- *Salix* sp. (Salicaceae)
- 9225 **vinnula** (Grote, 1864) (McD 1172)  
 f. *percolens* Franclemont, 1938  
 Range.- I-IV (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Feb-May, Oct, Dec  
 Hosts.- *Ulmus* sp. (Ulmaceae)
- 9227 **laetifica** J. B. Smith, 1897 (McD 1174)  
 Range.- I-VI (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- Mar-Apr, Jun, Sep-Oct  
 Hosts.- *Carya* sp. (Juglandaceae)
- 9229 **hasta** Guenée, 1852 (McD 1176)  
 Speared dagger moth  
 Range.- I-II (e. N.Am.: Ont.-FL/WI-TX)  
 Dates.- Mar-May, Jul-Aug  
 Hosts.- *Prunus americana* (Rosaceae)
- 9235 **spinigera** Guenée, 1852 (McD 1180)  
*harveyana* Grote, 1875  
 Range.- I-II (e. N.Am.: Que.-FL/Man.-TX)  
 Dates.- Apr-Aug  
 Hosts.- *Betula* sp. (Betulaceae)  
*Malus* sp. (Rosaceae)  
*Prunus* sp. (Rosaceae)  
*Rubus* sp. (Rosaceae)  
*Tilia* sp. (Tiliaceae)  
*Ulmus* sp. (Ulmaceae)
- 9236 **morula** Grote & Robinson, 1868 (McD 1181)  
*ulmi* Harris, 1869  
 f. *columboides* Franclemont, 1938  
 Ochre dagger moth  
 Range.- I-II (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- Jul-Aug  
 Hosts.- *Malus pumila* (Rosaceae)  
*Tilia* sp. (Tiliaceae)  
*Ulmus* sp. (Ulmaceae)
- 9237 **interrupta** Guenée, 1852 (McD 1182)  
*occidentalis* Grote & Robinson, 1866  
*sagittaria* Harris, 1869  
 f. *elisabeta* J. B. Smith, 1907  
*elisabeta* Barnes & McDunnough, 1917, mis-sp.  
 Range.- I-II (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- Apr, Sep  
 Hosts.- *Betula* sp. (Betulaceae)  
*Crataegus* sp. (Rosaceae)  
*Malus pumila* (Rosaceae)  
*Prunus* sp., *P. cerasus*, *P. domestica*, *P. maritima*,  
*P. serotina* (Rosaceae)  
*Pyrus communis* (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Sorbus americana* (Rosaceae)  
*Ulmus* sp. (Ulmaceae)
- 9238 **lobeliae** Guenée, 1852 (McD 1183)  
*grotei* Butler, 1893  
 Range.- I-II (e. N.Am.: N.S.-FL/MN-TX)  
 Dates.- Jan, Mar-Apr, Sep  
 Hosts.- *Prunus serotina* (Rosaceae)  
*Quercus* sp., *Q. macrocarpa* (Fagaceae)
- 9238.1 **perblanda** Ferguson, 1988  
 Range.- I-II (se. U.S.: NC-FL/MO-LA)  
 Dates.- Apr  
 Hosts.- Unknown
- 9240 **pruni** Harris, 1869 (McD 1184)  
*smithii* Butler, 1893  
 f. *prunata* (Barnes & Benjamin, 1924)  
 Range.- I-II (e. N.Am.: Ont.-FL/NE-TX)  
 Dates.- Feb-Mar, Jun, Aug-Sep  
 Hosts.- *Malus pumila* (Rosaceae)  
*Prunus cerasus*, *P. domestica*, *P. serotina* (Rosaceae)  
*Sorbus americana* (Rosaceae)
- 9241 **fragilis** (Guenée, 1852) (McD 1185)  
*spectans* (Walker, 1861)  
 f. *atrior* Franclemont, 1938  
 Range.- I (e. N.Am.: Newfd.-FL/B.C.-OR)  
 Dates.- Apr, Aug  
 Hosts.- *Betula* sp. (Betulaceae)  
*Malus pumila* (Rosaceae)  
*Picea glauca* (Pinaceae)  
*Prunus domestica* (Rosaceae)  
*Salix* sp. (Salicaceae)
- 9242 **exilis** Grote, 1874 (McD 1186)  
 Range.- I (e. U.S.: ME-FL/IL-TX)  
 Dates.- May, Sep  
 Hosts.- *Quercus* sp. (Fagaceae)
- 9244 **modica** Walker, 1856 (McD 1188)  
 Range.- I (e. N.Am.: Que.-FL/MN-TX)  
 Dates.- Mar-Apr  
 Hosts.- *Quercus* sp., *Q. rubra* (Fagaceae)
- 9246 **clarescens** Guenée, 1852 (McD 1190)  
*centriferruginea* Strand, 1916  
*haesitata*.- Rings & Rings, 2002, misid. (not

- Grote, 1882)  
 Range.- I-V (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Apr-May  
 Hosts.- *Betula allegheniensis* (Betulaceae)  
*Malus pumila* (Rosaceae)  
*Prunus serotina* (Rosaceae)  
*Sorbus americana* (Rosaceae)  
 9248 **hamamelis** Guenée, 1852 (McD 1193)  
 f. *guyasuta* (F. Chermock & R. Chermock, 1840)  
 Range.- I-III (e. N.Am.: N.S.-FL/WI-CO-TX)  
 Dates.- Jun  
 Hosts.- *Aesculus hippocastanum* (Hippocastanaceae)  
*Betula* sp. (Betulaceae)  
*Castanea dentata* (Fagaceae)  
*Hamamelis virginiana* (Hamamelidaceae)  
*Quercus* sp. (Fagaceae)  
 9249 **incretata** Morrison, 1874 (McD 1194)  
 Range.- I (e. U.S.: MA-FL/Man.-NM)  
 Dates.- Jun  
 Hosts.- Unknown  
 9250 **inclara** J. B. Smith, 1900 (McD 1191)  
 Range.- I (e. N.Am.: N.S.-FL/Alb.-TX)  
 Dates.- May (stray?)  
 Hosts.- *Betula* sp. (Betulaceae)  
*Castanea* sp. (Fagaceae)  
*Quercus* sp. (Fagaceae)  
 9251 **retardata** (Walker, 1861) (McD 1195) **39.36**  
*dissecta* Grote & Robinson, 1870  
 Range.- I-VI (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- Feb-Mar, May, Jul-Sep  
 Hosts.- *Acer* sp., *A. rubrum*, *A. saccharum* (Aceraceae)  
*Liquidambar styraciflua* (Hamamelidaceae)  
*Ulmus* sp. (Ulmaceae)  
 9253 **subochrea** Grote, 1874 (McD 1197)  
 Range.- I (e. N.Am.: N.S.-FL/WI-AR)  
 Dates.- Jul  
 Hosts.- ?*Hamamelis* sp. (Hamamelidaceae)  
 9254 **afflicta** Grote, 1864 (McD 1198) **39.39**  
*dolens* Druce, 1889  
 f. *schmalzriedi* Lemmer, 1937  
 Range.- I-IV (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Jan-May, Sep-Oct, Dec  
 Hosts.- *Juglans nigra* (Juglandaceae)  
*Quercus* sp. (Fagaceae)  
 9255 **brumosa** Guenée, 1852 (McD 1199) **51.3-4**  
 Range.- I-IV (U.S.: NJ-FL/CO-CA)  
 Dates.- Feb-Apr, Jun-Oct  
 Hosts.- *Betula* sp. (Betulaceae)  
*Carya* sp. (Juglandaceae)  
*Corylus* sp. (Betulaceae)  
*Hamamelis* sp. (Hamamelidaceae)  
*Prunus domestica* (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Rubus allegheniensis*, *R. idaeus* var. *strigosus* (Rosaceae)  
*Salix* sp. (Salicaceae)  
 9257 **impleta** Walker, 1856 (McD 1201) **39.40**  
*luteicoma* Grote & Robinson, 1870  
 f. *krautwormi* (F. Chermock, 1927)  
 var. *krautwormii*.- Forbes, 1954, missp.  
 Range.- I-IV (e. N.Am.: N.S.-FL/Alb.-TX)  
 Dates.- Feb-Mar, Jun-Sep  
 Hosts.- *Acer* sp. (Aceraceae)  
*Alnus* sp. *A. rubra* (Betulaceae)  
*Betula* sp. (Betulaceae)  
*Crataegus* (Rosaceae)  
*Fraxinus* (Oleaceae)  
*Hamamelis virginiana* (Hamamelidaceae)  
*Juglans nigra* (Juglandaceae)  
*Ligustrum* sp. (Oleaceae)  
*Malus floribunda*, *M. pumila* (Rosaceae)  
*Populus* sp. (Salicaceae)  
*Prunus cerasus*, *P. virginiana* (Rosaceae)  
*Quercus* sp., *Q. robur* (Fagaceae)  
*Salix* sp. (Salicaceae)  
*Tilia* sp. (Tiliaceae)  
*Ulmus* sp. (Ulmaceae)  
 9259 **noctivaga** Grote, 1864 (McD 1203)  
 Range.- I (N.Am.: N.S.-FL/OR-NM)  
 Dates.- May, Aug  
 Hosts.- *Populus* sp. (Salicaceae)  
 9264 **longa** Guenée, 1852 (McD 1207) **39.41**  
*xylinoides* Guenée, 1852  
*xyliniformis* Guenée, 1852  
*pallidicoma* (Grote, 1878)  
 f. *set* (Barnes & Benjamin, 1927)  
 Range.- I-VI (e. N.Am.: N.S.-FL/Alb.-TX)  
 Dates.- Feb-Sep, Nov  
 Hosts.- *Alnus* sp. (Betulaceae)  
*Betula* sp. (Betulaceae)  
*Diospyros virginiana* (Ebenaceae)  
*Gossypium herbaceum* (Malvaceae)  
*Prunus persica* (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Rhus toxicodendron* (Anacardiaceae)  
*Rosa* sp. (Rosaceae)  
*Rubus allegheniensis*, *R. idaeus* var. *strigosus* (Rosaceae)  
*Salix* sp. (Salicaceae)  
 9266 **lithospila** Grote, 1874 (McD 1209)  
 Streaked dagger moth  
 Range.- I-II (N.Am.: N.S.-FL/B.C.-CA)  
 Dates.- Apr, Aug  
 Hosts.- *Carya* sp. (Juglandaceae)  
*Castanea dentata* (Fagaceae)  
*Juglans* sp. (Juglandaceae)  
*Quercus* sp. (Fagaceae)  
 9271 **arioch** Strecker, 1898 (McD 1214) **52.1**  
 Range.- I-VI (se. U.S.: GA-FL/[AR]-TX)  
 Dates.- Jan-Nov  
 Hosts.- Unknown  
 9272 **oblinita** (J. E. Smith, 1797) (McD 1215) **52.2-3**  
*salicis* Harris, 1869  
 f. *insolita* Grote, 1873  
 Smeared dagger moth  
 Range.- I-VII (N.Am.: N.S.-FL/Man.-TX; B.C.)  
 Dates.- Jan-Apr, Jun, Aug-Nov  
 Hosts.- *Acer saccharinum* (Aceraceae)  
*Alnus rugosa*, *A. serrulata* (Betulaceae)  
*Asparagus officinalis* (Liliaceae)  
*Canna* sp., *C. flacida* (Cannaceae)  
*Cephalanthus occidentalis* (Naucleaceae)  
*Fagopyrum sagittatum* (Polygonaceae)  
*Fragaria chiloensis* (Rosaceae)  
*Gossypium herbaceum* (Malvaceae)  
*Juglans cinerea* (Juglandaceae)  
*Ligustrum* sp. (Oleaceae)

- Lonicera* sp. (Caprifoliaceae)  
*Malus pumila* (Rosaceae)  
*Nuphar luteum* (Nymphaeaceae)  
*Phaseolus vulgaris* (Leguminosae)  
*Photinia glabra* (Rosaceae)  
*Pinus* sp. (Pinaceae)  
*Polygonum hydropiper*, *P. punctatum* (Polygonaceae)  
*Pontederia lanceolata* (Pontederiaceae)  
*Populus* sp., *P. nigra* var. *italica* (Salicaceae)  
*Prunus persica* (Rosaceae)  
*Pyracantha* sp. (Rosaceae)  
*Pyrus communis* (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Rhododendron* sp. (Ericaceae)  
*Rubus allegheniensis*, *R. idaeus* var. *strigosus* (Rosaceae)  
*Salix* sp., *S. caroliniana*, *S. nigra* (Salicaceae)  
*Syringa* sp. (Oleaceae)  
*Trifolium* sp. (Leguminosae)  
*Triticum aestivum* (Gramineae)  
*Typha latifolia* (Typhaceae)  
*Ulmus* sp. (Ulmaceae)  
*Vitis* sp. (Vitaceae)  
*Zea mays* (Gramineae)
- 9272.1 **sinescripta** Ferguson, 1988  
 Range.- I-IV (se. U.S.: SC-FL/[AL]-LA)  
 Dates.- Mar-Apr  
 Hosts.- Unknown
- 9274 **lanceolaria** (Grote, 1875) (McD 1216) **52.4**  
 Range.- I-IV (e. N.Am.: ME-FL/Man.-AR)  
 Dates.- Feb-Apr  
 Hosts.- *Comptonia* sp. (Myricaceae)  
*Gaillardia* sp. (Compositae)  
*Plantago* sp. (Plantaginaceae)  
*Populus* sp. (Salicaceae)  
*Prunus cerasus*, *P. serotina* (Rosaceae)  
*Rubus* sp. (Rosaceae)  
*Salix* sp. (Salicaceae)
- SIMYRA** Ochsenheimer, 1816  
*Cnephata* Billberg, 1820  
*Symira* Hübner, [1821], missp.  
*Asema* Sodoffsky, 1837  
*Nimyra* Guenée, 1841, missp.  
*Ablepharon* Grote, 1873  
*Siymra* Warren, 1912, missp.  
*Ommatostolidea* Benjamin, 1933
- 9280 **henrici** (Grote, 1873) (McD 1222) **52.5**  
*evanida* (Grote, 1873)  
 f. *fumosa* (Morrison, 1874)  
 Henry's marsh moth  
 Range.- I-VI (N.Am.: Que.-FL/Man.-CA; West Indies; Mex.)  
 Dates.- Feb-Apr, Jun, Aug, Oct-Nov  
 Hosts.- *Carex* sp. (Cyperaceae)  
*Polygonum hydropiper*, *P. lapathifolium* (Polygonaceae)  
*Populus* sp. (Salicaceae)  
*Salix* sp. (Salicaceae)  
*Typha* sp., *T. latifolia* (Typhaceae)
- AGRIOPODES** Hampson, 1908  
 9281 **fallax** (Herrich-Schäffer, 1854) (McD 2578) **53.34**
- fallas* Slotten, 2000, missp.  
 Green marvel  
 Range.- I-IV (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Feb-Dec  
 Hosts.- *Populus* sp. (Salicaceae)  
*Viburnum* sp., *V. dentatum*, *V. obovatum* (Caprifoliaceae)  
 [9284 teratophora (Herrich-Schäffer): see 9055.3]
- POLYGRAMMATE** Hübner, 1818  
*Grammophora* Guenée, 1852  
 9285 **hebraicum** Hübner, 1818 (McD 2574) **53.32**  
*hebraea* Guenée, 1852, missp.  
 Range.- I-VIII (e. N.Am.: Ont.-FL/IL-TX)  
 Dates.- Feb-Oct  
 Hosts.- *Nyssa sylvatica* (Nyssaceae)
- HARRISIMEMNA** Grote, 1873  
 9286 **trisignata** (Walker, 1856) (McD 1223) **52.25**  
*sexguttata* (Harris, 1869)  
 Harris' three-spot  
 Range.- I-IV (e. N.Am.: N.S.-FL/Sask.-TX)  
 Dates.- Feb-Oct  
 Hosts.- *Cephalanthus occidentalis* (Naucleaceae)  
*Diervilla lonicera* (Caprifoliaceae)  
*Diospyros virginiana* (Ebenaceae)  
*Dirca* sp. (Thymelaeaceae)  
*Fraxinus* sp. (Oleaceae)  
*Ilex* sp., *I. verticillata* (Aquifoliaceae)  
*Liquidambar* sp. (Hamamelidaceae)  
*Ligustrum* sp., *L. sinense* (Oleaceae)  
*Malus pumila* (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Spiraea tomentosa* (Rosaceae)  
*Syringa* sp. (Oleaceae)  
*Vaccinium* sp. (Ericaceae)
- BRYOPHILINI**
- CRYPHIA** Hübner, 1818  
*Poecilia* Schrank, 1802, preocc. (Schneider, 1801)  
*Jaspidia* Hübner, 1806, suppr. (Op. 97 & 278)  
*Cerma*.- auct. (not Hübner, 1818)  
*Euthales* Hübner, 1820  
*Jaspidia* Hübner, 1822  
*Bryophila* Treitschke, 1825  
*Bryolenca* Hampson, 1908  
*Bryonycta* Boursin, 1955  
*Scythobrya* Boursin, 1960  
*Bryopsis* Boursin, 1970
- 9286.1 **cyanympha** Ferguson, 1988 **54.16**  
*cyanonympha* Knudson & Bordelon, 1999, missp.  
 Range.- I-III (se. U.S.: NC-FL/[AR]-TX)  
 Dates.- Mar-Apr, Jun  
 Hosts.- Unknown
- AGARISTINAE**
- EUDRYAS** Boisduval, 1836  
*Euthisanotia*.- auct. (not Hübner, [1827- 31])



- Cyphocampa* Harris, 1869  
*Parathisanotia* Kiriakoff, 1977  
 9299 **unio** (Hübner, [1827-31]) (McD 2860)  
     Pearly wood nymph  
 Range.- I-VII (e. N.Am.: Ont.-FL/MN-TX)  
 Dates.- Jan-Dec  
 Hosts.- *Decodon verticillatus* (Lythraceae)  
     *Epilobium* sp. *E. coloratum* (Onagraceae)  
     *Euphorbia colorata* (Euphorbiaceae)  
     *Hibiscus* sp. (Malvaceae)  
     *Lythrum* sp. (Lythraceae)  
     *Oenothera* sp., *O. biennis* (Onagraceae)  
     *Vitis* sp. *V. vinifera* (Vitaceae)  
 9301 **grata** (Fabricius, 1793) (McD 2858)  
     *assimilis* Boisduval, 1874  
     Beautiful wood nymph  
 Range.- I-VI (e. N.Am.: N.S.-FL/MN-TX)  
 Dates.- Jan-Apr, Jun, Sep-Dec  
 Hosts.- *Cephalanthus occidentalis* (Naucleaceae)  
     *Humulus lupulus* (Cannabidaceae)  
     *Parthenocissus quinquefolia* (Vitaceae)  
     *Vitis* sp., *V. vinifera* (Vitaceae)

**NEOTUERTA** Kiriakoff, 1977

- Tuerta*.- auct. (not Walker, 1869)  
*Misa*.- auct. (not Karsch, 1895)  
 9305 **hemicycla** (Hampson, 1904) (McD --) T  
 Range.- VIII (Florida; Bahamas)  
 Dates.- Jun  
 Hosts.- Unknown

**CAULARIS** Walker, 1858

- 9306 **lunata** Hampson, 1904 (McD 2860.1) T  
 Range.- VIII (Florida; Bahamas)  
 Dates.- Jun  
 Hosts.- Unknown

**EUSCIRRHOPTERUS** Grote, 1866

- Heterandra* Herrich-Schäffer, 1866  
*Copidryas* Grote, 1876  
*Euscirrhopterus* Kirby, 1892, missp.  
*Laquea* Jordan, 1896  
*Euscirrhopterus* Hampson, 1901, missp.  
*Laquea* Strand, 1912, missp.  
*Hortoni* Dyar, 1926  
 9308.1 **poeyi** Grote, 1866 (McD --) T  
     *disparilis* (Herrich-Schäffer, 1866)  
     *argentata* (Druce, 1894)  
 Range.- VIII (FL; West Indies; Mex.-Guatemala)  
 Dates.- May-Jul  
 Hosts.- Unknown

**PSYCHOMORPHA** Harris, 1839

- 9309 **epimenis** (Drury, 1782) (McD 2864)  
     *glaucopis* Harris, 1839  
 Range.- I-IV (e. U.S.: MA-FL/IA-TX)  
 Dates.- Mar-May  
 Hosts.- *Campsis radicans* (Bignoniaceae)  
     *Vitis* sp. (Vitaceae)  
 \*9310 **euryrhoda** Hampson, 1910 (McD 2865)  
 Range.- II-IV (Florida)  
 Dates.- Feb-Apr  
 Hosts.- Unknown

**ALYPIA** Hübner, 1818

- Leucosemia* Ménéttriés, 1857  
 55.31 9314 **octomaculata** (Fabricius, 1775) (McD 1112)  
     *albomaculata* (Cramer, 1784)  
     *bimaculata* (Gmelin, 1790)  
     *octomaculalis* Hübner, 1818  
     *quadriguttalis* Hübner, 1818  
     Eight-spotted forester  
 Range.- I (e. N.Am.: N. S.-FL/SD-TX)  
 Dates.- Apr-Jun, Aug  
 Hosts.- *Parthenocissus quinquefolia* (Vitaceae)  
     *Vitis* sp., *V. rufotomentosa* (Vitaceae)  
 9316 **wittfeldii** H. Edwards, 1883 (McD 1114) **39.31-32**  
     *octomaculata*.- Hampson, 1901, part (not  
     Fabricius, 1775)  
 Range.- I-VII (Gulf Coast: FL-TX)  
 Dates.- Jan-Apr, Aug  
 Hosts.- *Ludwigia* sp. (Onagraceae)  
     *Parthenocissus quinquefolia* (Vitaceae)  
     *Vitis rufotomentosa* (Vitaceae)

**AMPHIPYRINAE**

[NOTE: Most genera in this subfamily are now placed in Hadeninae, with some in Condicinae, and Amphipyridae are restricted to the genus *Amphipyra* and a few related genera. See the work by Kitching and Rawlins, in Kristensen, 1999]

**APAMEINI****APAMEA** Ochsenheimer, 1816

- Abromias* Billberg, 1820  
*Septis* Hübner, [1821]  
*Xylophasia* Stephens, 1829  
*Hama* Stephens, 1829  
*Agrostobia* Boit, 1835  
*Syma* Stephens, 1850, preocc. (not Lesson, 1827)  
*Dimya* Moore, 1882, preocc. (Rouault, 1850)  
 9332 **vulgaris** (Grote & Robinson, 1866) (McD 2334)  
 Range.- I-II (e. N.Am.: N.S.-FL/IL-MO)  
 Dates.- Apr  
 Hosts.- grass (Gramineae)  
 9341 **vultuosa** (Grote, 1875) (McD 2344)  
 Range.- I (N.Am.: Newfd.-FL/B.C.-MN)  
 Dates.- (stray?)  
 Hosts.- grass (Gramineae)  
 9367 **dubitans** (Walker, 1856) (McD 2368)  
     *insignata* (Walker, 1857)  
     *sputator* (Grote, 1873)  
     *sputatrix* (Grote, 1875)  
     ? *lutosa*.- Rings & Rings, 2002, misid. (not Andrew, 1877)  
 Range.- I-(IV?) (N.Am.: Newfd.-FL/AK-UT)  
 Dates.- Jul, Nov  
 55.32 Hosts.- ? *Conringia orientalis* (Cruciferae)  
     grass (Gramineae)

**OLIGIA** Hübner, [1821]

- Procus* Oken, 1815, suppr. (ICZN Op. 417)  
*Miana* Stephens, 1829  
*Procus* Agassiz, 1846  
*Photedes* Lederer, 1857  
*Phothedes* Lederer, 1857, missp.  
*Mesoligia* Boursin, 1965  
 9406 **fractilinea** (Grote, 1874) (McD 2426) **51.14**

- f. *vulgivaga* (Morrison, 1874)  
 f. *modiola* (Grote, 1879)  
 f. *misera* (Grote, 1881)  
 f. *una* (Strecker, 1900)  
*mactatoides* Barnes & McDunnough, 1912  
 Lined stalk borer  
 Range.- I-VI (e. N.Am.: Que.-FL/MN-TX)  
 Dates.- Feb, Jun  
 Hosts.- *Phleum pratense* (Gramineae)  
*Zea mays* (Gramineae)
- MEROPLEON** Dyar, 1924  
 9425 **cosmion** Dyar, 1924 (McD 2867)  
 Range.- I-VII (se. U.S.: MD-FL/AR-TX)  
 Dates.- Jan, Nov-Dec  
 Hosts.- *Erianthus giganteus* (Gramineae)  
*Phalaris* sp. (Gramineae)  
*Saccharum officinarum* (Gramineae)  
*Zea mays* (Gramineae)
- LEMMERIA** Barnes & Benjamin, 1926  
*Brachycosmia* Hampson, 1906, preocc. (Butler, 1890)  
 9429 **digitalis** (Grote, 1882) (McD 2214)  
 Range.- I-III (e. N.Am.: N.B.-FL/KS-TX?)  
 Dates.- Sep (stray?)  
 Hosts.- Unknown
- CHORTODES** Tutt, 1897  
 9441 **enervata** (Guenée, 1852) (McD 2700)  
*fodiens* (Guenée, 1852)  
 Range.- I-II (se. U.S.: NC-FL/MS-LA)  
 Dates.- May  
 Hosts.- Unknown
- FRANCLEMONTIA** Ferguson, 1992  
 9444 **interrogans** (Walker, 1856) (McD 2710.1)  
 Range.- I (se. U.S.: SC-FL/AL-LA)  
 Dates.- Apr  
 Hosts.- *Arundinaria* sp. (Gramineae)
- ARCHANARA** Walker, 1866  
*Archarana* Viette, 1947, missp.  
 9449 **oblonga** (Grote, 1882) (McD 2439)  
*permagna* (Grote, 1883)  
*subcarnea* (Kellicott, 1883)  
 Range.- I-VI (N.Am.: N.S.-FL/B.C.-TX)  
 Dates.- Apr-May, Aug, Nov-Dec  
 Hosts.- *Scirpus* sp. (Cyperaceae)  
*Typha* sp., *T. angustifolia* (Typhaceae) [stem borer]
- PARAPAMEA** Bird, 1927  
*Parapemea* Tietz, 1972, missp.  
 9463 **buffaloensis** (Grote, 1877) (McD 2532)  
*latia* (Strecker, 1899)  
 f. *simplicissima* (Bird, 1916)  
 Range.- I-II (e. U.S.: NY-FL/WI-TX)  
 Dates.- Sep  
 Hosts.- *Saururus cernuus* (Saururaceae) [root borer]
- PAPAPEMA** J. B. Smith, 1899  
*Gortyna*.- auct. (not Ochsenheimer, 1816)  
*Hydroecia* auct., missp. (not Guenée, 1841)  
*Ochria*.- Grote, 1874 (not Hübner, [1821])  
*Apamea*.- Grote, 1874 (not Ochsenheimer, 1816)
- Emboloecia* Hampson, 1908  
*Paipema* Rockburne & Hardwick, 1970, missp.  
 9465 **duovata** (Bird, 1902) (McD 2511)  
*rutila*.- (Bird, 1900), misid. (not Guenée, 1852)  
 Range.- II (Atlantic Coast: NY-FL)  
 Dates.- Nov  
 Hosts.- *Solidago sempervirens* (Compositae)  
 9466 **cataphracta** (Grote, 1864) (McD 2510)  
 Burdock borer  
 Range.- I (e. N.Am.: Que.-FL/MN-TX)  
 Dates.- Sep  
 Hosts.- *Arctium* sp. (Compositae)  
*Aster* sp. (Compositae)  
*Eupatorium* sp. (Compositae)  
*Helianthus* sp. (Compositae)  
*Iris* sp. (Iridaceae)  
*Lilium* sp. (Liliaceae)  
*Lycopersicon esculentum* (Solanaceae)
- 49.1** 9469 **polymniae** Bird, 1917 (McD 2499)  
 Range.- I-IV (se. U.S.: MD-FL/TN-MS)  
 Dates.- Dec  
 Hosts.- *Aralia* sp. (Araliaceae)  
*Polymnia uvedalia* (Compositae)
- 51.13** 9472 **harrisii** (Grote, 1881) (McD 2501)  
*harrisii* (Grote, 1890), missp.  
 f. *rubiginosa* Bird, 1911  
*mulieris* Strand, 1916  
 Range.- I (e. N.Am.: Newfd.-FL/WI-AL)  
 Dates.- Aug (stray?)  
 Hosts.- *Angelica* sp. (Umbelliferae)  
*Heracleum* sp. (Umbelliferae)
- 9481 **stenocelis** (Dyar, 1907) (McD 2480)  
*stenocelis* auct., missp.  
 Chain fern borer  
 Range.- I-II (Atlantic/Gulf Coasts: MA-FL-TX)  
 Dates.- Jul-Aug  
 Hosts.- *Woodwardia* sp. *W. virginica* (Polypodiaceae)
- 9482 **speciosissima** (Grote & Robinson, 1868) (McD 2482)  
 f. *regalis* Wyatt & Beer, 1927  
 Osmunda borer  
 Range.- I-VIII (e. U.S.: ME-FL/MI-IN)  
 Dates.- Feb-Mar, May, Jul, Oct  
 Hosts.- *Osmunda* sp., *O. cinnamomea*, *O. regalis* (Osmundaceae)
- 9493 **appassionata** (Harvey, 1876) (McD 2479)  
*appassionata* auct., missp.  
*harni* Strand, 1915  
 Pitcher-plant borer  
 Range.- I (e. N.Am.: N.S.-FL/WI-MS)  
 Dates.- Aug-Sep  
 Hosts.- *Sarracenia* sp. (Sarraceniaceae)
- ACHATODES** Guenée, 1852  
 9520 **zeae** (Harris, 1841) (McD 2711)  
*sandix* Guenée, 1852  
 Elder shoot borer  
 Range.- I-VI (e. N.Am.: Ont.-FL/WI-CO-TX)  
 Dates.- Feb-Jun  
 Hosts.- *Alnus* sp. (Betulaceae)  
*Dahlia variabilis* (Compositae)  
*Sambucus* sp., *S. canadensis*, *S. nigra*, *S. simpsonii*
- 51.15**

- (Caprifoliaceae)  
*Triticum aestivum* (Gramineae)  
*Zea mays* (Gramineae)
- IODOPEPLA** Franclemont, 1964  
 9522 **u-album** (Guenée, 1852) (McD 2544)  
     *v-album* (Walker, 1856), missp.  
     *w-album* (Grote, 1874), missp.  
     *baliola* (Morrison, 1874)  
     *purpuripennis* (Grote, 1875)  
 Range.- I-VIII (e. U.S.: MA-FL/IL-TX)  
 Dates.- Jan-Dec  
 Hosts.- Unknown
- BELLURA** Walker, 1865  
     *Arzama* Walker, 1865  
     *Sphida* Grote, 1878  
     *Arzamopsis* Dyar, 1922  
 9523 **gortynoides** Walker, 1865 (McD 2708/2709)  
     *vulnifica* (Grote, 1873)  
     *f. diffusa* (Grote, 1878)  
     *f. melanopyga* (Grote, 1881)  
 Range.- I-VI (e. N.Am.: N.S.-FL/MI-MS)  
 Dates.- Jan-Nov  
 Hosts.- ?*Nymphaea* sp. (Nymphaeaceae)  
     *Nuphar* sp., *N. advena*, *N. luteum* (Nymphaeaceae)  
     ? *Pontederia cordata* (Pontederiaceae)  
     ? *Typha* sp. (Typhaceae)  
 9524 **brehmei** (Barnes & McDunnough, 1916) (McD 2704)  
 Range.- II-IV (Atlantic/Gulf Coasts: NJ-FL-TX)  
 Dates.- Feb  
 Hosts.- *Typha angustifolia* (Typhaceae)  
 9525 **obliqua** (Walker, 1865) (McD 2703/2706/2707)  
     *obliquata* (Grote & Robinson, 1868)  
     a) **anoa** (Dyar, 1913)  
         Cattail borer  
 Range.- I-VIII (e. N.Am.: N.S.-FL/MN-TX) [so. subsp.]  
 Dates.- Jan-May, Aug-Dec  
 Hosts.- *Nelumbo* sp. (Nelumbonaceae)  
     *Pontederia cordata* (Pontederiaceae)  
     *Sagittaria* sp. (Alismataceae)  
     *Sparganium* sp. (Sparganiaceae)  
     *Symplocarpus foetidus* (Araceae)  
     *Typha latifolia* (Typhaceae)  
 9526 **densa** (Walker, 1865) (McD 2705)  
     *oecogenes* (Dyar, 1913)  
     Pickerelweed borer  
 Range.- I-VII (e. U.S.: MD-FL/IL-TX)  
 Dates.- Jan-Nov  
 Hosts.- *Colocasia esculenta* (Araceae)  
     ? *Eichhornia crassipes* (Pontederiaceae)  
     *Pontederia* sp. (Pontederiaceae)  
     *Typha latifolia* (Typhaceae)
- EUPLEXIA** Stephens, 1829  
 9545 **benesimilis** McDunnough, 1922 (McD 2533)  
 Range.- I-IV (e. N.Am.: Newfd.-FL/AK-AR)  
 Dates.- Sep  
 Hosts.- *Alnus* sp. (Betulaceae)  
     *Aster* sp. (Compositae)  
     *Betula* sp. (Betulaceae)  
     *Helianthus* sp. (Compositae)  
     *Peridium aquilinum* var. *latiusculum* (Polypodiaceae)  
     *Salix* sp. (Salicaceae)
- Trillium* sp. (Orchidaceae)  
*Viburnum* sp. (Caprifoliaceae)  
 ferns
- CHYTONIX** Grote, 1874  
     *Chytonyx* Neave, 1939, missp.  
 9556 **palliatricula** (Guenée, 1852) (McD 2554) **53.29-30**  
     *f. iaspis* (Guenée, 1852)  
 Range.- I-III (e. N.Am.: N.S.-FL/Sask.-CO-TX)  
 Dates.- Apr, Jul, Oct  
 Hosts.- Unknown  
 9557 **sensilis** Grote, 1881 (McD 2555) **53.31**  
     *f. submediana* Strand, 1916  
     *macdonaldi* Benjamin, 1922  
 Range.- I-III (e. N.Am.: Que.-FL/MI-TX)  
 Dates.- Apr, Aug, Oct-Nov  
 Hosts.- Unknown
- DYPTERYGIA** Stephens, 1829  
     *Dipterygia* Agassiz, 1846, missp.  
 9560 **rozmani** Berio, 1974 (McD 2587) **53.35**  
     *scabriuscula*.- auct. (not Linnaeus, 1758)  
 Range.- I-III (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- May-Jun, Aug-Sep  
 Hosts.- *Plantago* sp. (Plantaginaceae)  
     *Polygonum* sp. (Polygonaceae)  
     *Rumex* sp. (Polygonaceae)  
 9561 **patina** (Harvey, 1875) (McD 2588) **53.36**  
     *minorata* Barnes, 1907  
 Range.- I-VI (e. U.S.: NC-FL/AR-TX; Mex.-C. Am.)  
 Dates.- Jan-Dec  
 Hosts.- *Polygala cumulicola* (Polygalaceae)  
 9562.1 **punctirena** (Walker, 1857) (McD --)  
     *praecellens* (Möschler, 1886)  
 Range.- VIII (FL; West Indies)  
 Dates.- Mar  
 Hosts.- Unknown  
 \*9562.2 [**n. sp.**]  
 Range.- VI-VIII (Florida)  
 Dates.- ?  
 Hosts.- Unknown
- NEDRA** Clarke, 1940  
     *Delta*.- auct. (not Saalmüller, 1891)  
 9582 **ramosula** (Guenée, 1852) (McD 2589) **53.37**  
 Range.- I-III (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Feb-Apr, Jun-Jul, Sep  
 Hosts.- *Hypericum perforatum* (Guttiferae)
- PROPERIGEA** Barnes & Benjamin, 1926  
     *Neperigea* McDunnough, 1937  
 9592 **tapeta** (J. B. Smith, 1900) (McD 2635) **55.15**  
 Range.- I-VI (s. U.S.: [GA]/FL-AZ)  
 Dates.- Feb-Dec  
 Hosts.- Unknown
- PHOSPHILA** Hübner, 1818  
     *Helioscotia* Grote, 1895  
 9618 **turbulenta** Hübner, 1818 (McD 2548) **53.27**  
     *arcuata* (Walker, 1857)  
 Range.- I-VI (e. U.S.: ME-FL/IL-TX)  
 Dates.- Jan-Apr, Sep-Oct, Dec

- Hosts.- *Smilax* sp., *S. rotundifolia* (Smilacaceae)  
*Solanum carolinense* (Solanaceae)  
 9619 **miselioides** (Guenée, 1852) (McD 2549) **53.28**  
     f. *miscellus* (J. B. Smith, 1902  
     *miselioides* Rings & Rings, 2002, missp.  
 Range.- I-VI (e. N.Am.: ME-FL/Man.-NM)  
 Dates.- Jan-Oct, Dec  
 Hosts.- ?*Quercus* sp. (Fagaceae)  
     *Smilax* sp., *S. auriculata*, *S. rotundifolia* (Smilacaceae)  
     *Verbena* sp. (Verbenaceae)
- SPEOCROPIA** Hampson, 1908  
 9625 **trichoma** (Herrich-Schäffer, 1868) (McD 2550.1) T **51.16**  
     *trichoma* Kimball, 1965, missp.  
 Range.- VIII (FL; West Indies)  
 Dates.- Oct  
 Hosts.- Unknown
- FAGITANA** Walker, 1865  
     *Pseudolimacodes* Grote, 1874  
 9629 **littera** Guenée, 1852) (McD 2543) **53.25**  
     *lucidata* Walker, 1865  
     *niveicostatus* (Grote, 1874)  
 Range.- I-IV (e. N.Am.: Ont.-FL/MI-TX)  
 Dates.- Mar-May  
 Hosts.- *Dryopteris thelypteris* (Aspidiaceae)
- CALLOPISTRIA** Hübner, [1821]  
     *Lagopus* Reichenbach, 1817, preocc. (Brisson, 1760)  
     *Eriopus* Treitschke, 1825  
     *Calopistria* Stephens, 1850, missp.  
     *Methorasa* Moore, 1881  
     *Herrichia* Grote, 1882, preocc. (Staudinger, 1871)  
     *Euherrichia* Grote, 1882  
     *Haploolophus* Butler, 1891  
     *Metathorasa* auct., missp.  
 9630 **floridensis** (Guenée, 1852) (McD 2538) **53.23**  
     *elegantulus* Herrich-Schäffer, 1868  
     *strena* Grote, 1895  
     Florida fern caterpillar  
 Range.- I-VIII (se. U.S.: SC-FL/AR-TX; Mex.-S. Am.)  
 Dates.- Jan-Dec  
 Hosts.- ferns  
     *Adiantum* sp., *A. pedatum* (Adiantaceae)  
     *Aglaomorpha* sp. (Polypodiaceae)  
     ?*Asparagus sprengeri* (Liliaceae)  
     *Asplenium nidus* (Aspleniaceae)  
     *Blechnum* sp. (Polypodiaceae)  
     *Cyrtomium* sp., *C. falcatum* (Polypodiaceae)  
     *Davallia* sp. (Davalliaceae)  
     *Drynaria quercifolia* (Polypodiaceae)  
     *Nephrolepis* sp., *N. exaltata*, *N. exaltata* var. *whitmani* (Polypodiaceae)  
     *Platyterium bifurcatum* (Polypodiaceae)  
     *Polypodium* sp. (Polypodiaceae)  
     *Polystichum adiantiforme* (Polypodiaceae)  
     *Pteris* sp. (Pteridaceae)  
     *Rumohra adiantiformis* (Polypodiaceae)  
     *Smilax rotundifolia* (Smilacaceae)  
     *Thelypteris* sp. (Polypodiaceae)  
     *Woodwardia radicans*, *W. virginica* (Polypodiaceae)
- ceae)  
 9630.1 **jamaicensis** (Möschler, 1886) (McD --) T  
 Range.- VIII (FL; West Indies)  
 Dates.- Mar (stray)  
 Hosts.- Unknown  
 9631 **mollissima** (Guenée, 1852) (McD 2539) **53.24**  
     *rubicunda* (Walker, 1858)  
     *mollissima* Rings & Rings, 2002, missp.  
 Range.- I-VII (e. N.Am.: N.S.-FL/MI-TX)  
 Dates.- Feb-Apr, Jun  
 Hosts.- ferns  
 9632 **granitosa** (Guenée, 1852) (McD 2542) **50.5**  
     *argentina* Walker, 1858  
 Range.- I-IV (e. U.S.: NJ-FL/MS-LA)  
 Dates.- Mar-Sep, Nov  
 Hosts.- ?ferns  
 9633 **cordata** (Ljungh, 1825) (McD 2540) **50.4**  
     *monetifera* (Guenée, 1852)  
 Range.- I-IV (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.- Feb-Sep  
 Hosts.- ferns
- PHUPHENA** Walker, 1858  
 9634 **tura** (Druce, 1889) (McD 2544.1) T  
 Range.- III-VIII (FL; West Indies; C. Am.-S. Am.)  
 Dates.- Jan-Oct, Dec  
 Hosts.- Unknown  
 \*9635 **obliqua** (J. B. Smith, 1900) (McD 2545) **53.26**  
 Range.- III-VIII (Florida)  
 Dates.- Jan-Oct, Dec  
 Hosts.- Unknown
- ACHERDOA** Walker, 1865  
     *Varina* Neumoegen, 1884  
 9636 **ferraria** Walker, 1865 (McD 2866) **50.27**  
     *ornata* (Neumoegen, 1884)  
 Range.- I-VI (se. U.S.: NC-FL/MS-LA)  
 Dates.- Jan-Dec  
 Hosts.- Unknown
- AMPHIPYRINI**
- MAGUSA** Walker, 1857  
     *Sasunaga* Moore, 1881  
     *Callixena* Saalmüller, 1891  
 9637 **orbifera** (Walker, 1857) (McD 2684) T **55.23**  
     *strigifera* Walker, 1857  
     f. *divaricata* (Grote, 1874)  
     *sarpida* R. Felder, 1874  
     *discidens* R. Felder, 1874  
     *angustipennis* (Möschler, 1886)  
     *divida* (Möschler, 1890)  
     f. *orbiferella* Strand, 1916  
     *orbiferana* Strand, 1916  
     *perversa* Strand, 1916  
 Range.- I-VIII (e. N.Am.: Ont.-FL/WI-TX; West Indies; Mex.-Brazil)  
 Dates.- Jan-Dec  
 Hosts.- *Karwinskia humboldtiana* (Rhamnaceae)  
     *Krugiodendron ferreum* (Rhamnaceae)
- AMPHIPYRA** Ochsenheimer, 1816  
     *Scotophila* Hübner, [1821]  
     *Pyrophila* Stephens, 1829  
     *Phlopyra* Guenée, 1837

- 9638 **pyramidoides** Guenée, 1852 (McD 2584)  
*inornata* Grote, 1864  
*consersa* Riley, 1871  
 f. *carbonita* Franclemont, 1941  
*pyramidoies* Tietz, 1972, missp.  
 Pyramidal fruitworm; Copper underwing  
 Range.- I-II (N.Am.: Que.-FL/B.C.-TX; Mex.)  
 Dates.- Jul-Nov  
 Hosts.- *Acer* sp., *A. negundo* (Aceraceae)  
*Carya cordiformis*, *C. laciniosa*, *C. tomentosa*  
 (juglandaceae)  
*Castanea dentata* (Fagaceae)  
*Cercis canadensis* (Leguminosae)  
*Crataegus* sp. (Rosaceae)  
*Fragaria chiloensis* (Rosaceae)  
*Juglans cinerea*, *J. regia* (Juglandaceae)  
*Liquidambar styraciflua* (Hamamelidaceae)  
*Malus pumila* (Rosaceae)  
*Parthenocissus quinquefolia*, *P. tricuspidata* (Vitaceae)  
*Populus* sp., *P. balsamifera*, *P. deltoides*, *P. grandidentata*, *P. nigra*, var. *italica*, *P. tremuloides* (Salicaceae)  
*Prunus domestica*, *P. persica*, *P. serotina*, *P. virginiana* (Rosaceae)  
*Pyrus communis* (Rosaceae)  
*Quercus alba*, *Q. coccinea*, *Q. macrocarpa*, *Q. palustris*, *Q. rubra*, *velutina* (Fagaceae)  
*Rhododendron* sp. (Ericaceae)  
*Rosa* sp. (Rosaceae)  
*Rubus allegheniensis*, *R. idaeus* var. *strigosus* (Rosaceae)  
*Salix* sp. (Salicaceae)  
*Syringa vulgaris* (Oleaceae)  
*Tilia* sp. (Tiliaceae)  
*Ulmus* sp. (Ulmaceae)  
*Viburnum dentatum* (Capritoliaceae)  
*Vitis* sp., *V. lambrusca*, *V. vinifera*, *V. vulpina* (Vitaceae)
- 9640 **glabella** (Morrison, 1874) (McD 2586)  
 Range.- I (e. N.Am.: Que.-FL/Alb.-TX)  
 Dates.- (stray?)  
 Hosts.- Unknown
- MICRATHETIS** Hampson, 1908  
*Microthetis* Hampson, 1908, missp.
- 9644 **triplex** (Walker, 1857) (McD 2667) T **55.20**  
*spilomela* (Walker, 1865)  
*contraria* (Herrich-Schäffer, 1868)  
*conviva* (Harvey, 1876)  
 f. *subaquila* (Harvey, 1878)  
*minuscula* (Barnes & McDunnough, 1913)  
*pallidegrisea* Strand, 1916  
*obscurerubrunnea* Strand, 1916  
*benjamini* Draudt, 1926  
*obscurerubrunnea* McDunnough, 1938, missp.  
 Range.- II-VIII (FL; TX; West Indies; Mex.-C. Am.)  
 Dates.- Jan-Dec  
 Hosts.- Unknown
- ANORTHODES** J. B. Smith, 1891  
 9650 **tarda** (Guenée, 1852) (McD 2651) **55.18**  
*prima* J. B. Smith, 1891  
 Range.- I-II (e. U.S.: NH-FL/MO-TX)

- Dates.- Apr-May, Sep  
 Hosts.- *Quercus* sp. [dry leaves] (Fagaceae)
- BALSA** Walker, 1860  
*Gargaza* Walker, 1866  
*Nolaphana* Grote, 1873  
*Asisyra* Grote, 1873
- 9662 **malana** (Fitch, 1856) (McD 2669)  
*obliquifera* Walker, 1860  
*leodura* (Staudinger, 1887)  
 Many-dotted appleworm  
 Range.- I (e. N.Am.: N.S.-FL/Man.-TX; Russia-Japan)  
 Dates.- Apr, Jun  
 Hosts.- *Amelanchier canadensis* (Rosaceae)  
*Malus pumila* (Rosaceae)  
*Populus* sp. (Salicaceae)  
*Prunus cerasus*, *P. domestica* (Rosaceae)  
*Pyrus* sp., *P. communis* (Rosaceae)  
*Ulmus* sp., *U. americana* (Ulmaceae)
- 9664 **labecula** (Grote, 1880) (McD 2671)  
 Range.- I (e. N.Am.: Que.-FL/Man.-TX)  
 Dates.- Apr  
 Hosts.- Unknown
- SPODOPTERA** Guenée, 1852  
*Laphygma* Guenée, 1852  
*Prodenia* Guenée, 1852  
*Ariathisa* Walker, 1865  
*Eulaphygma* Butler, 1890  
*Spodosoma* auct., 1966, missp.
- 9665 **exigua** (Hübner, [1803-08]) (McD 2683) T **50.14**  
*fulgens* (Geyer, [1828-32])  
*pygmaea* (Rambur, 1834)  
*unceti* (Zeller, 1847)  
*cycloides* (Guenée, 1852)  
*caradrinoides* (Walker, 1856)  
*flavimaculata* (Walker, 1856)  
*venosa* (Butler, 1880)  
*sebhana* (Austant, 1880)  
 Beet armyworm  
 Range.- I-VIII (e. U.S.: ME-FL/NE-TX; West Indies; Mex.-S.Am.; Old World)  
 Dates.- Feb-Dec  
 Hosts.- *Allium cepa* (Liliaceae)  
*Amaranthus retroflexus*, *A. spinosus* (Amaranthaceae)  
*Anthemis* sp. (Compositae)  
*Apium graveolens* (Umbelliferae)  
*Arachis hypogaea* (Leguminosae)  
*Asparagus officinalis* (Liliaceae)  
*Asplenium* sp. (Aspleniaceae)  
*Atriplex* sp. (Chenopodiaceae)  
*Beta vulgaris* (Chenopodiaceae)  
*Brassica oleracea*, *B. oleracea* var. *botrytis* (Cruciferae)  
*Bucida buceras* (Combretaceae)  
*Capsicum annuum*, *C. frutescens* (Solanaceae)  
*Cardamine* sp. (Cruciferae)  
*Cestrum diurnum* (Solanaceae)  
*Chenopodium album* (Chenopodiaceae)  
*Chrysanthemum* sp., *C. morifolium* (Compositae)  
*Cissus rhombifolia* (Vitaceae)  
*Citrus* sp., *C. paradisi*, *C. sinensis* (Rutaceae)

- Cleome* sp. (Capparidaceae)  
*Cynodon dactylon* (Gramineae)  
*Dieffenbachia* sp. (Araliaceae)  
*Eustoma grandiflorum* (Gentianaceae)  
*Gardenia thunbergia* (Rubiaceae)  
*Gerbera* sp. (Compositae)  
*Gladiolus* sp. (Iridaceae)  
*Gossypium herbacium* (Malvaceae)  
*Gypsophila* sp., *G. elegans* *G. paniculata* (Caryophyllaceae)  
*Helianthus* sp., *H. annuus* (Compositae)  
*Hibiscus* sp., *H. cannabinus* (Malvaceae)  
*Ipomoea batatas* (Convolvulaceae)  
*Lactuca sativa* (Compositae)  
*Limonium* sp. (Plumbaginaceae)  
*Lycopersicon esculentum* (Solanaceae)  
*Malus pumila* (Rosaceae)  
*Malva* sp., *M. rotundifolia* (Malvaceae)  
*Maranta* sp. (Marantaceae)  
*Medicago sativa* (Leguminosae)  
*Nandina* sp. (Nandiniaceae)  
*Nasturtium officinale* (Cruciferae)  
*Nerium oleander* (Apocynaceae)  
*Nicotiana glauca*, *N. rustica* (Solanaceae)  
*Pelargonium hortorum* (Geraniaceae)  
*Pennisetum purpureum* (Gramineae)  
*Petunia* sp., *P. hybrida* (Solanaceae)  
*Phaseolus vulgaris* (Leguminosae)  
*Pisum sativum* (Leguminosae)  
*Plantago* sp. (Plantaginaceae)  
*Pteris cretica* (Polypodiaceae)  
*Ricinus communis* (Euphorbiaceae)  
*Rosa* sp. (Rosaceae)  
*Salsola iberica* (Chenopodiaceae)  
*Schefflera arboricola* (Araliaceae)  
*Sesbania* sp. (Leguminosae)  
*Solanum melongena*, *S. tuberosum* (Solanaceae)  
*Sorghum* sp. (Gramineae)  
*Vaccinium ashei* (Ericaceae)  
*Zea mays* Linn. (corn) (Gramineae)  
 grass (Gramineae)
- 9666 **frugiperda** (J. E. Smith, 1797) (McD 2682) T **55.21-22**  
*macra* (Guenée, 1852)  
*inepta* (Walker, 1856)  
*plagiata* (Walker, 1856)  
*signifera* (Walker, 1856)  
*autumnalis* (Riley, 1871)  
*fulvosa* (Riley, 1871)  
*obscura* (Riley, 1876)  
 Fall armyworm
- Range.— I-VIII (e. N.Am.: Que.-FL/ND-TX; West Indies; Mex.-Argentina; Israel [introd.])  
 Dates.— Jan-Dec  
 Hosts.— *Abelmoschus esculentus* (Malvaceae)  
*Acalypha* sp. (Euphorbiaceae)  
*Agrostis alba*, *A. hyemalis* (Gramineae)  
*Allium* sp., *A. cepa* (Alliaceae)  
*Aloe vera* (Liliaceae)  
*Althaea rosea* (Malvaceae)  
*Amaranthus* sp. (Amaranthaceae)  
*Andropogon virginicus* (Gramineae)  
*Arachis hypogaea* (Leguminosae)  
*Asclepias* sp. (Asclepiadaceae)  
*Asparagus officinalis* (Liliaceae)  
*Atropa belladonna* (Solanaceae)  
*Avena sativa* (Gramineae)  
*Beta vulgaris* (Chenopodiaceae)  
*Bidens pilosa* (Compositae)  
*Brassica oleracea*, *B. oleracea* var. *viridis*, *B. rapa* (Cruciferae)  
*Capsicum annuum*, *C. frutescens* var. *grossum* (Solanaceae)  
*Carex* sp. (Cyperaceae)  
*Carissa* sp. (Apocynaceae)  
*Carya* sp., *C. illinoensis* (Juglandaceae)  
*Cenchrus pruciflorus* (Gramineae)  
*Chamaerops humilis* (Palmae)  
*Chenopodium album* (Chenopodiaceae)  
*Chloris gayana* (Gramineae)  
*Chrysanthemum* sp. (Compositae)  
*Cicer arietinum* (Leguminosae)  
*Citrullus vulgaris* (Cucurbitaceae)  
*Citrus limon*, *C. nobilis* var. *unshiu*, *C. paradisi*, *C. sinensis* (Rutaceae)  
*Cocos nucifera* (Palmae)  
*Convolvulus* sp. (Convolvulaceae)  
*Croton capitatum* (Euphorbiaceae)  
*Cucumis sativus* (Cucurbitaceae)  
*Cynodon dactylon*, *C. magenisii* (Gramineae)  
*Cyperus rotundus* (Cyperaceae)  
*Dactyloctenium aegyptium* (Gramineae)  
*Dahlia variabilis* (Compositae)  
*Digitaria ischaemum*, *D. sanguinalis* (Gramineae)  
*Eichhornia crassipes* (Pontederiaceae)  
*Euchlaena mexicana* (Gramineae)  
*Fagopyrum sagittatum* (Polygonaceae)  
*Fragaria chiloensis* (Rosaceae)  
*Geranium* sp. (Geraniaceae)  
*Gladiolus* sp. (Iridaceae)  
*Glycine max* (Leguminosae)  
*Gossypium herbacium* (Malvaceae)  
*Hordeum vulgare* (Gramineae)  
*Ipomoea batatas*, *I. purpurea* (Convolvulaceae)  
*Lagerstroemia* sp. (Lythraceae)  
*Leea coccinea* (Leeaceae)  
*Lycopersicon esculentum* (Solanaceae)  
*Malus pumila* (Rosaceae)  
*Mangifera indica* (Anacardiaceae)  
*Maranta* sp., *M. leuconeura* (Marantaceae)  
*Medicago sativa* (Leguminosae)  
*Mucuna deeringiana* (Leguminosae)  
*Nicotiana tabacum* (Solanaceae)  
*Onosmodium virginianum* (Goraginiaceae)  
*Oryza sativa* (Gramineae)  
*Panicum miliaceum*, *P. purpurascens*, *P. texanum* (Gramineae)  
*Paspalum notatum* (Gramineae)  
*Pelargonium hortorum* (Geraniaceae)  
*Pennisetum americanum*, *P. glaucum* (Gramineae)  
*Phaseolus limensis*, *P. vulgaris* (Leguminosae)  
*Philodendron cordatum* (Araceae)  
*Phleum pratense* (Gramineae)  
*Phoenix roebelenii* [buds] (Palmae)  
*Phytolacca* sp. (Phytolaccaceae)  
*Pisum sativum* (Leguminosae)  
*Pittosporum tobira* (Pittosporaceae)  
*Platanus occidentalis* (Platanaceae)  
*Poa annua*, *P. pratensis* (Gramineae)

- Portulaca oleracea* (Portulacaceae)  
*Prunus persica* (Rosaceae)  
*Psidium guajava* (Myrtaceae)  
*Rosa* sp. (Rosaceae)  
*Saccharum officinarum* (Gramineae)  
*Secale cereale* (Gramineae)  
*Setaria italica* (Gramineae)  
*Solanum* sp., *S. annuum*, *S. dulcamara*, *S. tuberosum* (Solanaceae)  
*Sorghum bicolor*, *S. bicolor* 'Caffrorum' group, *S. bicolor* 'Saccharatum' group, *S. halepense*, *S. sudanensis* (Gramineae)  
*Spinacia oleracea* (Chenopodiaceae)  
*Trifolium* sp., *T. pratense*, *T. repens* (Leguminosae)  
*Triticum aestivum* (Gramineae)  
*Vaccinium macrocarpum* (Ericaceae)  
*Vigna sinensis* (Leguminosae)  
*Viola* sp. (Violaceae)  
*Vitis* sp., *V. vinifera* (Vitaceae)  
*Wisteria hispida* (Leguminosae)  
*Xanthium strumarium* (Compositae)  
*Yucca elephantipes* (Agavaceae)  
*Zea mays* (Gramineae)  
*Zoysia* sp. (Gramineae)  
 grass (Gramineae)
- 9668 **pulchella** (Herrich-Schäffer, 1868) (McD 2677.1) T  
*exquisita* (Möschler, 1886)  
 Caribbean armyworm  
 Range.- IV-VIII (FL; West Indies)  
 Dates.- Jan, Dec  
 Hosts.- *Gossypium herbaceum* (Malvaceae)
- 9669 **ornithogalli** (Guenée, 1852) (McD 2678) T **50.18**  
*eudiotpa* (Guenée, 1852)  
*variola* (Walker, 1857)  
*lineatella* (Harvey, 1875)  
*flavimedia* (Harvey, 1875)  
*eudiotoides* (Barnes & Benjamin, 1923)  
 Yellow-striped armyworm; Cotton cutworm  
 Range.- I-VIII (e. N.Am.: Ont.-FL/WI-TX; West Indies; Mex.-Brazil)  
 Dates.- Jan-Dec  
 Hosts.- *Abelmoschus esculentus* (Malvaceae)  
*Aleurites fordii* (Euphorbiaceae)  
*Allium cepa*, *A. cernuum* (Alliaceae)  
*Alternanthera* sp., *A. philoxeroides* (Amaranthaceae)  
*Amaranthus hybridus*, *A. retroflexus*, *A. spinosus* (Amaranthaceae)  
*Apium graveolens* var. *dulce* (Umbelliferae)  
*Arecastrum romanzoffianum* (Palmae)  
*Asparagus officinalis*, *A. setaceus*, *A. sprengeri* (Liliaceae)  
*Aster* sp. (Compositae)  
*Begonia* sp., *B. pustulata* (Begoniaceae)  
*Beta vulgaris* (Chenopodiaceae)  
*Blechnum* sp. (Polypodiaceae)  
*Brassia actinophylla* (Araliaceae)  
*Brassica oleracea*, *B. rapa* (Cruciferae)  
*Brugmansia arborea*, *B. x candida* (Solanaceae)  
*Bucida buceras* (Combretaceae)  
*Caladium* sp. (Araceae)  
*Calathea* sp. (Marantaceae)  
*Calendula* sp. (Compositae)  
*Calystegia sepium* (Convolvulaceae)
- Capsicum* sp. (Solanaceae)  
*Cattleya* sp. (Orchidaceae)  
*Celosia* sp. (Amaranthaceae)  
*Cestrum* sp., *C. diurnum*, *C. nocturnum* (Solana-ceae)  
*Chenopodium album* (Chenopodiaceae)  
*Chrysanthemum x morifolium* (Compositae)  
*Citrullus vulgaris* (Cucurbitaceae)  
*Citrus* sp., *C. sinensis* (Rutaceae)  
*Conyza canadensis* (Compositae)  
*Cosmos bipinnatus* (Compositae)  
*Crassula argentea* (Crassulaceae)  
*Cucumis sativus* (Cucurbitaceae)  
*Cucurbita* sp. (Cucurbitaceae)  
*Datura stramonium* (Solanaceae)  
*Dianthus* sp. (Caryophyllaceae)  
*Dichorisandra musaica* (Commelinaceae)  
*Digitalis* sp. (Scrophulariaceae)  
*Dracaena marginata* (Agavaceae)  
*Eichhornia crassipes* (Pontederiaceae)  
*Eriobotrya japonica* (Rosaceae)  
*Ficus retusa* (Moraceae)  
*Gardenia jasminoides*, *G. thunbergia* (Rubiaceae)  
*Geranium* sp. (Geraniaceae)  
*Gladiolus* sp. (Iridaceae)  
*Glycine max* (Leguminosae)  
*Gossypium herbaceum* (Malvaceae)  
*Hedera helix* (Araliaceae)  
*Helianthus* sp. (Compositae)  
*Heliconia* sp. (Heliconiaceae)  
*Hibiscus rosa-sinensis*, *H. syriacus* (Malvaceae)  
*Ipomoea alba*, *I. batatas*, *I. purpurea* (Convolvulaceae)  
*Ixora* sp. (Rubiaceae)  
*Jasminum* sp. (Oleaceae)  
*Juniperus* sp. (Cupressaceae)  
*Lactuca sativa* (Compositae)  
*Lagerstroemia indica* (Lythraceae)  
*Litchi chinensis* (Sapindaceae)  
*Lycopersicon esculentum* (Solanaceae)  
*Medicago sativa* (Leguminosae)  
*Melaleuca quinquenervia* (Myrtaceae)  
*Momordica charantia* (Cucurbitaceae)  
*Nicandra physalodes* (Solanaceae)  
*Nicotiana tabacum* (Solanaceae)  
*Nymphaea* sp. (Nymphaeaceae)  
*Oxalis* sp. (Oxalidaceae)  
*Paspalum notatum* (Gramineae)  
*Pelargonium hortorum* (Geraniaceae)  
*Peperomia* sp. (Piperaceae)  
*Petunia* sp., *P. axillaris* (Solanaceae)  
*Phaseolus vulgaris* (Leguminosae)  
*Philodendron* sp., *P. cordatum*, *P. hastatum*, *P. mandaianum*, *P. minarium*, *P. panduriforme*, *P. pertusum*, *P. selloum* (Araceae)  
*Phytolacca americana* (Phytolaccaceae)  
*Pilea* sp. (Urticaceae)  
*Pisum sativum* (Leguminosae)  
*Plantago lanceolata* (Plantaginaceae)  
*Populus deltoides* (Salicaceae)  
*Portulacaria afra* (Portulacaceae)  
*Prunus persica* (Rosaceae)  
*Rheum rhabarbarum* (Polygonaceae)

- Rhododendron* sp. (Ericaceae)  
*Ricinus communis* (Euphorbiaceae)  
*Rosa* sp. (Rosaceae)  
*Rubus allegheniensis*, *R. idaeus* var. *strigosus* (Rosaceae)  
*Rumex* sp. (Polygonaceae)  
*Saxifraga stolonifera* (Saxifragaceae)  
*Schefflera arboricola* (Araliaceae)  
*Scindapsus aureus* (Araceae)  
*Sedum* sp. (Crassulaceae)  
*Sida spinosa* (Malvaceae)  
*Solanum carolinense*, *S. tuberosum* (Solanaceae)  
*Solidago leavenworthii* (Compositae)  
*Strelitzia* sp. (Musaceae)  
*Syngonium* sp. (Araceae)  
*Syzygium cumini* (Myrtaceae)  
*Tabebuia* sp. (Bignoniaceae)  
*Tagetes* sp. (Compositae)  
*Thaumatococcus danianum* (Araceae)  
*Thunbergia erecta* (Thunbergiaceae)  
*Tragopogon porrifolius* (Compositae)  
*Vernonia noveboracensis* (Compositae)  
*Viola* sp. (Violaceae)  
*Vitis* sp., *V. rotundifolia* (Vitaceae)  
*Xanthium* sp. (Compositae)  
*Yucca elephantipes* (Agavaceae)  
*Zantedeschia* sp. (Araceae)  
*Zinnia* sp., *Z. elegans* (Compositae)  
 grass (Gramineae)
- 9670 **latifascia** (Walker, 1856) (McD 2680) T **50.17, 19**  
*latifascia* (Tietz, 1972), missp.  
 Garden armyworm  
 Range.— I–VIII (se. U.S.: SC–FL/AR–TX; West Indies; Mex.–Argentina)  
 Dates.— Jan–Dec  
 Hosts.— *Acacia auriculiformis* (Leguminosae)  
*Aerides* sp. (Orchidaceae)  
*Allium* sp. (Liliaceae)  
*Alocasia* sp. (Araceae)  
*Annona squamosa* (Annonaceae)  
*Anthurium* sp. *A. hookeri* (Araceae)  
*Asparagus setaceus*, *A. sprengeri* (Liliaceae)  
*Aucuba japonica* (Cornaceae)  
*Beaumontia grandiflora* (Apocynaceae)  
*Begonia* sp. (Begoniaceae)  
*Brassica actinophylla* (Araliaceae)  
*Brassica juncea* (Cruciferae)  
*Caladium* sp. (Araceae)  
*Calathea lousiae* (Marantaceae)  
*Capsicum frutescens* (Solanaceae)  
*Cercis canadensis* (Leguminosae)  
*Chlorophytum comosum* (Liliaceae)  
*Chrysalidocarpus lutescens* [buds] (Palmae)  
*Chrysanthemum* sp., *C. morifolium* (Compositae)  
*Cissus rhombifolia* (Vitaceae)  
*Citroncirus webberi* 'Swingle' (Rutaceae)  
*Citrus* sp., *C. grandis* (Rutaceae)  
*Coccoloba uvifera* (Polygonaceae)  
*Coffea arabica* (Rubiaceae)  
*Columnea* sp. (Gesneriaceae)  
*Crassula arborescens*, *C. argentea* (Crassulaceae)  
*Cupressus sempervirens* (Cupressaceae)  
*Dichorisandra thyrsiflora* (Commelinaceae)  
*Dieffenbachia* sp., *D. amoena*, *D. maculata* (Ara-  
 ceae)
- Diodia teres* (Rubiaceae)  
*Dracaena deremensis*, *D. marginata* (Agavaceae)  
*Eichhornia crassipes* (Pontederiaceae)  
*Epipremnum aureum* (Araceae)  
*Exacum* sp. (Gentianaceae)  
*Ficus benjamina*, *F. lyrata* (Moraceae)  
*Gardenia jasminoides*, *G. thunbergia* (Rubiaceae)  
*Gerbera* sp., *G. jamesonii* (Compositae)  
*Gladiolus* sp. (Iridaceae)  
*Glycine max* (Leguminosae)  
*Helianthus tuberosus* (Compositae)  
*Hibiscus* sp., *H. coccineus*, *H. furcellatus*, *H. mili-*  
*tarius*, *H. moscheutos*, *H. rosa-sinensis*, *H.*  
*tillaceus* (Malvaceae)  
*Impatiens* sp. (Balsaminaceae)  
*Ipomoea pes-caprae* (Convolvulaceae)  
*Ixora* sp., *I. chinensis* (Rubiaceae)  
*Juniper* sp., *J. conferta* (Cupressaceae)  
*Lagerstroemia indica* (Lythraceae)  
*Lilium* sp. (Liliaceae)  
*Lycopersicon esculentum* (Solanaceae)  
*Manilkara roxburghiana* (Sapotaceae)  
*Mentha* sp. (Labiatae)  
*Mimosa pudica* (Leguminosae)  
*Monstera deliciosa* (Araceae)  
*Morrenia odorata* (Asclepiadaceae)  
*Myriophyllum aquaticum* (Haloragidaceae)  
*Nerium oleander* (Apocynaceae)  
*Nymphaea* sp. (Nymphaeaceae)  
*Peperomia* sp. (Piperaceae)  
*Phaius tankervilleae* (Orchidaceae)  
*Phaseolus* sp., *P. limensis* (Leguminosae)  
*Philodendron lundii*, *P. pertusum*, *P. scandens*, *P.*  
*selloum* (Araceae)  
*Plumbago auriculata* (Plumbaginaceae)  
*Polypodium polypodioides* (Polypodiaceae)  
*Portulaca grandiflora* (Portulacaceae)  
*Psidium guajava* (Myrtaceae)  
*Pteris cretica* (Polypodiaceae)  
*Quercus* sp. (Fagaceae)  
*Rhododendron* sp. (Ericaceae)  
*Rosa* sp. (Rosaceae)  
*Sagittaria latifolia* (Alismataceae)  
*Schefflera arboricola* (Araliaceae)  
*Schlumbergera bridgesii*, *S. truncata* (Cactaceae)  
*Scindapsus aureus* (Araceae)  
*Severinia buxifolia* (Rutaceae)  
*Solanum americanum*, *S. tuberosum*, *S. uporo*  
 (Solanaceae)  
*Swietenia mahogani* (Meliaceae)  
*Thelypteris* sp. (Polypodiaceae)  
*Theobroma cacao* (Sterculiaceae)  
*Wedelia trilobata* (Compositae)  
*Youngia japonica* (Compositae)  
*Yucca elephantipes*, *Y. oloifolia* (Agavaceae)  
*Zantedeschia* sp. (Araceae)
- 9671 **dolichos** (Fabricius, 1794) (McD 2677) T  
*commelinae* (J. E. Smith, 1797)  
 Sweetpotato armyworm  
 Range.— I–VIII (e. U.S.: ME–FL/WI–TX; West Indies; Mex.–  
 Brazil)  
 Dates.— Jan–Dec  
 Hosts.— *Amaranthus* sp. (Amaranthaceae)



- Asparagus officinalis* (Liliaceae)  
*Brassica actinophylla* (Araliaceae)  
*Brassica oleracea*, *B. rapa* (Cruciferae)  
*Carya* sp. (Juglandaceae)  
*Chlorophytum* sp. (Liliaceae)  
*Commelina communis* (Commelinaceae)  
*Cordyline terminalis* (Agavaceae)  
*Datura stramonium* (Solanaceae)  
*Eichhornia crassipes* (Pontederiaceae)  
*Geranium* sp. (Geraniaceae)  
*Gossypium herbaceum* (Malvaceae)  
*Haemanthus multiflorus* (Amaryllidaceae)  
*Hemigraphis* sp. (Acanthaceae)  
*Hibiscus* sp. (Malvaceae)  
*Ipomoea batatas* (Convolvulaceae)  
*Lupinus rivularis* (Leguminosae)  
*Lycopersicon esculentum* (Solanaceae)  
*Musa* sp. (Musaceae)  
*Nephtytis* sp. (Araceae)  
*Nicandra physalodes* (Solanaceae)  
*Nicotiana tabacum* (Solanaceae)  
*Phaseolus* sp. (Leguminosae)  
*Philodendron* sp., *P. cordatum* (Araceae)  
*Physalis* sp. (Solanaceae)  
*Rubus idaeus* var. *strigosus* (Rosaceae)  
*Solanum* sp. (Solanaceae)  
*Tradescantia virginiana* (Commelinaceae)  
*Trifolium* sp. (Leguminosae)  
*Viola* sp. (Violaceae)  
*Yucca elephantipes* (Agavaceae)  
*Zea mays* (Gramineae)  
 grasses (Gramineae)
- 9672 **eridania** (Cramer, 1781) (McD 2681) T **50.15**  
     *f. linea* (Fabricius, 1794)  
     *phytolacca* (J. E. Smith, 1797)  
     *putrida* (Guenée, 1852)  
     *amygia* (Guenée, 1852)  
     *externa* (Walker, 1856)  
     *inquieta* (Walker, 1857)  
     *bipunctata* (Walker, 1857)  
     *strigifera* (Walker, 1858)  
     *derupta* (Morrison, 1875)  
     *ignobilis* (Butler, 1878)  
     *nigrofascia* (Hulst, 1881)  
     Southern armyworm
- Range.— I-VIII (e. U.S.: NH-FL/MO-TX; West Indies;  
           Mex.-Brazil)
- Dates.— Jan-Dec
- Hosts.— *Abelmoschus esculentus* (Malvaceae)  
           *Ageratum* sp. (Compositae)  
           *Allium* sp., *A. sativum* (Liliaceae)  
           *Althaea rosea* (Malvaceae)  
           *Amaranthus hybridus*, *A. retroflexus*, *A. spinosus*  
           (Amaranthaceae)  
           *Annona* sp. (Annonaceae)  
           *Anthurium* sp. (Araceae)  
           *Antirrhinum* sp. (Scrophulariaceae)  
           *Apium graveolens* (Umbelliferae)  
           *Arachis hypogaea* (Leguminosae)  
           *Begonia* sp., *B. x rex-cultorum*, *B. cucullata* var.  
           *Hookeri* (Begoniaceae)  
           *Beta vulgaris* (Chenopodiaceae)  
           *Bidens pilosa* (Compositae)  
           *Brassica actinophylla* (Araliaceae)  
           *Brassica capitata*, *B. oleracea*, *B. oleracea* var.
- viridis* (Cruciferae)  
           *Calendula officinalis* (Compositae)  
           *Capsicum annuum* (Solanaceae)  
           *Carissa bispinosa* (Apocynaceae)  
           *Celosia argentea* var. *cristata* (Amaranthaceae)  
           *Cestrum nocturnum* (Solanaceae)  
           *Chlorophytum* sp., *C. capense* (Liliaceae)  
           *Chrysanthemum* sp. (Compositae)  
           *Cissus rhombifolia* (Vitaceae)  
           *Citrofortunella mitis* (Rutaceae)  
           *Citrullus vulgaris* (Cucurbitaceae)  
           *Citrus aurantium*, *C. grandis*, *C. limon*, *C. sinensis*  
           (Rutaceae)  
           *Coleus* sp. (Labiatae)  
           *Corchorus capsularis* (Tiliaceae)  
           *Cordyline terminalis* (Agavaceae)  
           *Croton glandulosus* (Euphorbiaceae)  
           *Cucurbita maxima*, *C. pepo* (Cucurbitaceae)  
           *Cynodon dactylon* (Gramineae)  
           *Daucus carota* var. *sativus* (Umbelliferae)  
           *Delonix regia* (Leguminosae)  
           *Dendrobium* sp. (Orchidaceae)  
           *Dianthus* sp. (Caryophyllaceae)  
           *Digitaria ischaemum*, *D. sanguinalis* (Gramineae)  
           *Dioscorea* sp. (Dioscoreaceae)  
           *Dracaena deremensis* (Agavaceae)  
           *Eichhornia crassipes* (Pontederiaceae)  
           *Euonymus japonica* (Celastraceae)  
           *Fragaria chiloensis* (Rosaceae)  
           *Gardenia thunbergia* (Rubiaceae)  
           *Geranium* sp. (Geraniaceae)  
           *Gladiolus* sp. (Iridaceae)  
           *Gloxinia* sp. (Gesneriaceae)  
           *Glycine max* (Leguminosae)  
           *Gossypium herbaceum* (Malvaceae)  
           *Gypsophila* sp. (Caryophyllaceae)  
           *Hedera helix* (Araliaceae)  
           *Helianthus* sp. (Compositae)  
           *Hibiscus rosa-sinensis* (Malvaceae)  
           *Hydrocotyle* sp., *H. umbellata* (Umbelliferae)  
           *Impatiens* sp. (Balsaminaceae)  
           *Ipomoea batatas* (Convolvulaceae)  
           *Jasminum* sp. (Oleaceae)  
           *Justicia brandegeana* (Acanthaceae)  
           *Lactuca sativa* (Compositae)  
           *Lathyrus odoratus* (Leguminosae)  
           *Litchi chinensis* (Sapindaceae)  
           *Lycopersicon esculentum* (Solanaceae)  
           *Malus* sp. (Rosaceae)  
           *Medicago sativa* (Leguminosae)  
           *Melaleuca quinquenervia* (Myrtaceae)  
           *Mucuna deeringiana* (Leguminosae)  
           *Nandina domestica* (Berberidaceae)  
           *Nerium oleander* (Apocynaceae)  
           *Nicotiana tabacum* (Solanaceae)  
           *Oenothera* sp. (Onagraceae)  
           *Paspalum notatum* (Gramineae)  
           *Pelargonium hortatum* (Geraniaceae)  
           *Pentas lanceolata* (Rubiaceae)  
           *Peperomia* sp. (Piperaceae)  
           *Persea americana* (Lauraceae)  
           *Phaseolus limensis*, *P. polystachios*, *P. vulgaris*  
           (Leguminosae)

- Phytolacca americana* (Phytolaccaceae)  
*Pilea cadieri* (Urticaceae)  
*Pisum* sp. (Leguminosae)  
*Plumbago auriculata* (Plumbaginaceae)  
*Rheum rhabarbarum*, *R. rhaponticum* (Polygonaceae)  
*Rhododendron* sp. (Ericaceae)  
*Ricinus communis* (Euphorbiaceae)  
*Rosa* sp. (Rosaceae)  
*Rumex* sp., *R. crispus* (Polygonaceae)  
*Salix* sp. (Salicaceae)  
*Sanguinaria canadensis* (Papaveraceae)  
*Sesbania exaltata* (Leguminosae)  
*Solanum* sp., *S. melongena* var. *esculentum*, *S. tampicense*, *S. tuberosum* (Solanaceae)  
*Sonchus oleraceus* (Compositae)  
*Sorghum halepense*, *S. vulgaris* (Gramineae)  
*Stenotaphrum secundatum* (Gramineae)  
*Tagetes* sp. (Compositae)  
*Trichocoronis rivularis* (Compositae)  
*Trifolium* sp., *T. incarnatum* (Leguminosae)  
*Tropaeolum majus* (Cruciferae)  
*Vaccinium macrocarpum* (Ericaceae)  
*Vigna sinensis* (Leguminosae)  
*Yucca elephantipes* (Agavaceae)  
*Zea mays* (Gramineae)  
*Zinnia* sp. (Compositae)
- 9673 **albula** (Walker, 1857) (McD 2681.1) T 50.16  
*sunia*.– auct. (not Guenée, 1852)  
*orbicularis* (Walker, 1857)  
*caudata* (Walker, 1865)  
Gray armyworm  
Range.– IV–VIII (FL; TX; West Indies; [Mex.])  
Dates.– Feb–Dec  
Hosts.– *Amaranthus* sp. (Amaranthaceae)  
*Brassica oleracea* (Cruciferae)  
*Gossypium* sp. (Malvaceae)  
*Gypsophila paniculata* (Caryophyllaceae)  
*Lycopersicon esculentum* (Solanaceae)  
*Nicotiana tabacum* (Solanaceae)  
*Sinningia speciosa* (Gesneriaceae)  
*Sorghum* sp. (Gramineae)
- 9673.1 **androgea** (Stoll, 1782) (McD --) T  
*rubrifusa* (Hampson, 1909)  
Androgea armyworm  
Range.– IV–VIII (FL; West Indies–Surinam)  
Dates.– Mar–Apr, Nov  
Hosts.– *Amaranthus* sp. (Amaranthaceae)  
*Theobroma cacao* (Sterculiaceae)  
*Xanthosoma* sp. (Araceae)
- ELAPHRIA** Hübner, 1818  
*Monodes* Guenée, 1852  
*Alpesa* Walker, 1858  
*Carbona* Schaus, 1906
- 9675 **fuscimacula** (Grote, 1881) (McD 2642) 55.9  
Range.– I–VI (se. U.S.: GA–FL/[AR]–TX)  
Dates.– Jan–Dec  
Hosts.– Unknown
- 9676 **nucicolora** (Guenée, 1852) (McD 2643) 55.10  
*unesignata* (Walker, 1856)  
*paginata* (Morrison, 1875)  
f. *clara* (Harvey, 1878)  
*nucicolora* Rings & Rings, 2003, missp.  
Range.– I–VII (Gulf Coast: FL–TX)
- Dates.– Jan–Dec  
Hosts.– *Saccharum officinarum* (Gramineae)
- 9677 **agrotina** (Guenée, 1852) (McD 2644) T 55.11  
*trientiplaga* (Walker, 1858)  
*guttula* (Herrich-Schäffer, 1868)  
*adundula* (R. Felder, 1874)  
Range.– IV–VIII (FL; TX; West Indies; Mex.–Brazil)  
Dates.– Jan–Oct, Dec  
Hosts.– Unknown
- 9678 **versicolor** (Grote, 1875) (McD 2645) 55.12  
Range.– I–IV (e. N.Am.: N.S.–FL/Man.–TX)  
Dates.– Jan–Jun, Aug, Dec  
Hosts.– *Abies* sp. (Pinaceae)  
*Juglans nigra* (Juglandaceae)  
*Picea* sp. (Pinaceae)  
*Pinus* sp., *P. strobus* (Pinaceae)  
*Tsuga canadensis* (Pinaceae)
- 9679 **chalcidonia** (Hübner, [1803–08]) (McD 2646) 55.13  
*arna* (Guenée, 1852)  
*expuncta* (Walker, 1857)  
*vincta* (Walker, 1857)  
*irresoluta* (Walker, 1857)  
*tracta* (Grote, 1875)  
Range.– I–VI (e. N.Am.: Ont.–FL/WI–TX)  
Dates.– Jan–Dec  
Hosts.– *Ipomoea batatas* (Convolvulaceae)  
*Mimulus* sp. (Scrophulariaceae)  
*Penstemon antirrhinoides*, *P. cordifolius* (Scrophulariaceae)  
*Scrophularia californica* (Scrophulariaceae)
- 9680 **georgei** (Moore & Rawson, 1939) (McD 2647.1) 51.19  
Range.– I–II (e. N.Am.: N.S.–FL/MI–TX)  
Dates.– Mar–Apr  
Hosts.– Unknown
- 9681 **festivoides** (Guenée, 1852) (McD 2647) 55.14  
f. *varia* (Walker, [1858])  
*cephalica* (Butler, 1891), nom. nud.  
ab. *albovariegata* (Strand, 1915)  
Range.– I–VI (N.Am.: N.S.–FL/B.C.–NM; Mex.)  
Dates.– Jan–Nov  
Hosts.– *Acer negundo* (Aceraceae)
- 9682 **exesa** (Guenée, 1852) (McD 2648) 55.16  
*floridana* (Walker, 1865)  
*exesa* Rings & Rings, 2003, missp.  
Range.– I–VI (se. U.S.: GA–FL/[AR]–TX)  
Dates.– Jan–Sep, Dec  
Hosts.– Unknown
- 9684 **grata** Hübner, 1818 (McD 2650) T 55.17  
*orina* (Guenée, 1852)  
*rasilis* (Morrison, 1874)  
*subusta*.– auct., part (not Hübner, [1823])  
Range.– I–IV (e. N.Am.: Que.–FL/WI–TX; Mex.–S. Am.)  
Dates.– Feb–Mar, Jul, Oct  
Hosts.– *Quercus* sp. (Fagaceae)  
*Taraxacum officinale* (Compositae)  
*Viola* sp. (Violaceae)
- 9684.1 **deltoides** (Möschler, 1880) (McD --) T  
*harudes* (Druce, 1889)  
Range.– IV–VIII (FL; West Indies–Surinam)  
Dates.– Jan–Mar, Sep–Dec  
Hosts.– Unknown

- GONODES** Druce, 1908  
*Gonodes* Hampson, 1908, preocc. (Druce, 1908)
- 9687 **liquida** (Möschler, 1886) (McD 2665) T **55.19**  
*violescens* (Schaus, 1894)  
*leada* (Druce, 1898)  
Range.- III-VI (FL; West Indies)  
Dates.- Jan-Nov  
Hosts.- Unknown
- GALGULA** Guenée, 1852  
9688 **partita** Guenée, 1852 (McD 2666) T **50.10-11**  
*subpartita* Guenée, 1852  
*hepara* Guenée, 1852  
*ferruginea* (Walker, 1858)  
*externa* (Walker, 1865)  
*baueri* (Staudinger, 1870)  
*vesca* (Morrison, 1875)  
*bias* (Druce, 1889)  
*hippotamada* (Druce, 1889)  
*mandane* (Druce, 1891)  
*interna* Barnes & McDunnough, 1917, missp.  
Wedgling  
Range.- I-VIII (N.Am.: Que.-FL/Alb.-CA; West Indies; Mex.-Panama; Azores Is. [introd.])  
Dates.- Jan-Dec  
Hosts.- *Oxalis* sp. (Oxalidaceae)
- PERIGEA** Guenée, 1852  
*Perigia* J. B. Smith, 1894, missp.
- 9689 **xanthioides** Guenée, 1852 (McD 2610) T **55.4**  
Pied groundling  
Range.- I-VIII (e. U.S.: MA-FL/SD-TX; West Indies; Mex.-Brazil)  
Dates.- Jan-Aug, Oct-Dec  
Hosts.- *Eupatorium purpureum* (Compositae)  
*Vernonia* sp., *V. noveboracensis* (Compositae)
- CONDICA** Walker, 1856  
*Gaphara* Walker, 1862  
*Platysenta* Grote, 1874  
*Myrtale* Druce, 1891  
*Bicondica* Berio, 1981  
*Monocondica* Berio, 1981
- 9690 **videns** (Guenée, 1852) (McD 2613) **55.3**  
*indigena* (Walker, 1857)  
*atriciliata* (Grote, 1874)  
*meskei* (Speyer, 1875)  
*albipuncta* (J. B. Smith, 1902)  
Range.- I-VI (e. N.Am.: Que.-FL/Man.-CO-TX)  
Dates.- Jan-Dec  
Hosts.- *Euthamia graminifolia*, *E. tenuifolia* (Compositae)  
*Solidago* sp. (Compositae)
- 9693 **mobilis** (Walker, 1857) (McD 2617) **55.5**  
*apameoides*.- auct. (not Guenée, 1852)  
*plagiata* (Walker, 1857)  
*inclinata* (Walker, 1857)  
*subaurata* (Walker, 1865)  
*iola* (Grote, 1877)  
*subaurea* (Druce, 1889)  
Range.- I-VIII (e. U.S.: NJ-FL/IL-TX)  
Dates.- Jan-Dec  
Hosts.- *Bidens pilosa* (Compositae)
- 9696 **vecors** (Guenée, 1852) (McD 2620) T **55.6**
- remissa* (Walker, 1857)  
*demittens* (Walker, 1858)  
*luxa* (Grote, 1875)
- Range.- I-VII (e. N.Am.: N.S.-FL/Man.-CO-TX; West Indies; Mex.-Brazil)  
Dates.- Jan-Mar, May, Jul-Aug, Oct-Nov  
Hosts.- *Eupatorium capillifolium* (Compositae)  
*Lactuca sativa* (Compositae)
- 9696.1 **punctifera** (Walker, [1857]) (McD --) T  
*semifurca* (Walker, 1857)  
Range.- VI (FL; West Indies)  
Dates.- May  
Hosts.- Unknown
- 9698 **concnica** (Walker, 1856) (McD 2622) T **55.7**  
*centralis* (Walker, 1857)  
*consocia* (Walker, 1857)  
*imbella* (Walker, 1858)  
*laphygmoides* (Walker, 1858)  
*plumbago* (Herrich-Schäffer, 1868)  
Range.- IV-VIII (FL; TX; West Indies; [Mex.])  
Dates.- Jan-Dec  
Hosts.- *Bidens pilosa* (Compositae)
- 9699 **sutor** (Guenée, 1852) (McD 2623) T **50.8**  
*apameoides* (Guenée, 1852)  
*turpis* (Guenée, 1852)  
*indecis*a (Walker, 1857)  
*claufacta* (Walker, 1857)  
*clarefacta* (Walker, 1858), missp.  
*paupera* (Walker, 1858)  
*otiosa* (Walker, 1858)  
*detrecta* (Walker, 1865)  
*fabrefacta* (Morrison, 1874)  
*ebba* (Schaus, 1923)  
Range.- I-VIII (e. N.Am.: Labr.-FL/WI-TX; West Indies; Mex.-Brazil)  
Dates.- Jan-Dec  
Hosts.- *Apium* sp. (Umbelliferae)  
*Chrysanthemum morifolium* (Compositae)  
*Geranium* sp. (Geraniaceae)  
*Psidium guajava* (Myrtaceae)  
*Tagetes* sp. (Compositae)  
*Wedelia* sp., *W. trilobata* (Compositae)
- \*9700 **cervina** (J. B. Smith, 1900) (McD 2623.1) **50.9**  
Range.- I-VI (Florida)  
Dates.- Jan-Sep, Nov-Dec  
Hosts.- Unknown
- 9702 **albigera (Guenée, 1852) (McD 2625) T **55.8**  
*intermittens* (Walker, 1858)  
Range.- IV-VIII (FL; TX; West Indies; Mex.-Brazil)  
Dates.- Jan, Mar-May, Aug-Nov  
Hosts.- Unknown**
- 9703 **hypocritica** (Dyar, 1907) (McD 2619.2) T  
Range.- V (FL; West Indies-Argentina)  
Dates.- (stray)  
Hosts.- Unknown
- 9713 **cupentia** (Cramer, 1780) (McD 2611) T **55.1**  
*epopea* (Cramer, 1780)  
*infelix* (Guenée, 1852)  
*palpalis* Walker, 1856  
Range.- I-VIII (e. U.S.: ME-FL/WI-TX; West Indies; Mex.-S. Am.)  
Dates.- Jan-Dec

Hosts.- Unknown

9714 **confederata** (Grote, 1873) (McD 2611.1)

Range.- I-VI (e. U.S.: ME-FL/WI-TX)

Dates.- Jan-Dec

Hosts.- *Bidens* sp. (Compositae)

**DRAUDTIA** Barnes & Benjamin, 1926

9712 **morsa** (J. B. Smith, 1907) (McD 2631) T

Range.- I (Gulf Coast: FL-TX; Mex.)

Dates.- (stray?)

Hosts.- Unknown

**EMARGINEA** Guenée, 1852

*Dacira* Walker, 1858

*Cyathissa* Grote, 1881

9718 **percara** (Morrison, 1875) (McD 2571)

*quadrate* (J. B. Smith, 1906)

*ochracea* (J. B. Smith, 1906)

Range.- I-II (s. U.S.: SC-FL/CO-TX)

Dates.- Mar-May, Aug

Hosts.- Unknown

**OGDOCONTA** Butler, 1891

9720 **cinereola** (Guenée, 1852) (McD 2773)

*atomaria* (Walker, 1865)

Range.- I-VI (e. N.Am.: Que.-FL/Alb.-TX)

Dates.- Feb-Oct

Hosts.- *Ambrosia* sp., *A. trifida* (Compositae)

*Beta vulgaris* (Chenopodiaceae)

*Cynara scolymus* (Compositae)

*Helianthus* sp., *H. annuus*, *H. tuberosus* (Compositae)

*Phaseolus* sp. (Leguminosae)

*Triticum aestivum* (Gramineae)

*Xanthium strumarium* (Compositae)

9724 **tacna** (Barnes, 1904) (McD 2777)

Range.- I-III (Gulf Coast: FL-TX; Mex.)

Dates.- Aug

Hosts.- Unknown

**STIRIODES** Hampson, 1908

9725 **obtusa** (Herrich-Schäffer, 1854) (McD 2832)

*obtusula* (Zeller, 1873)

Range.- I-VI (e. U.S.: NY-FL/IL-TX)

Dates.- Mar-Aug, Oct

Hosts.- Unknown

### STIRIINI

**PLAGIOMIMICUS** Grote, 1873

*Stibadium* Grote, 1874

*Antaploga* Grote, 1877

*Polenta* Morrison, 1880

*Neophaeus* Dyar, 1918

9748 **spumosum** Grote, 1874 (McD 2779/2780)

*mavina* (Barnes & McDunnough, 1910)

Range.- I (e. N.Am.: NJ-FL/Alb.-CA)

Dates.- May

Hosts.- *Helianthus annuus* (Compositae)

9754 **pityochromus** Grote, 1873 (McD 2789)

*media* (Morrison, 1875)

*richii*.- (Kimball, 1965), misid. (not Grote, 1886)

Range.- I-III (e. U.S.: NY-FL/MN-TX)

Dates.- Sep

Hosts.- *Ambrosia trifida* (Compositae)

55.2

**CIRRHOPIANUS** Grote, 1872

*Cirrhophanes* J. B. Smith, 1891, missp.

9766 **triangulifer** Grote, 1872 (McD 2813)

*pretiosa* (Morrison, 1875)

Goldenrod stowaway

Range.- I (e. U.S.: NY-FL/KS-TX)

Dates.- Oct

Hosts.- *Bidens polylepis*, *B. trichosperma* (Compositae)

?*Verbesina* sp. (Compositae)

**BASILODES** Guenée, 1852

*Deobriga* Walker, 1869

9781 **pepita** Guenée, 1852 (McD 2810)

*chrysopasa* (Walker, 1869)

Eastern gold moth

Range.- I-III (e. U.S.: NY-FL/IL-TX)

Dates.- Oct

Host.- *Verbesina* sp., *V. alternifolia* (Compositae)

**STIRIA** Grote, 1874

9785 **rugifrons** Grote, 1874 (McD 2803)

55.22 Range.- I (N.Am.: PA-FL/Alb.-NM; Mex.)

Dates.- Oct

Hosts.- *Helianthus microcephalus* (Compositae)

### NOCLOINI

**COSMIA** Ochsenheimer, 1816

*Eustegnia* Hübner, [1821]

*Calymnia* Hübner, [1821]

9815 **calami** (Harvey, 1876) (McD 2687)

*canescens* (Behr, 1885)

f. *orinella* (Strand, 1916)

f. *orinula* (Strand, 1916)

*calamia* McDunnough, 1938, missp.

Range.- I (e. N.Am.: N.S.-FL/Man.-TX)

Dates.- May

Hosts.- *Quercus* sp., *Q. kelloggii* (Fagaceae)

55.28 **AMOLITA** Grote, 1874

9818 **fessa** Grote, 1874 (McD 2694)

Range.- I-VI (e. N.Am.: N.S.-FL/WI-TX)

Dates.- Jan-Dec

Hosts.- grass (Gramineae)

9819 **obliqua** J. B. Smith, 1903 (McD 2695)

ab. *duplipuncta* Strand, 1916

Range.- I-VII (Gulf Coast: FL-TX)

Dates.- Jan-Dec

Hosts.- grass (Gramineae)

9820 **sentalis** (Kaye, 1901) (McD 2695.1) T

Range.- III (FL; West Indies-Panama)

Dates.- Mar (stray?)

Hosts.- Unknown

9821 **roseola** J. B. Smith, 1903 (McD 2696)

Range.- I-VII (e. U.S.: MA-FL/AR-TX)

Dates.- Jan-Nov

Hosts.- Unknown

50.20-21

50.22-23

## CUCULLIINAE

## XYLENINI

## LITHOPHANE Hübner, [1821]

*Graptolitha* Hübner, [1821]*Rhizolitha* Curtis, 18309887 **bethunei** (Grote & Robinson, 1868) (McD 2220)f. *duscalis* Franclemont, 1942f. *luteocosta* Franclemont, 1942

Range.- I-II (e. N.Am.: N.S.-FL/Man.-AR)

Dates.- Feb-May, Sep-Nov (stray?)

Hosts.- *Acer saccharinum* (Aceraceae)*Betula papyrifera* (Betulaceae)*Crataegus* sp. (Rosaceae)*Fraxinus* sp. (Oleaceae)*Gutierrezia sarothrae* (Compositae)*Malus pumila* (Rosaceae)*Plantago* sp. (Plantaginaceae)*Prunus cerasus* (Rosaceae)*Quercus rubra* (Fagaceae)*Salix* sp. (Salicaceae)*Tilia* sp. (Tiliaceae)9899 **lemmeri** (Barnes & Benjamin, 1929) (McD 2232)

Range.- I-II (Atlantic/Gulf Coasts: NJ-FL-TX)

Dates.- Oct

Hosts.- *Chamaecyparis thyoides* (Cupressaceae)*Juniperus* sp. (Cupressaceae)9910 **antennata** (Walker, 1858) (McD 2242)*cinerea* (Riley, 1871)

Green fruitworm

Range.- I-II (e. N.Am.: N. B.-FL/MN-MS)

Dates.- Feb-May, Sep-Oct

Hosts.- *Acer negundo*, *A. saccharinum*, *A. saccharophorum* (Aceraceae)*Carya* sp. (Juglandaceae)*Fraxinus* sp. (Oleaceae)*Malus pumila* (Rosaceae)*Populus* sp. (Salicaceae)*Rosa* sp. (Rosaceae)*Salix* sp. (Salicaceae)*Tilia* sp. (Tilaceae)

## PYREFERRA Franclemont, 1937

9929 **hesperidago** (Guenée, 1852) (McD 2299)*indirecta* (Walker, 1856)*graeiana* (Grote, 1874)*moffatiana* (Grote, 1882)

Range.- I (e. N.Am.: N.S.-FL/WI-TX)

Dates.- Feb

Hosts.- *Hamamelis* sp. (Hamamelidaceae)9931 **ceromatica** (Grote, 1874) (McD 2302)

Range.- I (e. N.Am.: Que.-FL/IN-TX)

Dates.- Jan-Mar

Hosts.- *Hamamelis* sp. (Hamamelidaceae)

## SERICAGLAEAE Franclemont, 1941

*Sericoglaea* Knudson & Bordelon, 1999, mis-sp.9941 **signata** (French, 1879) (McD 2298)

Range.- I (e. U.S.: CT-FL/IL-TX)

Dates.- Oct

Hosts.- *Prunus* sp., *P. serotina* (Rosaceae)*Quercus* sp. (Fagaceae)*Tilia* sp. (Tiliaceae)

## XYSTOPEPLUS Franclemont, 1937

*Jodia*.- Hampson, 1906 (not Hübner, 1818)9942 **rufago** (Hübner, 1818) (McD 2308)

53.22

*honesta* (Walker, 1858)

Range.- I-IV (e. U.S.: ME-FL/MN-TX)

Dates.- Jan-Mar

Hosts.- *Prunus* sp. (Rosaceae)*Quercus* sp. (Fagaceae)*Salix* sp. (Salicaceae)

## METAXAGLAEAE Franclemont, 1937

9944 **viatica** (Grote, 1874) (McD 2297)

53.21

Range.- I (e. U.S.: ME-FL/OH-TX)

Dates.- Jan-Mar, Oct-Dec

Hosts.- *Malus* sp. (Rosaceae)*Prunus* sp. (Rosaceae)*Pyrus* sp. (Rosaceae)*Sorbus aucuparia* (Rosaceae)9945 **semitaria** Franclemont, 1968*viatica*.- auct., part (not Grote, 1874)

Range.- I (e. U.S.: NH-FL/OH-TX)

Dates.- Nov

Hosts.- *Vaccinium* sp. (Ericaceae)9945.1 **australis** Schweitzer, 1979*viatica*.- Kimball, 1965, part (not Grote, 1874)

Range.- I (se. U.S.: SC-FL/[AR]-TX)

Dates.- Jan-Feb, Dec

Hosts.- ?*Quercus* sp. (Fagaceae)9945.2 **violacea** Schweitzer, 1979*viatica*.- Kimball, 1965, part (not Grote, 1874)

Range.- I (e. U.S.: NJ-FL/KY-TX)

Dates.- Jan, Apr

Hosts.- *Ilex opaca* (Aquifoliaceae)

## CHAETAGLAEAE Franclemont, 1943

*Chaetoglaea* Rings & Rings, 2003, missp.9949 **tremula** (Harvey, 1875) (McD 2290)

53.19-20

*pastillicans*.- auct. (not Morrison, 1874)

Range.- I-IV (e. U.S.: ME-FL/KY-TX)

Dates.- Jan-Apr, Nov-Dec

Hosts.- *Prunus* sp. (Rosaceae)*Quercus* sp. (Fagaceae)*Vaccinium* sp. (Ericaceae)9950 **sericea** (Morrison, 1874) (McD 2289)*venustula* (Grote, 1875)

Range.- I-II (e. N.Am.: N.S.-FL/WI-TX)

Dates.- Feb, May

Hosts.- *Prunus* sp. (Rosaceae)*Quercus* sp. (Fagaceae)*Vaccinium macrocarpum* (Ericaceae)

## EUCIRROEDIA Grote, 1875

*Eucirrhoedia* McDunnough, 1938, missp.9952 **pampina** (Guenée, 1852) (McD 2321)f. *pampinella* (Strand, 1916)f. *brunneoochracea* (Strand, 1916)

Range.- I (N.Am.: N.S.-FL/B.C.-NM)

Dates.- Aug-Dec

Hosts.- *Populus* sp. (Salicaceae)*Prunus serotina*, *P. virginiana* (Rosaceae)*Quercus* sp. (Fagaceae)

## SUNIRA Franclemont, 1950

- Rusina*.– Hampson, 1906 (not Stephens, 1829)  
 9957 **bicolorago** (Guenée, 1852) (McD 2312)  
     f. *ferrugineoides* (Guenée, 1852)  
     *spurcata* (Walker, 1857)  
 Range.– I (e. N.Am.: N.S.-FL/Alb.-TX)  
 Dates.– Nov-Dec  
 Hosts.– *Acer* sp., *A. saccharinum* (Aceraceae)  
     *Brassica oleracea* (Cruciferae)  
     *Malus* sp. (Rosaceae)  
     *Nicotiana tabacum* (Solanaceae)  
     *Prunus serotina* (Rosaceae)  
     *Quercus* sp. (Fagaceae)  
     *Rumex crispus* (Polygonaceae)  
     grass (Gramineae)

**FERALIINI**

- FERALIA** Grote, 1874  
     *Momophana* Grote, 1875  
     *Arthrochlora* Grote, 1875  
     *Momaphana* Hampson, 1906, missp.  
     *Arthrochlora* Hampson, 1906, missp.  
 10007 **major** J. B. Smith, 1890 (McD 2185)  
 Range.– I (e. N.Am.: N.S.-FL/WI-TX)  
 Dates.– Feb, Dec  
 Hosts.– *Larix* sp. (Pinaceae)  
     *Picea* sp. (Pinaceae)  
     *Pinus* sp., *P. strobus* (Pinaceae)

**PSAPHIDINI**

- PSAPHIDA** Walker, 1865  
     *Eutolype* Grote, 1874  
     *Dicopis* Grote, 1874  
     *Copipanolis* Grote, 1874  
     *Psaphidia* Dyar, 1901, missp.  
 10012 **electilis** (Morrison, 1875) (McD 2193)  
     f. *depilis* (Grote, 1881)  
     *bombyciformis* (J. B. Smith, 1892)  
 Range.– I-II (e. N.Am.: Ont.-FL/WI-TX)  
 Dates.– Feb  
 Hosts.– *Carya* sp. (Juglandaceae)  
     *Juglans* sp. (Juglandaceae)  
 10013 **grandis** (J. B. Smith, 1898) (McD 2194)  
 Range.– I-II (e. U.S.: MA-FL/WI-TX)  
 Dates.– Mar  
 Hosts.– Unknown  
 10014 **rolandi** (Grote, 1874) (McD 2196)  
     *vernalis* (Morrison, 1874)  
 Range.– I-III (e. N.Am.: Ont.-FL/ND-TX)  
 Dates.– Jan-Mar, Nov  
 Hosts.– *Quercus* sp. (Fagaceae)  
 10016 **styracis** (Guenée, 1852) (McD 2198)  
     f. *cubilis* (Grote, 1874)  
     f. *stigma* (J. B. Smith, 1890)  
     f. *borealis* (J. B. Smith, 1892)  
     f. *fasciata* (J. B. Smith, 1892)  
 Range.– I-IV (e. N.Am.: Ont.-FL/MN-TX)  
 Dates.– Feb-Mar  
 Hosts.– *Fraxinus* sp. (Oleaceae)  
     *Quercus* sp., *Q. alba* (Fagaceae)  
 10019 **resumens** Walker, 1865 (McD 2190)  
     *viridescens* (Walker, 1865)  
     *muralis* (Grote, 1874)  
     *viridiscens* Franclemont & Todd, 1983,

- missp.  
 Range.– I-IV (e. N.Am.: Ont.-FL/MN-TX)  
 Dates.– Jan-Mar  
 Hosts.– *Acer* sp. (Aceraceae)  
     *Quercus* sp. (Fagaceae)

- COPIVALERIA** Grote, 1883  
 10021 **grotei** (Morrison, 1874) (McD 2191)  
 Range.– I-II (e. N.Am.: Que.-FL/Alb.-TX)  
 Dates.– Feb-Apr  
 Hosts.– *Fraxinus* sp. (Oleaceae)

**ONCOCNEMIDINI**

- NEOGALEA** Hampson, 1906  
 10032 **sunia** (Guenée, 1852) (McD 2741) T **51.21**  
     *esula* (Druce, 1889)  
     *braziliensis* Hampson, 1906  
     *longfieldae* Hayes, 1975  
     Lantana stick caterpillar  
 Range.– I-VI (Gulf Coast: FL-TX; West Indies; Mex.- Argentina)  
 Dates.– Jan-May, Oct  
 Hosts.– *Lantana* sp. (Verbenaceae)  
     *Verbena* sp. (Verbenaceae)

- CATABENA** Walker, 1865  
     *Turbula* Walker, 1869  
     *Adipsophanes* Grote, 1873  
 10036 **vitrina** (Walker, 1857) (McD 2740) T  
 Range.– IV-VIII (FL; TX; West Indies; [Mex.])  
 Dates.– Jan-Mar, May, Sep-Dec  
 Hosts.– Unknown  
 10038 **divisa** (Herrich-Schäffer, 1868) (McD 2740.1) T  
 Range.– VIII (FL; West Indies)  
 Dates.– (stray?)  
 Hosts.– Unknown

- HOMOHADENA** Grote, 1873  
 10059 **badistriga** (Grote, 1872) (McD 2147)  
 Range.– I (e. N.Am.: Ont.-FL/Alb.-TX)  
 Dates.– Jun-Jul  
 Hosts.– *Lonicera* sp. (Caprifoliaceae)  
 10065 **infixa** (Walker, 1856) (McD 2153)  
     *kappa* Grote, 1874  
     *retroversa* Morrison, 1874  
     *dinalda* J. B. Smith, 1908  
 Range.– I (e. N.Am.: Newfd.-FL/Man.-TX)  
 Dates.– Jun  
 Hosts.– *Juglans nigra* (Juglandaceae)

- ONCOCNEMIS** Lederer, 1853  
     *Phornacisa* Walker, 1862  
     *Copihadena* Morrison, 1875  
     *Metahadena* Morrison, 1876  
     *Pharmacisa* Forbes, 1954, missp.  
 10099 **saundersiana** Grote, 1876 (McD 2093)  
 Range.– I (e. N.Am.: Ont.-FL/Man.-TX)  
 Dates.– Oct  
 Hosts.– *Penstemon* sp. (Scrophulariaceae)

- LEPIPOLYS** Guenée, 1852  
 10154 **perscripta** Guenée, 1852 (McD 2063) **53.15**  
 Range.– I-VI (U.S.: MA-FL/CO-CA; Mex.)

Dates.- Jan-Apr, Dec  
 Hosts.- *Antirrhinum* sp. (Scrophulariaceae)  
       ?*Citrus* sp. (Rutaceae)  
       *Linaria canadensis* (Scrophulariaceae)

**PSEUDACONTIA** J. B. Smith, 1883

10171 **louisia** J. B. Smith, 1908 (McD 2854)  
 Range.- I (Gulf Coast: FL-TX)  
 Dates.- May  
 Hosts.- Unknown

**CUCULLIINI****CUCULLIA** Schrank, 1802

*Euderaea* Hübner, [1821]  
*Eucalimia* Hübner, [1821]  
*Callaenia* Hübner, [1821]  
*Argyritis* Hübner, [1821]  
*Tribunophora* Hübner, 1822  
*Callainia* Hübner, [1826], missp.  
*Lophia* Sodoffsky, 1837  
*Argyroalea* Hampson, 1906  
 10192 **alfarata** Strecker, 1898 (McD 2036)  
       *phila* J. B. Smith, 1908  
 Range.- I-II (e. U.S.: NY-FL/IL-TX)  
 Dates.- Aug-Sep  
 Hosts.- *Aster* sp., *A. novae-angliae* (Compositae)  
 10200 **asteroides** Guenée, 1852 (McD 2044)  
 Range.- I (e. N.Am.: Newfd.-FL/Man.-TX)  
 Dates.- May  
 Hosts.- *Aster* sp. (Compositae)  
       *Salidago* sp. (Compositae)

**HADENINAE****HADENINI****DISCESTRA** Hampson, 1905

*Salacia* Boie, 1839, preocc. (Lamoureux, 1816)  
*Dicestra* McDunnough, 1937, missp.  
 10223 **trifolii** (Hufnagel, 1766) (McD 1633)  
       *chenopodii* (Fabricius, 1787)  
       *infraia* (Haworth, 1809)  
       *inquieta* (Walker, 1857)  
       *glaucovaria* (Walker, 1860)  
       *major* (Speyer, 1875)  
       Clover cutworm; Nutmeg  
 Range.- I (N.Am.: N.S.-FL/WA-CA; Mex.-S. Am.; temp. Old World)  
 Dates.- May-Oct  
 Hosts.- *Asparagus officinalis* (Liliaceae)  
       *Beta vulgaris* (Chenopodiaceae)  
       *Brassica oleracea*, *B. rapa* (Cruciferae)  
       *Chenopodium album* (Chenopodiaceae)  
       *Lactuca sativa* (Compositae)  
       *Phaseolus vulgaris* (Leguminosae)  
       *Pisum sativum* (Leguminosae)  
       *Populus* sp., *P. balsamifera* (Salicaceae)  
       *Portulaca oleracea* (Portulacaceae)  
       *Salsola iberica* (Chenopodiaceae)  
       *Spinacia oleracea* (Chenopodiaceae)  
       *Trifolium* sp. (Leguminosae)  
       *Ulmus* sp. (Ulmaceae)

**TRICHOCLEA** Grote, 1883

*Trichclea* J. B. Smith, 1903, missp.

\*10257 **florida** (J. B. Smith, 1900) (McD 1647) **52.22**  
 Range.- III-VIII (Florida)  
 Dates.- Feb-Apr, Aug-Dec  
 Hosts.- Unknown  
 10262 **ruisa** Forbes, 1913 (McD 1656)  
 Range.- I-II (e. U.S.: VA-FL/IL-TX)  
 Dates.- Mar, Sep  
 Hosts.- Unknown  
 10264 **vindemialis** (Guenée, 1852) (McD 1657) **52.23**  
 Range.- I-VIII (Gulf Coast: FL-MS)  
 Dates.- Feb-May, Nov  
 Hosts.- Unknown

**POLIA** Ochsenheimer, 1816

*Mamestra*.- auct. (not Ochsenheimer, 1816)  
*Polia* Boisduval, 1828, preocc. (not Ochsenheimer, 1816)  
*Aplecta* Guenée, 1838  
 10289 **goodelli** (Grote, 1875) (McD 1710)  
 Range.- I (e. N.Am.: N.S.-FL/Man.-AR)  
 Dates.- Apr  
 Hosts.- Unknown

**53.14****TRICHORDESTRA** McCabe, 1980

10304 **legitima** (Grote, 1864) (McD 1683) **52.24**  
       Striped garden caterpillar  
 Range.- I-II (N.Am.: N.S.-FL/B.C.-CA; Mex.)  
 Dates.- Sep-Nov  
 Hosts.- *Agrostis hyemalis* (Gramineae)  
       *Asclepias incarnata* (Asclepiadaceae)  
       *Asparagus officinalis* (Liliaceae)  
       *Aster* sp. (Compositae)  
       *Brassica oleracea*, *B. oleracea* var. *viridis* (Cruciferae)  
       *Calendula officinalis* (Compositae)  
       *Cassia fistula* (Leguminosae)  
       (Compositae)  
       *Digitaria sanguinalis* (Gramineae)  
       *Gnaphalium* sp. (Compositae)  
       *Muhlenbergia torreyi* (Gramineae)  
       *Nicotiana tabacum* (Solanaceae)  
       *Phaseolus vulgaris* (Leguminosae)  
       *Pisum sativum* (Leguminosae)  
       *Prunus serotina* (Rosaceae)  
       *Rubus allegheniensis* (Rosaceae)  
       *Salix humilis* (Salicaceae)  
       *Solidago* sp. (Compositae)  
       *Trifolium* sp. (Leguminosae)  
       *Viola* sp. (Violaceae)

**ANEPIA** Hampson, 1918

*Epia* Hübner, [1821], preocc. (Hübner, [1820])  
 10317 **capsularis** (Guenée, 1852) (McD 1804) **52.27**  
       *propulsa* (Walker, 1857)  
 Range.- I-VI (e. N.Am.: Ont.-FL/MN-TX)  
 Dates.- Mar-May  
 Hosts.- *Caryophyllaceae* sp.

**LACINIPOLIA** McDunnough, 1937

10368 **meditata** (Grote, 1873) (McD 1712) **51.8-9**  
 Range.- I (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- Sep

- Hosts.- *Andropogon virginicus* (Gramineae)  
*Aster ericoides* (Compositae)  
*Malus pumila* (Rosaceae)  
*Nicotiana tabacum* (Solanaceae)  
*Poa pratensis* (Gramineae)  
*Solidago* sp. (Compositae)  
*Trifolium* sp. (Leguminosae)  
*Vitis* sp., *V. vinifera* (Vitaceae)
- 10397 **renigera** (Stephens, 1829) (McD 1738)  
*herbimacula* (Guenée, 1852)  
*infecta* (Walker, 1857)  
 Bristly cutworm
- Range.- I (N.Am.: N.S.-FL/B.C.-CA; Mex.)  
 Dates.- May-Oct  
 Hosts.- *Aster ericoides* (Compositae)  
*Brassica oleracea*, *B. Rapa* (Cruciferae)  
*Cichorium intybus* (Compositae)  
*Malus pumila* (Rosaceae)  
*Medicago sativa* (Leguminosae)  
*Nicotiana tabacum* (Solanaceae)  
*Plantago lanceolata*, *P. major* (Plantagenaceae)  
*Populus deltoides* (Salicaceae)  
*Rumex crispus* (Polygonaceae)  
*Stellaria media* (Caryophyllaceae)  
*Symphytum officinale* (Boraginaceae)  
*Taraxacum officinale* (Compositae)  
*Trifolium* sp. (Leguminosae)  
*Vitis* sp., *V. vinifera* (Vitaceae)  
*Zea mays* (Gramineae)  
 grass (Gramineae)
- 10403 **erecta** (Walker, 1857) (McD 1743) **52.14**  
*constipata* (Walker, 1857)  
*innexa* (Grote, 1874)
- Range.- I-III (se. U.S.: NC-FL/MO-TX)  
 Dates.- Feb-Apr, Dec  
 Hosts.- Unknown
- 10411 **laudabilis** (Guenée, 1852) (McD 1748) **50.1**  
*indicans* (Walker, 1857)  
 f. *mediosuffusa* (Strand, 1917)  
 f. *rufoirrorata* (Strand, 1917)
- Range.- I-VI (se. U.S.: NC-FL/MO-TX)  
 Dates.- Jan-Jun, Aug-Oct-Nov  
 Hosts.- (Leguminosae)
- 10413 **explicata** McDunnough, 1937 (McD 1750)  
 Range.- I-IV (se. U.S.: NC-FL/MO-TX)  
 Dates.- Apr, Oct  
 Hosts.- Unknown
- 10424 **parvula** (Herrich-Schäffer, 1868) (McD 1747) **52.15**  
*lustralis*.- Grossbeck, 1917 (not Grote, 1875)
- Range.- III-VI (FL; West Indies) T  
 Dates.- Jan-Jul, Sep, Nov-Dec  
 Hosts.- *Cestrum diurnum* (Solanaceae)
- FARONTA** J. B. Smith, 1908  
*Pseudoleucania* McDunnough, 1937, preocc.  
 (not Staudinger, 1899)  
*Protoleucania* McDunnough, 1937
- 10430 **quadrannulata** (Morrison, 1876) (McD 1960)  
 Range.- I-III (e. U.S.: MD-FL/SD-TX)  
 Dates.- Aug-Oct  
 Hosts.- ?grass (Gramineae)
- 10434 **rubripennis** (Grote & Robinson, 1870) (McD 1961)  
*rubipennis* Knudson & Bordelon, 1999, mis-sp.
- Range.- I-VI (e. N.Am.: Ont.-FL/MN-TX)  
 Dates.- Aug-Oct  
 Hosts.- ?grass (Gramineae)
- PSEUDALETIA** Franclemont, 1951  
 10438 **unipuncta** (Haworth, 1809) (McD 1994) T **53.13**  
*extranea* (Guenée, 1852)  
 Armyworm
- Range.- I-VIII (N.Am.: Que.-FL/B.C.-CA; West Indies; Mex.-S. Am.)  
 Dates.- Jan-Dec  
 Hosts.- *Agropyron repens* (Gramineae)  
*Agrostis* sp. (Gramineae)  
*Allium cepa* (Alliaceae)  
*Amaranthus* sp. (Amaranthaceae)  
*Ambrosia trifida* (Compositae)  
*Apium petroselinum* (Umbelliferae)  
*Asparagus officinalis* (Liliaceae)  
*Avena sativa* (Gramineae)  
*Beta vulgaris* (Chenopodiaceae)  
*Brassica oleracea*, *B. oleracea* var. *botrytis* (Cruciferae)  
*Capsicum* sp., *C. annuum* (Solanaceae)  
*Cenchrus* sp. (Gramineae)  
*Citrullus vulgaris* (Cucurbitaceae)  
*Cortaderia selloana* (Gramineae)  
*Cucumis sativus* (Cucurbitaceae)  
*Cynodon dactylon* (Gramineae)  
*Dactylis glomerata* (Gramineae)  
*Daucus carota* var. *sativus* (Umbelliferae)  
*Digitaria sanguinalis* (Gramineae)  
*Fragaria chiloensis* (Rosaceae)  
*Gramineae* sp. (grains)  
*Hordeum vulgare* (Gramineae)  
*Ipomoea batatas* (Convolvulaceae)  
*Lactuca sativa* (Compositae)  
*Linum sulcatum* (Linaceae)  
*Malus pumila* (Rosaceae)  
*Medicago sativa* (leguminosae)  
*Panicum miliaceum* (Gramineae)  
*Papaver somniferum* (Papaveraceae)  
*Paspalum notatum* (Gramineae)  
*Pastinaca sativa* (Umbelliferae)  
*Phaseolus vulgaris* (Leguminosae)  
*Phleum pratense* (Gramineae)  
*Pisum sativum* (Leguminosae)  
*Poa annua*, *P. pratensis* (Gramineae)  
*Raphanus sativus* (Cruciferae)  
*Rubus idaeus* var. *strigosus* (Rosaceae)  
*Saccharum officinarum* (Gramineae)  
*Secale cereale* (Gramineae)  
*Setaria italica* (Gramineae)  
*Solanum* sp. (Solanaceae)  
*Sorghum bicolor* (Gramineae)  
*Trifolium* sp. (Leguminosae)  
*Triticum aestivum* (Gramineae)  
*Vaccinium macrocarpum* (Ericaceae)  
*Zea mays* (Gramineae)
- 10438.1 **sequax** Franclemont, 1951 T  
 Range.- II-VI (FL; TX; West Indies; Mex.-Argentina)  
 Dates.- Nov  
 Hosts.- Unknown



**LEUCANIA** Ochsenheimer, 1816*Donochlora* Sodoffsky, 1837*Leucadia* Sodoffsky, 1837*Borolia* Moore, 1881

[NOTE: Some authors have placed all *Leucania*, plus some other genera (like *Pseudaletia*), into an enlarged *Mythimna*, a genus previously only considered Old World in distribution. Herein these genera are not lumped together.]

10439 **extincta** Guenée, 1852 (McD 1966) **53.8***texana* (Morrison, 1875)*ligata* (Grote, 1875)

Range.- I-VI (e. U.S.: ME-FL/IL-TX)

Dates.- Jan-Nov

Hosts.- grass (Gramineae)

10440 **linita** Guenée, 1852 (McD 1970) **51.10-11***amygdalina* (Harvey, 1878)*punctata* (Strand, 1917)

Range.- I-IV (e. N.Am.: ME-FL/Man.-TX)

Dates.- Feb, Apr

Hosts.- grass (Gramineae)

10444 **phragmatidicola** Guenée, 1852 (McD 1978)*commoides*.- Kimball, 1965 (not Guenée, 1852)*phragmitidicola* Knudson & Bordelon, 1999, missp.

Yellow armyworm

Range.- I-II (e. N.Am.: N.S.-FL/Man.-TX)

Dates.- Apr-Oct

Hosts.- *Agropyron repens* (Gramineae)*Bromus* sp. (Gramineae)*Dactylis glomerata* (Gramineae)*Daucus carota* (Umbelliferae)*Elymus virginicus* (Gramineae)*Phaseolus* sp. (Leguminosae)*Poa* sp. (Gramineae)

grass (Gramineae)

10450 **incognita** Barnes & McDunnough, 1918 (McD 1980)*latiuscula*.- auct. (not Herrich-Schäffer, 1868)*cinereicollis*.- Hampson, 1905 (not Walker, 1858)*texana*.- Barnes & McDunnough, 1913 (not Morrison, 1875)

Range.- I-VIII (Gulf Coast: FL-TX; West Indies; Mex.-Venezuela) T

Dates.- Jan-Dec

Hosts.- ?grass (Gramineae)

10454 **latiuscula** Herrich-Schäffer, 1868 (McD 1991.pt.) T

Range.- VI-VIII (FL; TX; West Indies; Mex.-Venezuela)

Dates.- ?

Hosts.- ?grass (Gramineae)

10454.1 **subpunctata** (Harvey, 1875) (McD 1991.pt.) **53.12***subpuncta* Franclemont, 1983, missp.*latiuscula*.- auct. (not Herrich-Schäffer, 1868)

Forage armyworm

Range.- I-VI (Gulf Coast: FL-TX; West Indies; Mex.-S. Am.)

Dates.- Jan-Dec

Hosts.- *Avena sativa* (Gramineae)*Digitaria sanguinalis* (Gramineae)*Hordeum vulgare* (Gramineae)*Saccharum officinarum* (Gramineae)*Sorghum bicolor* (Gramineae)*Zea mays* (Gramineae)

(Gramineae)

10454.2 **senescens** Möschler, 1890 (McD --) T

Range.- IV-VIII (FL; West Indies)

Dates.- Sep-Oct

Hosts.- ?grass (Gramineae)

10455 **scirpicola** Guenée, 1852 (McD 1979/1981/1989, part) **53.10-11***juncicola* Guenée, 1852*pendens* J. B. Smith, 1905*calpota* J. B. Smith, 1908

Range.- I-VIII (e. N.Am.: N.S.-FL/MO-TX)

Dates.- Jan-Dec

Hosts.- *Stenotaphrum secundatum* (Gramineae)

grass (Gramineae)

10456 **adjuta** (Grote, 1874) (McD 1989, part)

Range.- I-III (se. U.S.: SC-FL/MS-TX)

Dates.- Mar-Apr, Dec

Hosts.- *Dactylis glomerata* (Gramineae)

grass (Gramineae)

10457 **infatuans** Franclemont, 1972 (McD --) **51.12***juncicola*.- Kimball, 1965 (not Guenée, 1852)*multilinea*.- Kimball, 1965 (not Walker, 1856)*solita*.- Kimball, 1965 (not Walker, 1856)

Range.- III-VI (FL; TX; Bahamas; Mex.-Guatemala)

Dates.- Mar-Dec

Hosts.- *Dactylis glomerata* (Gramineae)

grass (Gramineae)

10457.1 **dorsalis** Walker, 1856 (McD --) T

Range.- VI (FL; West Indies; Mex.-Venezuela)

Dates.- ?

Hosts.- ?grass (Gramineae)

10457.2 **inconspicua** Herrich-Schäffer, 1868 (McD --) T

Range.- VIII (FL; West Indies; C. Am.-Venezuela)

Dates.- Mar (stray)

Hosts.- ?grass (Gramineae)

10458 **humidicola** Guenée, 1852 (McD --) T

Sugarcane budworm

Range.- VI-VIII (FL; TX; West Indies; [Mex.]; Venezuela-Brazil)

Dates.- Jan, Mar, Oct-Dec

Hosts.- ?grass (Gramineae)

*Saccharum officinarum* (Gramineae)10460 **calidior** (Forbes, 1936) (McD 1976)*callidior* Franclemont & Todd, 1983, missp.

Range.- I (se. U.S.: GA-FL/AL-MS)

Dates.- ?

Hosts.- grass (Gramineae)

10463 **pilipalpis** (Grote, 1877) (McD 1972) **53.9**

Range.- I-VI (se. U.S.: GA-FL/AL-MS)

Dates.- Jan-Dec

Hosts.- *Dactylis glomerata* (Gramineae)

grass (Gramineae)

10463.1 **lobrega** Adams, 2001 (McD --) T*opalisans*.- Dickel, 1991 (not Draudt, 1924)

Range.- IV-VIII (FL; West Indies)

Dates.- ? (stray?)

Hosts.- ?grass (Gramineae)

**ORTHOSIA** Ochsenheimer, 1816*Orthoa* Billberg, 1820*Monima* Hübner, [1821]*Cuphanoa* Hübner, [1821]

- Semiophora* Stephens, 1829  
*Taeniocampa* Guenée, 1852  
*Cyphonoa* Agassiz, 1846, missp.  
*Ancata* Capuse, 1958  
*Anacta* Kristensen, 1966, missp.
- 10491 **alurina** (J. B. Smith, 1902) (McD 1941)  
 Range.- I (e. U.S.: NY-FL/WI-TX)  
 Dates.- Feb  
 Hosts.- *Prunus virginiana* (Rosaceae)  
*Tilia* sp. (Tiliaceae)
- 10495 **hibisci** (Guenée, 1852) (McD 1943)  
*alia*.- auct. (not Guenée, 1852)  
*insciens* Walker, 1857  
*confluens* (Morrison, 1874)  
 Speckled green fruitworm  
 Range.- I (N.Am.: Que.-FL/B.C.-CA)  
 Dates.- Feb  
 Hosts.- *Acer negundo*, *A. saccharinum* (Aceraceae)  
*Aesculus hippocastanum* (Hippocastanaceae)  
*Alnus rubra* (Betulaceae)  
*Amelanchier florida* (Rosaceae)  
*Betula* sp. (Betulaceae)  
*Carya* sp. (Juglandaceae)  
*Fraxinus* sp. (Oleaceae)  
*Holodiscus discolor* (Rosaceae)  
*Malus pumila* (Rosaceae)  
*Populus* sp. (Salicaceae)  
*Prunus armeniaca*, *P. emarginata*, *P. persica*, *P. serotina* (Rosaceae)  
*Pyrus communis* (Rosaceae)  
*Quercus* sp., *Q. alba* (Fagaceae)  
*Rhododendron* sp. (Ericaceae)  
*Ribes sanguineum* (Saxifragaceae)  
*Salix hookeriana*, *S. scouleriana* (Salicaceae)
- HIMELLA** Grote, 1875  
 10502 **intractata** (Morrison, 1874) (McD 1840)  
*fidelis* Grote, 1875  
 Range.- I (e. U.S.: ME-FL/IL-TX)  
 Dates.- Mar-May  
 Hosts.- *Malus* sp. (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Ulmus* sp. (Ulmaceae)
- EGIRA** Duponchel, 1845  
*Xylomyges* Guenée, 1852  
*Xylomiges* auct., missp.  
*Xylomania* Hampson, 1905
- 10517 **alternans** (Walker, 1857) (McD 1917)  
*tabulara* (Grote, 1878)  
*alternata* Covell, 1984, missp.  
 Range.- I-III (e. U.S.: ME-FL/IL-TX)  
 Dates.- Feb-Mar  
 Hosts.- *Lonicera* sp. (Caprifoliaceae)  
*Prunus serotina*, *P. virginiana* (Rosaceae)  
*Quercus borealis* (Fagaceae)  
*Salix* sp. (Salicaceae)
- ACHATIA** Hübner, [1813]  
*Astrapetis* Hübner, 1821  
*Achalia* Hüubner, [1825], missp.  
*Achatea* Curtis, 1826, missp.  
*Astrapetes* Agassiz, 1846, emend.  
*Achatina* Knudson & Bordelon, 1999, missp.
- 10518 **distincta** Hübner, [1813] (McD 1671) **51.7**  
*vitis* (French, 1879)  
 Range.- I (e. N.Am.: Que.-FL/Man.-TX)  
 Dates.- Mar-Apr  
 Hosts.- *Acer* sp. (Aceraceae)  
*Malus* sp. (Rosaceae)  
*Quercus* sp. (Fagaceae)  
*Vitis* sp., *V. vinifera* (Vitaceae)
- MORRISONIA** Grote, 1874  
 10519 **mucens** (Hübner, [1827-31]) (McD 1901) **53.5**  
*f. sectilis* (Guenée, 1852)  
*multifaria* (Walker, 1857)  
*spoliata* (Walker, 1857)  
*rileyana* J. B. Smith, 1890  
*sectilana* Strand, 1917  
 Range.- I-IV (e. U.S.: NY-FL/IL-TX)  
 Dates.- Jan-Apr, Jul-Aug  
 Hosts.- Unknown
- 10521 **confusa** (Hübner, [1827-31]) (McD 1904) **53.6**  
*infructuosa* (Walker, 1857)  
 Range.- I-IV (N.Am.: Que.-FL/Alb.-CA)  
 Dates.- Jan-Mar  
 Hosts.- *Castanea mollissima* (Fagaceae)  
*Myrica cerifera* (Myricaceae)  
*Pinus palustris*, *P. resinosa* (Pinaceae)  
*Tilia* sp. (Tiliaceae)  
*Vaccinium* sp. (Ericaceae)
- ERIOPYGINI**
- PROTORTHODES** McDunnough, 1943  
 10563 **oviduca** (Guenée, 1852) (McD 1855) **53.3**  
*capsella* (Grote, 1875)  
 Range.- I-III (e. N.Am.: Newfd.-FL/Man.-TX)  
 Dates.- Feb-Apr, Sep, Nov  
 Hosts.- *Plantago* sp. (Plantaginaceae)  
*Taraxacum* sp. (Compositae)  
 grass (Gramineae)
- ULOLONCHE** J. B. Smith, 1888  
 10567 **culea** (Guenée, 1852) (McD 1831)  
*modifica* (Morrison, 1874)  
 Range.- I-II (e. N.Am.: Que.-FL/MI-TX)  
 Dates.- Feb-Mar  
 Hosts.- *Quercus rubra* (Fagaceae)
- ORTHODES** Guenée, 1852  
*Orthodea* J. B. Smith, 1906, missp.
- 10585 **crenulata** (Butler, 1890) (McD 1871) **53.4**  
 Range.- I-IV (e. N.Am.: N.S.-FL/Man.-UT)  
 Dates.- Feb-Oct  
 Hosts.- *Salix* sp. (Salicaceae)  
*Taraxacum* sp. (Compositae)  
 grass (Gramineae)
- 10587 **cynica** Guenée, 1852 (McD 1872)  
*nimia* Guenée, 1852  
*candens* Guenée, 1852  
*tecta* Walker, 1865  
 Range.- I-II (e. N.Am.: N.S.-FL/Man.-TX)  
 Dates.- May-Aug  
 Hosts.- *Plantago* sp. (Plantaginaceae)

**TRICHOLITA** Grote, 1875

10627 **signata** (Walker, 1860) (McD 1821)  
*semiaperta* (Morrison, 1874)  
 f. *igna* (Barnes & Benjamin, 1927)

a) **semitropicae** (Barnes & Benjamin, 1927) **53.1**

Range.- I-IV (e. N.Am.: N.S.-FL/Man.-TX) [se. subsp.]

Dates.- Oct-Nov

Hosts.- *Plantago* sp. (Plantaginaceae)  
*Taraxacum officinale* (Compositae)

**MARILOPTERYX** Franclemont, 1982

\*10633 **lutina** (J. B. Smith, 1902) (McD 1827) **53.2**  
*velutina* (J. B. Smith, 1900), preocc. (Eversmann, 1846)

Range.- IV-VI (Florida)

Dates.- Feb, Apr-Jun

Hosts.- Unknown

**GLOTTULINI****XANTHOPASTIS** Hübner, [1821]

*Euthisanotia* Hübner, [1827-31]  
*Philochrysa* Grote, 1863  
 10640 **timais** (Cramer, 1780) (McD 1954) T **50.2**  
*amaryllidis* (Sepp, [1832-40])  
*heterocampa* (Guenée, 1852)  
*regnatix* (Grote, 1864)  
*antillium* Dyar, 1913  
*moctezuma* Dyar, 1913  
*molinoi* Dyar, 1919

Spanish moth

Range.- I-VIII (e. U.S.: NY-FL/IL-TX; West Indies; Mex.-Argentina)

Dates.- Jan-Jun, Sep, Nov-Dec

Hosts.- *Amaryllis* sp., *A. belladonna* (Amaryllidaceae)  
*Clivia* sp., *C. miniata* (Amaryllidaceae)  
*Cooperia* sp. (Amaryllidaceae)  
*Crinum* sp., *C. americanum*, *C. erubescens*, *C. jag-us*, *C. moorei*, *C. powellii* (Liliaceae)  
*Eucharis* sp. *E. grandiflora* (Amaryllidaceae)  
*Haemanthus* sp., *H. fascinator* (Amaryllidaceae)  
*Hippeastrum* sp., *H. puniceum*, *H. vittatum* (Amaryllidaceae)  
*Hymenocallis* sp., *H. calathina*, *H. caroliniana*, *H. crassifolia*, *H. keyensis*, *H. latifolia* (Amaryllidaceae)  
*Iris* sp. (Iridaceae)  
*Leucojum vernum* (Liliaceae)  
*Lilium* sp. (Liliaceae)  
*Narcissus* sp., *N. tazetta* (Amaryllidaceae)  
*Pancratium* sp., *P. declinatum*, *P. rotatum* (Amaryllidaceae)  
*Sprekelia formosissima* (Amaryllidaceae)  
*Sternbergia lutea* (Amaryllidaceae)  
*Vallota speciosa* (Amaryllidaceae)  
*Xanthosoma* sp. (Araceae)  
*Zantedeschia* sp. (Araceae)  
*Zephyranthes* sp., *Z. atamasco*, *Z. rosea*, *Z. treatiae* (Amaryllidaceae)

*Agronoma* Hübner, [1821]

*Agronomae* Hübner, [1821], missp.

*Georyx* Hübner, [1821]

*Psammophila* Stephens, 1850, preocc. (not Brown, 1827)

*Porosagrotis* J. B. Smith, 1890

*Paroragrotis* Dod, 1910, missp.

10648 **gladiaria** Morrison, 1874 (McD 1422) **52.9**

*morrisoniana* Morrison, 1875

*morrisoniana* Riley, 1875, preocc.

Clay-backed cutworm

Range.- I (e. N.Am.: Que.-FL/WI-TX)

Dates.- Sep

Hosts.- *Allium cepa* (Alliaceae)

*Aster* sp., *A. ericoides* (Compositae)

*Avena sativa* (Gramineae)

*Brassica oleracea* (Cruciferae)

*Cannabis sativa* (Cannabidaceae)

*Fragaria chiloensis* (Rosaceae)

*Ipomoea batatas* (Convolvulaceae)

*Lycopersicon esculentum* (Solanaceae)

*Nicotiana tabacum* (Solanaceae)

*Phaseolus vulgaris* (Leguminosae)

*Rubus allegheniensis*, *R. idaeus* var. *strigosus* (Rosaceae)

*Rumex crispus* (Polygonaceae)

*Solanum tuberosum* (Solanaceae)

*Solidago* sp. (Compositae)

*Trifolium* sp. (Leguminosae)

*Viola tricolor* (Violaceae)

*Zea mays* (Gramineae)

grass (Gramineae)

10651 **venerabilis** Walker, 1857 (McD 1425)

Dusky cutworm

Range.- I-II (N.Am.: Que.-FL/B.C.-CA)

Dates.- Sep, Nov-Dec

Hosts.- *Avena sativa* (Gramineae)

*Brassica oleracea* (Cruciferae)

*Medicago sativa* (Leguminosae)

*Melilotus alba* (Leguminosae)

*Nicotiana tabacum* (Solanaceae)

*Stellaria media* (Caryophyllaceae)

*Trifolium* sp. (Leguminosae)

*Viola tricolor* (Violaceae)

*Zea mays* (Gramineae)

grass (Gramineae)

10661 **malefida** Guenée, 1852 (McD 1434) **52.16**

*inspinosa* Guenée, 1852

*consueta* Walker, 1857

*submucosa* Herrich-Schäffer, 1868

Pale-sided cutworm

Range.- I-VIII (U.S.: NY-FL/WI-CA; Mex.-S. Am.)

Dates.- Jan-Oct

Hosts.- *Allium cepa* (Alliaceae)

*Beta vulgaris* (Chenopodiaceae)

*Brassica oleracea*, *B. oleracea* var. *viridis* (Cruciferae)

*Capsicum annuum* (Gramineae)

*Cynodon dactylon* (Gramineae)

*Gossypium herbaceum* (Malvaceae)

*Lactuca sativa*

*Lycopersicon esculentum* (Solanaceae)

*Nicotiana tabacum* (Solanaceae)

**NOCTUINAE****AGROTINI****AGROTIS** Ochsenheimer, 1816

*Scotia* Hübner, [1821]

- Phaseolus vulgaris* (Leguminosae)  
*Pisum sativum* (Leguminosae)  
*Portulaca grandiflora*, *P. oleracea* (Portulacaceae)  
*Saccharum officinarum* (Gramineae)  
*Solanum tuberosum* (Solanaceae)  
*Sorghum halepense* (Gramineae)  
*Stellaria media* (Caryophyllaceae)  
*Tragopogon porrifolius* (Compositae)  
*Trifolium* sp. (Leguminosae)  
*Zea mays* (Gramineae)  
 grass (Gramineae)
- 10662 **apicalis** Herrich-Schäffer, 1868 (McD --) T  
 Range.- VIII (FL; West Indies-S.Am.)  
 Dates.- May (stray)  
 Hosts.- *Sedum* sp. (Crassulaceae)
- 10663 **ipsilon** (Hufnagel, 1766) (McD 1435) **52.18**  
*suffusa* (Denis & Schiffermüller, 1775)  
*ypsilon* (Rottemburg, 1776), missp.  
*idonea* (Cramer, 1780)  
*spinula*.- Esper, 1786 (not Denis & Schiffermüller, 1775)  
*spinifera* (Villers, 1789)  
*telifera* Harris, 1841  
 Greasy cutworm; Black cutworm  
 Range.- I-VI (N.Am. [introd.]: Labr.-FL/B.C.-CA; West Indies; Mex.-Argentina; Old World)  
 Dates.- Jan-Dec  
 Hosts.- *Allium cepa* (Alliaceae)  
*Apium graveolens* (Umbelliferae)  
*Asparagus officinalis* (Liliaceae)  
*Avena sativa* (Gramineae)  
*Beta vulgaris* (Chenopodiaceae)  
*Brassica hirta*, *B. nigra*, *B. oleracea*, *B. oleracea* var. *botyrtis* (Cruciferae)  
*Capsicum annuum* (Solanaceae)  
*Cicer arietinum* (Leguminosae)  
*Cichorium intybus* (Compositae)  
*Citrus sinensis* (Rutaceae)  
*Cucumis sativus* (Cucurbitaceae)  
*Cucurbita maxima* (Cucurbitaceae)  
*Cynodon dactylon* (Gramineae)  
*Daucus carota* (Umbelliferae)  
*Digitaria decumbens* (Gramineae)  
*Fragaria chiloensis* (Rosaceae)  
*Gladiolus* sp. (Iridaceae)  
*Gossypium herbaceum* (Malvaceae)  
*Ipomoea purpurea*, *I. quamoclit* (Convolvulaceae)  
*Lactuca sativa* (Compositae)  
*Lycopersicon esculentum* (Solanaceae)  
*Malus pumila* (Rosaceae)  
*Malva rotundifolia* (Malvaceae)  
*Nicotiana tabacum* (Solanaceae)  
*Parthenium argentatum* (Compositae)  
*Phaseolus vulgaris* (Leguminosae)  
*Pisum* sp. (Leguminosae)  
*Portulaca oleracea* (Portulacaceae)  
*Prunus persica* (Rosaceae)  
*Raphanus sativus* (Cruciferae)  
*Ricinus communis* (Euphorbiaceae)  
*Saccharum officinarum* (Gramineae)  
*Salsola iberica* (Chenopodiaceae)  
*Sisymbrium* sp. (Cruciferae)  
*Solanum melongena*, *S. tuberosum* (Solanaceae)  
*Sorghum* sp. (Gramineae)  
*Spinacia oleracea* (Chenopodiaceae)
- Stenotaphrum secundatum* (Gramineae)  
*Trifolium* sp. (Leguminosae)  
*Vaccinium angustifolium*, *V. macrocarpum* (Ericaceae)  
*Vitis* sp., *V. vinifera* (Vitaceae)  
*Zea mays* (Gramineae)  
 grass (Gramineae)
- 10664 **subterranea** (Fabricius, 1794) (McD 1450) T **52.17**  
*annexa* Treitschke, 1825  
*anteposita* Guenée, 1852  
*lutescens* (Blanchard, 1852)  
*decernens* Walker, 1857  
*interferens* Walker, 1858  
*lutea* (Druce, 1889)  
*interposita* Maassen, 1890  
 Granulate cutworm  
 Range.- I-VIII (U.S.: MA-FL/SD-CA; West Indies; Mex.-S.Am.)  
 Dates.- Jan-Dec  
 Hosts.- *Allium* sp. (Liliaceae)  
*Amaranthus* sp. (Amaranthaceae)  
*Arachis hypogaea* (Leguminosae)  
*Arctium lappa* (Compositae)  
*Asparagus officinalis* (Liliaceae)  
*Beta vulgaris* (Chenopodiaceae)  
*Brassica oleracea*, *B. oleracea* var. *botyrtus*, *B. oleracea* var. *gemmifera*, *B. rapa* (Cruciferae)  
*Caladium* sp. (Araceae)  
*Capsella bursa-pastoris* (Cruciferae)  
*Capsicum annuum*, *C. frutescens* (Solanaceae)  
*Cichorium endivia* (Compositae)  
*Citrullus* sp. (Cucurbitaceae)  
*Cucumis melo* (Cucurbitaceae)  
*Cucurbita* sp. (Cucurbitaceae)  
*Daucus carota* (Umbelliferae)  
*Eremochloa ophiuroides* (Gramineae)  
*Gossypium herbaceum* (Malvaceae)  
*Hibiscus* sp., *H. cannabinus* (Malvaceae)  
*Ilex crenata* (Aquifoliaceae)  
*Ipomoea batatas* (Convolvulaceae)  
*Lactuca sativa* (Compositae)  
*Lepidium virginicum* (Cruciferae)  
*Lycopersicon esculentum* (Solanaceae)  
*Medicago sativa* (Leguminosae)  
*Nicandra physalodes* (Solanaceae)  
*Nicotiana tabacum* (Solanaceae)  
*Passiflora incarnata* (Passifloraceae)  
*Persea americana* (Lauraceae)  
*Petroselinum crispum* (Umbelliferae)  
*Petunia* sp. (Solanaceae)  
*Phaseolus limensis*, *P. vulgaris* (Leguminosae)  
*Phyla nodiflora* (Verbenaceae)  
*Piper* sp. (Piperaceae)  
*Pisum sativum* (Leguminosae)  
*Plantago* sp. (Plantaginaceae)  
*Polygonum aviculare* (Polygonaceae)  
*Prunus* sp. (Rosaceae)  
*Raphanus sativus* (Cruciferae)  
*Solanum melongena* var. *esculentum*, *S. tuberosum* (Solanaceae)  
*Stenotaphrum secundatum* (Gramineae)

- Tagetes* sp. (Compositae)  
*Taraxacum officinale* (Compositae)  
*Trifolium* sp. (Leguminosae)  
*Triticum aestivum* (Gramineae)  
*Vigna sinensis* (Leguminosae)  
*Xanthium strumarium* (Compositae)  
*Zea mays* (Gramineae)
- 10665 **repleta** Walker, 1857 (McD 145).1) T  
 Range.- I-VI (Gulf Coast: FL-TX; West Indies; Mex.-C. Am.)  
 Dates.- Jan (stray)  
 Hosts.- Unknown
- FELTIA** Walker, 1856
- 10670 **jaculifera** (Guenée, 1852) (McD 1442/1445, part)  
*ducens* Walker, 1856 **52.26**  
*radiata* J. B. Smith, 1891  
*subgothica*.- auct. (not Haworth, [1890])  
 Dingy cutworm
- Range.- I (e. N.Am.: Que.-FL/WI-CO-TX; Mex.)  
 Dates.- Sep-Oct  
 Hosts.- *Apium graveolens* (Umbelliferae)  
*Aster ericoides* (Compositae)  
*Brassica oleracea*, *B. rapa* (Cruciferae)  
*Cabomba caroliniana* (Cabombaceae)  
*Conringia orientalis* (Cruciferae)  
*Cucumis melo* (Cucurbitaceae)  
*Fragaria chiloensis* (Rosaceae)  
 grass (Gramineae)  
*Ipomoea batatas* (Convolvulaceae)  
*Lactuca sativa* (Compositae)  
*Lupinus* sp. (leguminosae)  
*Lycopersicon esculentus* (Solanaceae)  
*Malus pumila* (Rosaceae)  
*Nicotiana tabacum* (Solanaceae)  
*Phaseolus vulgaris* (Leguminosae)  
*Pisum sativum* (Leguminosae)  
*Plantago* sp. (Plantaginaceae)  
*Poa pratensis* (Gramineae)  
*Rumex crispus* (Polygonaceae)  
*Secale cereale* (Gramineae)  
*Solanum tuberosum* (Solanaceae)  
*Solidago* sp. (Compositae)  
*Stellaria media* (Caryophyllaceae)  
*Taraxacum officinale* (Compositae)  
*Trifolium* sp. (Leguminosae)  
*Triticum aestivum* (Gramineae)  
*Vaccinium angustifolium*, *V. myrtilloides* (Ericaceae)  
*Verbascum* sp. (Scrophulariaceae)  
*Zea mays* (Gramineae)  
 grass (Gramineae)
- 10674 **subgothica** (Haworth, 1809) (McD 1445)  
*jaculifera*.- auct. (not Guenée, 1852)  
 Subgothic cutworm
- Range.- I (N.Am.: Que.-FL/B.C.-NM; Mex.)  
 Dates.- Aug-Nov  
 Hosts.- *Armoracia rusticana* (Cruciferae)  
*Brassica oleracea* (Cruciferae)  
*Cucumis sativus* (Cucurbitaceae)  
*Cucurbita maxima* (Cucurbitaceae)  
*Fragaria chiloensis* (Rosaceae)  
*Helianthus* sp. (Compositae)  
*Lycopersicon esculentum* (Solanaceae)

- Malus pumila* (Rosaceae)  
*Nicotiana tabacum* (Solanaceae)  
*Phaseolus vulgaris* (leguminosae)  
*Pisum sativum* (Leguminosae)  
*Trifolium* sp. (Leguminosae)  
*Triticum aestivum* (Gramineae)  
*Zea mays* (Gramineae)  
 grass (Gramineae)
- 10676 **herilis** (Grote, 1873) (McD 1446)  
 Herilis cutworm
- Range.- I (N.Am.: N.S.-FL/B.C.-NM)  
 Dates.- Oct  
 Hosts.- *Apium graveolens* (Umbelliferae)  
*Aster ericoides* (Compositae)  
*Brassica oleracea*, *B. rapa* (Cruciferae)  
*Cucumis melo* (Cucurbitaceae)  
*Fragaria chiloensis* (Rosaceae)  
 grass (Gramineae)  
*Ipomoea batatas* (Convolvulaceae)  
*Lactuca sativa* (Compositae)  
*Lycopersicon esculentum* (Solanaceae)  
*Malus* sp. (Rosaceae)  
*Nicotiana tabacum* (Solanaceae)  
*Phaseolus vulgaris* (Leguminosae)  
*Pisum sativum* (Leguminosae)  
*Solanum* sp. (Solanaceae)  
*Zea mays* (Gramineae)  
 grass (Gramineae)
- TRICHOSILIA** Hampson, 1918
- 10679.1 **manifesta** (Morrison, 1875) (McD 1439)  
*impingens* (Dyar, 1920)
- Range.- I (e. U.S.: MA-FL/IL-TX)  
 Dates.- ? (stray)  
 Hosts.- *Trifolium repens* (Leguminosae)
- 10680 **geniculata** (Grote & Robinson, 1868) (McD 1451)  
 Range.- I-IV (N.Am.: N.S.-FL/WA-TX; Mex.) **52.10**  
 Dates.- Sep-Nov  
 Hosts.- Unknown
- EUCOPTOCNEMIS** Grote, 1874
- 10694 **fimbriaris** (Guenée, 1852) (McD 1410/1411) **52.6**  
*tripars* (Walker, 1856)  
*obvia* (Walker, 1858)  
*worthingtoni* (Grote, 1880)  
 f. *sordida* Grote, 1893
- Range.- I-II (e. U.S.: NH-FL/IL-CO-TX)  
 Dates.- Apr, Sep-Nov  
 Hosts.- Unknown
- 10696 **dapsilis** (Grote, 1882) (McD 1412) **52.7-8**  
 Range.- I-IV (se. U.S.: MD-FL/AR-TX)  
 Dates.- Oct-Dec  
 Hosts.- Unknown
- EUXOA** Hübner, [1821]
- Metaxyja* Hübner, [1821]  
*Exarnis* Hübner, [1821]  
*Brotis* Hübner, [1821]  
*Telmia* Hübner, [1821]  
*Mimetes* Hübner, [1821], preocc. (Eschscholtz, 1818)  
*Metaxyja* Walker, 1857, missp.  
*Carneades* Grote, 1883  
*Metaxyja* Hampson, 1903, missp.

- Mimetis* Hampson, 1903, missp.  
*Prosagrotis* Warren, 1911, missp.  
*Mesoeuxoa* Corti, 1932  
*Agrotiphila*.– auct. (not Grote, 1875)  
Subgenus **CHORIZAGROTIS** J. B. Smith, 1890  
10731 **auxiliaris** (Grote, 1873) (McD 1387)  
*introferens* (Grote, 1875)  
var. *agrestis* (Grote, 1877)  
*flexilis* (J. B. Smith, 1890)  
ab. *tegularis* Strand, 1916  
*tegularis* (Draudt, 1924)  
f. *montanus* (Cook, 1930)  
Army cutworm  
Range.– I-II (N.Am.: MI-FL/B.C.-CA; Mex.)  
Dates.– May (stray)  
Hosts.– *Acer* sp. (Aceraceae)  
*Agropyron smithii* (Gramineae)  
*Agrostis* sp. (Gramineae)  
*Allium cepa* (Alliaceae)  
*Apium graveolens* (Umbelliferae)  
*Armoracia lapathifolia* (Cruciferae)  
*Avena sativa* (Gramineae)  
*Balsamorhiza sagittata* (Compositae)  
*Beta vulgaris* (Chenopodiaceae)  
*Brassica hirta*, *B. nigra*, *B. oleracea*, *B. rapa*  
(Cruciferae)  
*Capsella bursa-pastoris* (Cruciferae)  
*Cirsium* sp. (Compositae)  
*Delphinium* sp. (Ranunculaceae)  
*Descurainia richardsonii* ssp. *incisa* (Cruciferae)  
*Fragaria chiloensis* (Rosaceae)  
*Geum triflorum* (Rosaceae)  
*Gossypium herbaceum* (Malvaceae)  
*Hordeum vulgare* (Gramineae)  
*Linum sulcatum* (Linaceae)  
*Lupinus* sp. (Leguminosae)  
*Lycopersicon esculentum* (Solanaceae)  
*Malus pumila* (Rosaceae)  
*Medicago sativa* (Leguminosae)  
*Onobrychis viciifolia* (Leguminosae)  
*Opuntia* sp. (Cactaceae)  
*Phleum pratense* (Gramineae)  
*Pisum sativum* (Leguminosae)  
*Poa pratensis* (Gramineae)  
*Prunus americana*, *P. armeniaca*, *P. cerasus*, *P.*  
*domestica*, *P. persica* (Rosaceae)  
*Raphanus sativus* (Cruciferae)  
*Rheum rhabarbarum* (Polygonaceae)  
*Ribes lacustre*, *R. sativum* (Saxifragaceae)  
*Rubus allegheniensis*, *R. idaeus* var. *strigosus*  
(Rosaceae)  
*Secale cereale* (Gramineae)  
*Solanum tuberosum* (Solanaceae)  
*Taraxacum officinale* (Compositae)  
*Thlaspi arvense* (Cruciferae)  
*Trifolium* sp. (Leguminosae)  
*Triticum aestivum* (Gramineae)  
*Zea mays* (Gramineae)  
grass (Gramineae)  
10732 **inconcinna** (Harvey, 1875) (McD 1388)  
*mercenaria* (Grote, 1878)  
*sorrow* (Smith, [1888])  
Range.– I (N.Am.: OK-FL/NV-CA; Mex.)  
Dates.– Oct (stray)  
Hosts.– Unknown  
Subgenus **EUXOA** Hübner, [1821]  
10805 **tessellata** (Harris, 1841) (McD 1341/1342)  
*insulsa* (Walker, 1856)  
*insignata* (Walker, 1857)  
*perlentans* (Walker, 1857)  
*maizi* (Fitch, 1864)  
*atropurpurea* (Grote, 1877)  
*tesselloides* (Grote, 1882)  
*finis* (J. B. Smith, 1888)  
*remota* (J. B. Smith, 1890)  
*flaviscapula* (J. B. Smith, 1900)  
*noctuiiformis* (J. B. Smith, 1900)  
*neotelis* (J. B. Smith, 1900)  
*atrofusca* (J. B. Smith, 1900)  
*objurgata* (J. B. Smith, 1900)  
*cariosa* (J. B. Smith, 1900)  
*nordica* (J. B. Smith, 1900)  
*caesia* (J. B. Smith, 1900)  
*acutifrons* (J. B. Smith, 1900)  
*laminis* (J. B. Smith, 1900)  
*focina* (J. B. Smith, 1903)  
*marinensis* McDunnough, 1941  
Striped cutworm  
Range.– I (N.Am.: Newfd.-FL/AK-CA; Mex.)  
Dates.– Jan-Sep (stray)  
Hosts.– *Acer negundo* (Aceraceae)  
*Allium cepa* (Liliaceae)  
*Apium graveolens* (Umbelliferae)  
*Beta vulgaris* (Chenopodiaceae)  
*Brassica oleracea* (Cruciferae)  
*Cucumis melo*, *C. sativus* (Cucurbitaceae)  
*Cucurbita maxima* (Cucurbitaceae)  
*Daucus carota*, var. *sativus* (Umbelliferae)  
*Fagopyrum esculentum* (Polygonaceae)  
*Lactuca sativa* (Compositae)  
*Linum sulcatum* (Linaceae)  
*Lycopersicon esculentum* (Solanaceae)  
*Malus pumila* (Rosaceae)  
*Nicotiana tabacum* (Solanaceae)  
*Pastinaca sativa* (Umbelliferae)  
*Phaseolus vulgaris* (Leguminosae)  
*Polygonum* sp. (Polygonaceae)  
*Portulaca oleracea* (Portulacaceae)  
*Prunus cerasus*, *P. domestica*, *P. persica* (Rosa-  
ceae)  
*Pyrus communis* (Rosaceae)  
*Raphanus sativus* (Cruciferae)  
*Rheum rhabarbarum* (Polygonaceae)  
*Rumex* sp. (Polygonaceae)  
*Tuberosum* sp. (Solanaceae)  
*Spinacia oleracea* (Chenopodiaceae)  
*Trifolium* sp. (Leguminosae)  
*Vitis* sp., *V. vinifera* (Vitaceae)  
*Zea mays* (Gramineae)  
grass (Gramineae)  
10810 **violaris** (Grote & Robinson, 1868) (McD 1385)  
Range.– I-II (Atlantic/Gulf Coasts: MA-FL)  
Dates.– Oct  
Hosts.– Unknown

## ANICLINI

**RICHIA** Grote, 1887*Loxagrotis* McDunnough, [1929]10869 **grotei** (Franclemont & Todd, 1983) (McD 1394)*apicalis* (Grote, 1881), preocc.

Range.- I (w.U.S.: CO-FL/NM)

Dates.- ?

Hosts.- *Kuhnia eupatorioides* (Compositae)**EUAGROTIS** McDunnough, 192910901 **lubricans** (Guenée, 1852) (McD 1482) **52.12***associans* (Walker, 1858)*spreti* (J. B. Smith, 1902)

Range.- I-VI (e. U.S.: NC-FL/IL-TX)

Dates.- Jan-Dec

Hosts.- Unknown

10903 **illapsa** (Walker, 1857) (McD 1483) **52.11, 13**

Range.- I-VI (e. U.S.: MA-FL/IL-TX)

Dates.- Jan-May

Hosts.- Unknown

10907 **simplicia** (Morrison, 1874) (McD 1487)*simplaria* (Morrison, 1875), missp.

Range.- I-II (Gulf Coast: [GA]/FL-TX)

Dates.- Jan-Mar, Oct-Nov

Hosts.- Unknown

10908 **digna** (Morrison, 1875) (McD 1488)*nigrovittata* (Grote, 1876)

Range.- I (Gulf Coast: FL-TX)

Dates.- stray

Hosts.- Unknown

**ANICLA** Grote, 1874*Anida* Grote, 1875, missp.*Anciola* Neave, 1939, missp.10911 **infecta** (Ochsenheimer, 1816) (McD 1481) **52.19***praecox*.- (Hübner, [1803-08]) (not Linnaeus, 1758)*incivis* (Guenée, 1852)*praecipua* (Walker, 1869)*bartolemica* (Wallengren, 1871)*alabamiae* (Grote, 1874)*pauper* (Butler, 1878)*incisa* (Gundlach, 1881)*mulina* (Möschler, 1886)*mahalpa* Schaus, 1898

Green cutworm

Range.- I-VIII (e. N.Am.: ME-FL/Man.-TX; West Indies; Mex.-S. Am.)

Dates.- Jan-Dec

Hosts.- *Avena* sp., *A. sativa* (Gramineae)*Beta vulgaris* (Chenopodiaceae)*Brassica capitata* (Cruciferae)*Cenchrus pauciflorus*, *C. tribuloides* (Gramineae)*Chrysanthemum x morifolium* (Compositae)*Digitaria sanguinalis* (Gramineae)*Muhlenbergia* sp. (Gramineae)*Nicotiana tabacum* (Solanaceae)*Oryza sativa* (Gramineae)*Paspalum notatum* (Gramineae)*Plantago* sp. (Plantaginaceae)*Poa pratensis* (Gramineae)*Portulaca* sp., *P. oleracea* (Portulacaceae)*Stenotaphrum secundatum* (Gramineae)*Trifolium* sp. (Leguminosae)

grass (Gramineae)

10912 **cemolia** Franclemont, 1967 (McD 1481.1) T

Range.- VIII (FL; West Indies)

Dates.- Mar-Apr, Jul-Oct

Hosts.- Unknown

**PERIDROMA** Hübner, [1821]10915 **saucia** (Hübner, [1803-08]) (McD 1496) T **52.20***margaritosa* (Haworth, [1809])*majuscula* (Haworth, [1809])*aegua* (Hübner, [1809-13])*stictica* (Blanchard, 1854)*infusata* (Blanchard, 1854)*impacta* (Walker, 1856)*intecta* (Walker, 1856)*ambrosioides* (Walker, 1857)*angulifera* (Wallengren, 1860)*ortonii* (Packard, 1869)*ochronota* (Hampson, 1903)*fuscobrunnea* (Strand, 1916)*porphyrea*.- Edelsten, 1939 (not Denis & Schiffermüller, 1775)*ambrosioedes* Franclemont & Todd, 1983, missp.

Variegated cutworm

Range.- I-VIII (N.Am.: Labr.-FL/B.C.-CA; West Indies; Mex.-Argentina; Old World)

Dates.- Jan-Aug, Oct-Dec

Hosts.- *Abies* sp., *A. balsamea*, *A. grandis* (Pinaceae)*Acer* sp., *A. negundo*, *A. saccharum* (Aceraceae)*Allium cepa* (Alliaceae)*Alnus rubra* (Betulaceae)*Althaea rosea* (Malvaceae)*Ambrosia artemisiifolia* (Compositae)*Amelanchier florida* (Rosaceae)*Anthemis cotula* (Compositae)*Asparagus medeoloides*, *A. officinalis*, *A. plumosa* (Liliaceae)*Beta vulgaris* (Chenopodiaceae)*Brassica hirta*, *B. nigra*, *B. oleracea*, *B. rapa* (Cruciferae)*Capsella bursapastoris* (Cruciferae)*Capsicum annuum* (Solanaceae)*Chamaecyparis thyoides* (Cupressaceae)*Chrysanthemum* sp. (Compositae)*Cirsium* sp., *C. vulgare* (Compositae)*Citrus limon*, *C. sinensis* (Rutaceae)*Conyza canadensis* (Compositae)*Cucumis sativus* (Cucurbitaceae)*Cucurbita* sp. (Cucurbitaceae)*Datura stramonium**Daucus carota* var. *sativus* (Umbelliferae)*Dianthus barbatus*, *D. caryophyllus* (Caryophyllaceae)*Epilobium angustifolium* (Onagraceae)*Eupatorium* sp. (Compositae)*Fittonia verschaffeltii* (Acanthaceae)*Fragaria chiloensis* (Rosaceae)*Geranium* sp. (Geraniaceae)*Gleditsia triacanthos* (Leguminosae)*Gossypium herbaceum* (Malvaceae)

grass (Gramineae)

*Helianthus annuus* (Compositae)*Humulus lupulus* (Cannabidaceae)

*Lactuca sativa* (Compositae)  
*Lathyrus odoratus* (Leguminosae)  
*Lycopersicon esculentum* (Solanaceae)  
*Maclura pomifera* (Moraceae)  
*Malus pumila* (Rosaceae)  
*Matthiola incana* (Cruciferae)  
*Medicago sativa* (leguminosae)  
*Melilotus alba* (Leguminosae)  
*Morus* sp. (Moraceae)  
*Nicotiana tabacum* (Solanaceae)  
*Parthenium argentatum* Compositae)  
*Persea americana* (Lauraceae)  
*Phleum pratense* (Gramineae)  
*Piper* sp. (Piperaceae)  
*Pisum sativum* (Leguminosae)  
*Plantago* sp., *P. lanceolata* (Plantaginaceae)  
*Polygonum aviculare* (Polygonaceae)  
*Portulaca oleracea* (Portulacaceae)  
*Prunus americana*, *P. armeniaca*, *P. cerasus*, *P. domestica*, *P. emarginata*, *P. persica* (Rosaceae)  
*Pteridium aquilinum* var. *latiusculum* (Polypodiaceae)  
*Quercus* sp. *Q. alba* (Fagaceae)  
*Raphanus sativus* (Cruciferae)  
*Rheum rhabarbarum* (Polygonaceae)  
*Rhus* sp., *R. copallina* (Anacardiaceae)  
*Ribes lacustre*, *R. sanguineum*, *R. sativum* (Saxifragaceae)  
*Rosa* sp. (Rosaceae)  
*Rubus allegheniensis*, *R. occidentalis*, *R. idaeus* var. *strigosus* (Rosaceae)  
*Rumex crispus* (Polygonaceae)  
*Salix* sp., *S. hookeriana*, *S. couleriana* (Salicaceae)  
*Salvia officinalis* (Labiatae)  
*Smilax rotundifolia* (Smilacaceae)  
*Solanum tuberosum* (Solanaceae)  
*Solidago leavenworthii* (Compositae)  
*Spinacia* sp. (Chenopodiaceae)  
*Stellaria media* (Caryophyllaceae)  
*Trifolium* sp. (Leguminosae)  
*Triticum aestivum* (Gramineae)  
*Tropaeolum majus* (Cruciferae)  
*Tsuga canadensis* (Pinaceae)  
*Urtica* sp. (Urticaceae)  
*Vaccinium* sp., *V. angustifolium*, *V. corymbosum*, *V. myrtilloides* (Ericaceae)  
*Viola* sp., *V. tricolor* (Violaceae)  
*Vitis* sp., *V. vinifera* (Vitaceae)  
*Xanthium strumarium* (Compositae)  
*Zea mays* (Gramineae)  
 grass (Gramineae)

## NOCTUINI

### XESTIA Hübner, 1818

*Amathes* Hubner, [1821]  
*Megasema* Hubner, [1821]  
*Lytaea* Stephens, 1829  
*Segetia* Stephens, 1829  
*Hiptelia* Guenée, 1852  
*Anomogyna* Staudinger, 1871  
*Pteroscia* Morrison, 1874  
*Platagrotis* J. B. Smith, 1890  
*Anomagyna* Benjamin, 1933, missp.

10942.1 **dolosa** Franclemont, 1980 (McD 1511, part)  
*c-nigrum*.– auct., part (not Linnaeus, 1758)  
 Spotted cutworm  
 Range.– I-II (e. N.Am.: N.S.-FL/ND-TX?)  
 Dates.– May, Oct (stray)  
 Hosts.– *Acer* sp. (Aceraceae)  
*Alium cepa* (Liliaceae)  
*Apium graveolens* (Umbelliferae)  
*Aronia melanocarpa* (Rosaceae)  
*Avena sativa* (Gramineae)  
*Beta vulgaris* (Chenopodiaceae)  
*Brassica oleracea*, *B. oleracea* var. *botrytis*, *B. rapa* (Cruciferae)  
*Cichorium intybus* (Compositae)  
*Cirsium arvense* (Compositae)  
*Comptonia peregrina* (Myricaceae)  
*Daucus carota* var. *sativus* (Umbelliferae)  
*Helianthus* sp. (Compositae)  
*Hordeum vulgare* (Gramineae)  
*Lactuca sativa* (Compositae)  
*Lamium* sp. (Labiatae)  
*Linum sulcatum* (Linaceae)  
*Lobelia* sp. (Campanulaceae)  
*Lycopersicon esculentum* (Solanaceae)  
*Malus pumila* (Rosaceae)  
*Myosotis* sp. (Boraginaceae)  
*Nicotiana tabacum* (Solanaceae)  
*Pisum sativum* (Leguminosae)  
*Plantago* sp. (Plantaginaceae)  
*Primula* sp. (Primulaceae)  
*Pyrus communis* (Rosaceae)  
*Rheum rhabarbarum* (Polygonaceae)  
*Ribes lacustre*, *R. sativum* (Saxifragaceae)  
*Rumex* sp. (Polygonaceae)  
*Senecio vulgaris* (Compositae)  
*Solanum tuberosum* (Solanaceae)  
*Solidago* sp. (Compositae)  
*Spiraea latifolia* (Rosaceae)  
*Stellaria media* (Caryophyllaceae)  
*Taraxacum officinale* (Compositae)  
*Thalictrum* sp. (Ranunculaceae)  
*Trifolium* sp., *T. pratense* (Leguminosae)  
*Triticum aestivum* (Gramineae)  
*Vaccinium* sp., *V. angustifolium*, *V. macrocarpon*, *V. myrtilloides* (Ericaceae)  
*Verbascum* sp. (Scrophulaceae)  
*Viburnum* sp. (Caprifoliaceae)  
*Viola* sp., *V. tricolor* (Violaceae)  
*Zea mays* (Gramineae)  
 grass (Gramineae)  
 10950 **bicarnea** (Guenée, 1852) (McD 1523)  
*plagiata* (Walker, 1865)  
 Range.– I (e. N.Am.: Newfd.-FL/Man.-TX?)  
 Dates.– stray  
 Hosts.– *Acer* sp. (Aceraceae)  
*Betula populifolia* (Betulaceae)  
*Spiraea latifolia*, *S. salicifolia* (Rosaceae)  
*Taraxacum officinale* (Compositae)  
*Vaccinium angustifolium* (Ericaceae)  
 grass (Gramineae)  
 10955 **badinodis** (Grote, 1874) (McD 1520)  
 Range.– I-II (e. N.Am.: Que.-FL/WI-TX)



- Dates.- Sep-Oct  
 Hosts.- *Aster* sp. (Compositae)  
           *Nicotiana tabacum* (Solanaceae)  
           *Trifolium* sp. (Leguminosae)  
 10967 **elimata** (Guenée, 1852) (McD 1561) **52.21**  
           *grisatra* (J. B. Smith, 1907)  
 Range.- I-II (se. U.S.: SC-FL/AL-TX)  
 Dates.- Nov  
 Hosts.- *Abies balsamea* (Pinaceae)  
           *Picea* sp., *P. engelmanni*, *P. glauca*, *P. mariana*,  
           *P. rubens* (Pinaceae)  
           *Pinus* sp., *P. banksiana*, *P. resinosa* (Pinaceae)  
           *Tsuga canadensis* (Pinaceae)  
 10969 **dilucida** (Morrison, 1875) (McD 1562) **51.6**  
           *janualis* (Grote, 1878)  
 Range.- I-III (e. N.Am.: Labr.-FL/MN-TX)  
 Dates.- Oct-Nov  
 Hosts.- *Chamaedaphne calyculata*  
           *Larix laricina* (Pinaceae)  
           *Picea mariana* (Pinaceae)  
           *Vaccinium* sp. (Ericaceae)

- HEMIPACHNOBIA** McDunnough, 1929  
 10993 **subporphyrea** (Walker, 1858) (McD 1437/1497)  
 Range.- I (e. N.Am.: N.S.-FL)  
 Dates.- Apr-May  
 Hosts.- *Drosera rotundifolia* (Droseraceae)  
           *Vaccinium macrocarpon* (Ericaceae)

- CHOEPHORA** Grote & Robinson, 1868  
 10998 **fungorum** Grote & Robinson, 1868 (McD 1474)  
 Range.- I (e. N.Am.: Ont.-FL/IL-TX)  
 Dates.- Nov-Dec  
 Hosts.- *Nicotiana tabacum* (Solanaceae)  
           *Taraxacum* sp. (Compositae)  
           *Trifolium* sp. (Leguminosae)

- ABAGROTIS** J. B. Smith, 1890  
 11029 **alternata** (Grote, 1864) (McD 1601)  
           ab. *alternatella* (Strand, 1916)  
           ab. *uniformis* (Strand, 1916)  
           Mottled gray cutworm  
 Range.- I-II (N.Am.: Que.-FL/Alb.-UT-TX)  
 Dates.- Jul  
 Hosts.- *Campsis radicans* (Bignoniaceae)  
           *Carya* sp. (Juglandaceae)  
           *Fraxinus* sp. (Oleaceae)  
           *Juglans nigra* (Juglandaceae)  
           *Malus pumila* (Rosaceae)  
           *Prunus cerasus*, *P. domestica*, *P. persica* (Rosa-  
           ceae)  
           *Quercus* sp., *Q. alba* (Fagaceae)

## HELIOTHINAE

[NOTE: Variations in spelling of the subfamily name, such as Heliothentinae, are misformed, and the correct spelling as based on the genus *Heliothis* is Heliothinae.]

- DERRIMA** Walker, [1858]  
           *Philomma* Grote, 1864  
 11055 **stellata** Walker, [1858] (McD 2719) **55.26**  
           *henrietta* (Grote, 1864)  
           *cinocentralis* Strand, 1912  
 Range.- I-IV (e. U.S.: ME-FL/IL-TX)

- Dates.- Feb-May, Jul-Aug  
 Hosts.- Unknown  
**PYRRHIA** Hübner, [1821]  
 11063 **adela** Lafontaine & Mikkola, 1996 (McD 2715)  
           *umbra*.- auct. (not Hufnagel, 1766)  
 Range.- I-III (e. N.Am.: Newfd.-FL/Man.-TX; Mex.)  
 Dates.- Mar  
 Hosts.- *Alnus* sp. (Betulaceae)  
           *Aquilegia* sp. (Ranunculaceae)  
           *Delphinium* sp. (Ranunculaceae)  
           *Desmodium* sp. (Leguminosae)  
           *Juglans nigra* (Juglandaceae)  
           *Polygonum pensylvanicum* (Polygonaceae)  
           *Populus trichocarpa* (Salicaceae)  
           *Rhus* sp. (Anacardiaceae)  
           *Robinia pseudoacacia* (Leguminosae)  
           *Rosa* sp. (Rosaceae)  
           *Rubus allegheniensis* (Rosaceae)

- RHODOECIA** Hampson, 1910  
 11065 **aurantiago** (Guenée, 1852) (McD 2716) **55.29**  
           *illiterata* (Grote, 1875)  
           *differta* (Morrison, 1875)  
           *illinoisensis* (French, 1879)  
 Range.- I-III (e. N.Am.: Ont.-FL/WI-TX)  
 Dates.- Aug-Oct  
 Hosts.- *Antirrhinum* sp. (Scrophulariaceae)  
           *Aureolaria grandiflora*  
           *Dasistoma macrophylla* (Scrophulariaceae)  
           *Gerardia* sp. (Scrophulariaceae)  
           *Linaria vulgaris* (Scrophulariaceae)

- HELICOVERPA** Hardwick, 1965  
 [NOTE: Past inclusion of this genus in *Heliothis* has been much confused, but careful study of the world fauna, particularly the species found in Australia, demonstrate that *H. zea* belongs in a separate genus *Helicoverpa*. The corn earworm happens to be more similar to members of *Heliothis* that we are familiar with in North America, but when relatives from Australia are noted, one finds that *H. zea* is just at the extreme of species variation within its genus but still in *Helicoverpa* (see Matthews, 1999).]  
 11068 **zea** (Boddie, 1850) (McD 2932) **55.36**  
           *obsoleta* (Fabricius, 1793), preocc. (not Fabricius, 1775)  
           *armigera*.- auct. (not Hübner, [1803- 08])  
           *umbrosus* (Grote, 1862)  
           *ochracea* (Cockerell, 1889)  
           *strombleri* (Okumura & Bauer, 1969)  
           Corn earworm  
 Range.- I-VIII (N.Am.: Que.-FL/B.C.-CA; West Indies; Mex.-Argentina; Old World)  
 Dates.- Jan-Dec  
 Hosts.- *Abelmoschus esculentus* (Malvaceae)  
           *Abutilon* sp. (Malvaceae)  
           *Ageratum conyzoides* (Compositae)  
           *Amaranthus* sp. (Amaranthaceae)  
           *Antirrhinum* sp. *A. majus* (Scrophulariaceae)  
           *Apium graveolens* (Umbelliferae)  
           *Arachis hypogaea* (Leguminosae)  
           *Asparagus officinalis* (Liliaceae)  
           *Atropa belladonna* (Solanaceae)  
           *Avena sativa* (Gramineae)  
           *Brassica oleracea*, *B. oleraces* var. *botrytis*

(Cruciferae)  
*Cajanus cajan* (Leguminosae)  
*Callistephus* sp. (Compositae)  
*Canna* sp. (Cannaceae)  
*Cannabis sativa* (Cannabidaceae)  
*Capsicum annuum* (Solanaceae)  
*Carica papaya* (Caricaceae)  
*Celosia* sp. (Amaranthaceae)  
*Chenopodium album* (Chenopodiaceae)  
*Chrysanthemum* sp., *C. morifolium* (Compositae)  
*Cicer arietinum* (Leguminosae)  
*Cichorium endivia* (Compositae)  
*Citrullus vulgaris* (Cucurbitaceae)  
*Citrus* sp., *C. sinensis* (Rutaceae)  
*Cleome gynandra* (Capparidaceae)  
*Crotalaria sagittalis* (Leguminosae)  
*Cucumis melo*, *C. sativus* (Cucurbitaceae)  
*Cucurbita maxima*, *C. pepa* (Cucurbitaceae)  
*Dahlia variabilis* (Compositae)  
*Datura stramonium* (Solanaceae)  
*Desmodium tortuosum* (Leguminosae)  
*Dianthus caryophyllus* (Caryophyllaceae)  
*Digitaria ischaemum* (Gramineae)  
*Fragaria chiloensis* (Rosaceae)  
*Galax urceolata* (Diapensiaceae)  
*Geranium maculatum* (Geraniaceae)  
*Gerbera* sp., *G. hortulans* (Compositae)  
*Gladiolus* sp., *G. x hortulanus* (Iridaceae)  
*Glycine max* (Leguminosae)  
*Gossypium herbaceum*, *G. hirsutum* (Malvaceae)  
*Haplopappus divaricatus* (Compositae)  
*Helianthus decapetalus* (Compositae)  
*Hibiscus* sp., *H. esculentus*, *H. lasiocarpus*, *H. militaris*, *H. rosa-sinensis*, *H. trionum* (Malvaceae)  
*Hyoscyamus niger*  
*Indigofera hirsuta* (Leguminosae)  
*Ipomoea batatas*, *I. purpurea* (Convolvulaceae)  
*Lactuca sativa* (Compositae)  
*Lathyrus odoratus* (Leguminosae)  
*Lespedeza cuneata* (Leguminosae)  
*Linaria canadensis* (Scrophulariaceae)  
*Linum sulcatum* (Linaceae)  
*Lonicera japonica* (Caprifoliaceae)  
*Lycopersicon esculentum* (Solanaceae)  
*Malus pumila* (Rosaceae)  
*Malva rotundifolia* (Malvaceae)  
*Medicago sativa* (Leguminosae)  
*Melilotus alba*, *M. suaveolens* (Leguminosae)  
*Mentha* sp. (Labiatae)  
*Mucuna deeringiana* (Leguminosae)  
*Nicotiana tabacum* (Solanaceae)  
*Oryza sativa* (Gramineae)  
*Panicum fasciculatum*, *P. oliganthos* var. *scribnerianum* (Gramineae)  
*Papaver* sp. (Papaveraceae)  
*Pelargonium* sp. (Geraniaceae)  
*Pennisetum setaceum* (Gramineae)  
*Persea americana* (Lauraceae)  
*Petunia* sp. (Solanaceae)  
*Phaseolus limensis*, *P. vulgaris* (Leguminosae)  
*Phlox* sp. (Polemoniaceae)  
*Phoenix roebelenii* (Palmae)  
*Physalis* sp., *P. pubescens*, *P. viscosa* (Leguminosae)

*Piper* sp. (Piperaceae)  
*Pisum sativum* (Leguminosae)  
*Polygonum pensylvanicum* (Polygonaceae)  
*Prunus persica* (Rosaceae)  
*Pyrus communis* (Rosaceae)  
*Ravenia rivularis* (Palmae)  
*Reseda* sp., *R. odorata* (Resedaceae)  
*Ricinus communis* (Euphorbiaceae)  
*Rosa* sp., *R. odorata* (Rosaceae)  
*Saccharum officinarum* (Gramineae)  
*Sassafras albidum* (Lauraceae)  
*Secale cereale* (Gramineae)  
*Sesbania* sp. (Leguminosae)  
*Setaria italica* (Gramineae)  
*Sida rhombifolia*, *S. spinosa* (Malvaceae)  
*Solanum melongena* var. *esculentum*, *S. tuberosum* (Solanaceae)  
*Solidago leavenworthii* (Compositae)  
*Sorghum* sp., *S. bicolor* (Gramineae)  
*Spinacia oleracea* (Chenopodiaceae)  
*Spiranthes lanceolata* (Orchidaceae)  
*Stachys affinis* (Labiatae)  
*Trifolium* sp., *T. pratense* (Leguminosae)  
*Triticum aestivum* Linn.  
*Tropaeolum* sp. (Cruciferae)  
*Vicia sativa*, *V. villosa* (Leguminosae)  
*Vigna sinensis* (Leguminosae)  
*Vitis* sp. (Vitaceae)  
*Xanthium* sp., *X. strumarium* (Compositae)  
*Zea mays*, *Z. mays* (Gramineae)  
*Zinnia* sp. (Compositae)

**HELIOTHIS** Ochsenheimer, 1816

- Heliothis* Hübner, [1806], suppr. (ICZN Op. 97 & 278)  
*Heliotis* Lefebvre, 1827, missp.  
*Heliothisa* Meigen, 1832, emend.  
*Heliotis* Sodoffsky, 1837, emend.  
*Chloridea* Duncan & Westwood, 1841  
*Aspila* Guenée, 1842, preocc. (not Stephens, 1834)  
*Timora*. – auct. (not Walker, 1856)  
*Rhodosea* Grote, 1883  
*Disocnemis* Grote, 1883  
*Dysocnemis* Grote, 1883, missp.  
*Canthylidia* Butler, 1886  
*Heliothis* Oliff, 1890, missp.
- 11070 **subflexa** (Guenée, 1852) (McD 2933.1) **55.38**  
*pyraloides* (Walker, [1857])  
Subflexa budworm
- Range. – I-VIII (N.Am.: N.S.- FL/B.C.-CA; West Indies; Mex.-Argentina)  
Dates. – Apr-Oct, Dec  
Hosts. – *Cajanus* sp. (Leguminosae)  
*Physalis* sp. (Solanaceae)  
*Rhexia* sp. (Melastomaceae)  
*Rosa* sp. (Rosaceae)  
*Solanum nigrum*, *S. viarum* (Solanaceae)
- 11071 **virescens** (Fabricius, 1777) (McD 2933) **55.37**  
*rhexiae* (J. E. Smith, 1797)  
*viridescens* (Walker, 1857)  
*prasina* (Walker, 1857)  
*spectanda* Strecker, 1876

Tobacco budworm  
 Range.— I-VIII (e. N.Am.: Ont.-FL/WI-TX; West Indies; Mex.-S. Am.)  
 Dates.— Jan-Dec  
 Hosts.— *Abelmoschus esculentus* (Malvaceae)  
*Ageratum conyzoides* (Compositae)  
*Antirrhinum* sp. (Scrophulariaceae)  
*Aquilegia canadensis* (Ranunculaceae)  
*Arachis hypogaea* (Leguminosae)  
*Arbutus unedo* (Ericaceae)  
*Brassica oleracea* (Cruciferae)  
*Brugmansia arborea* (Solanaceae)  
*Cajanus cajan* (Leguminosae)  
*Calendula* sp. (Compositae)  
*Chrysanthemum* sp. (Compositae)  
*Cicer arietinum* (Leguminosae)  
*Cleome spinosa* (Capparidaceae)  
*Desmodium canescens*, *D. strictum*, *D. tortuosum* (Leguminosae)  
*Dianthus* sp., *D. caryophyllus* (Caryophyllaceae)  
*Geranium* sp., *G. maculatum* (Geraniaceae)  
*Gossypium herbaceum* (Malvaceae)  
*Grevillea banksii* (Proteaceae)  
*Haplopappus divaricatus* (Compositae)  
*Heterotheca subaxillaris* (Compositae)  
*Hibiscus mutabilis*, *H. rosa-sinensis* (Malvaceae)  
*Ipomoea* sp. (Convolvulaceae)  
*Lathyrus odoratus* (Leguminosae)  
*Linaria canadensis* (Scrophulariaceae)  
*Linum sulcatum* (Linaceae)  
*Lycopersicon esculentum* (Solanaceae)  
*Malva* sp. (Malvaceae)  
*Medicago sativa* (Leguminosae)  
*Nicotiana tabacum* (Solanaceae)  
*Pelargonium hortorum*, *P. zonale* (Geraniaceae)  
*Pentas* sp. (Rubiaceae)  
*Physalis angulata*, *P. turbinata*, *P. viscosa* (Solanaceae)  
*Plumbago* sp. (Plumbaginaceae)  
*Pyrrhopappus carolinianus* (Compositae)  
*Rhexia alifanus*, *R. virginica* (Melastomaceae)  
*Rosa* sp. (Rosaceae)  
*Rubus* sp. (Rosaceae)  
*Rumex crispus* (Polygonaceae)  
*Sesamum* sp. (Pedaliaceae)  
*Solanum nigrum*, *S. sisymbriifolium*, *S. tuberosum* (Solanaceae)  
*Stylosanthes humilis* (Leguminosae)  
*Tibouchina gloriosa* (Melastomaceae)  
*Vinca* sp. (Apocynaceae)  
*Wissadula holosericea* (Malvaceae)  
 11072 **phloxiphagus** Grote & Robinson, 1867 (McD 2931)  
*phlogophagus* Grote & Robinson, 1870, emend.  
*interjacens* Grote, 1880  
 Range.— I (e. N.Am.: Ont.-FL/B.C.-CA; Mex.-S. Am.)  
 Dates.— Mar, Jun-Aug  
 Hosts.— *Antirrhinum* sp. (Scrophulariaceae)  
*Aster* sp. (Compositae)  
*Fragaria chiloensis* (Rosaceae)  
*Grindelia camporum*, *G. squarrosa* (Compositae)  
*Hemizonia congesta* (Compositae)  
*Lactuca sativa* (Compositae)  
*Lathyrus odoratus* (Leguminosae)  
*Lycopersicon esculentum* (Solanaceae)

*Medicago sativa* (Leguminosae)  
*Parthenium argentatum* (Compositae)  
*Phlox* sp. (Polemoniaceae)  
*Schizanthus* sp. (Solanaceae)

**HELIOCHEILUS** Grote, 1865  
 11073 **turbatus** (Walker, 1858) (McD 2928) **50.43**  
*albidentina* (Walker, 1865)  
*lupatus* Grote, 1875  
 Range.— I-IV (Gulf Coast: FL-TX; Mex.)  
 Dates.— Aug-Sep  
 Hosts.— Unknown  
 11074 **paradoxus** Grote, 1865 (McD 2929) **55.35**  
*hyperfusca* (Strand, 1916)  
 Range.— I-VI (e. N.Am.: Ont.-FL/MN-OR-CA; Mex.)  
 Dates.— Feb-May, Sep-Oct  
 Hosts.— *Bothriochloa barbinodis* (Gramineae)  
*Triodea fusca* (Gramineae)

**SCHINIA** Hübner, 1818  
*Euclidia* Hübner, 1808, suppr. (ICZN Op. 789)  
*Melicleptria* Hübner, [1823]  
*Anthoecia* Boisduval, 1840  
*Alaria* Duncan & Westwood, 1841  
*Trypana* Guenée, 1841  
*Oria* Guenée, 1852, preocc. (not Hübner, [1821])  
*Rhodophora* Guenée, 1852  
*Tamila* Guenée, 1852  
*Euleucyptera* Grote, 1865  
*Lygranthoecia* Grote & Robinson, 1873  
*Tricopis* Grote, 1874  
*Oxylos* Grote, 1875  
*Heliophana* Grote, 1875  
*Adonisea* Grote, 1875  
*Pippona* Harvey, 1875  
*Rhododipsa* Grote, 1877  
*Porrina* Grote, 1877  
*Bessula* Grote, 1881  
*Dasypoudaea* J. B. Smith, 1883  
*Pseudotamila* J. B. Smith, 1883  
*Trileuca* Grote, 1883  
*Eupanychis* Grote, 1890  
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*Trichosellus* Grote, 1890  
*Incita* Grote, 1895  
*Palada* J. B. Smith 1900  
*Chlorocleptria* Hampson, 1903  
*Trilenca* Neave, 1940, missp.  
*Shinia* Lombardini, 2001, missp.

\*11098 **scissa** (Grote, 1876) (McD 2902)  
 Range.— I-IV (Florida)  
 Dates.— Mar-Apr, Oct  
 Hosts.— (Compositae)  
 11099 **scissoides** (Benjamin, 1936) (McD 2926) **50.44**  
 Range.— I-III (se. U.S.: SC-FL/LA-TX)  
 Dates.— Sep-Nov  
 Hosts.— (Compositae)  
 11104 **spinosa** (Guenée, 1852) (McD 2925) **55.34**  
*hirtella* (Grote & Robinson, 1866)  
*camina* (J. B. Smith, 1906)  
*subspinosa* Hardwick, 1996, **n.syn.**

- Range.- I-IV (e. U.S.: NH-FL/IL-TX)  
 Dates.- Sep-Nov  
 Hosts.- (Compositae)  
 11105 **bina** (Guenée, 1852) (McD 2896/3035/3036) **50.50**  
*meskeana* (Grote, 1875) **54.1, 11**  
*fastidiosa* (Strecker, 1876)  
*rufimedia* (Grote, 1880)  
*mesceana* (Hampson, 1903), missp.
- Range.- I-IV (e.N.Am.: NC-FL/Sask.-NM)  
 Dates.- Mar-Apr, Sep-Nov  
 Hosts.- *Gaillardia pulchella* (Compositae)  
*Verbesina encelioides* (Compositae)  
 \*11107 **fulleri** (McElvare, 1961) (McD 2948.1) **50.46**  
 Range.- III-IV (Florida)  
 Dates.- Sep-Nov  
 Hosts.- *Balduina angustifolia* (Compositae)  
 11110 **septentrionalis** (Walker, 1858) (McD 3038/3030) **55.45**  
*brevis* (Grote, 1864)  
 var. *atriles* (Grote, 1875)
- Range.- I-III (e. N.Am.: Que.-FL/WI-NM)  
 Dates.- Sep-Oct  
 Hosts.- *Aster novaeangliae*, *A. spectabilis* (Compositae)  
 11112 **sordida** J. B. Smith, 1883 (McD 3024/3029/3031/3033) **54.7, 10**  
*approximata* Strecker, 1898 **55.46**  
*ar* Strecker, 1898  
*labe* Strecker, 1898
- Range.- I-IV (se. U.S.: NC-FL/KS-TX)  
 Dates.- Sep-Oct  
 Hosts.- *Pityopsis pinifolia* (Compositae)  
 11113 **petulans** (H. Edwards, 1885) (McD 3032) **54.8-9**  
 Range.- I-III (Gulf Coast: [GA]/FL-TX)  
 Dates.- Sep-Oct  
 Hosts.- *Chrysopsis subulata* (Compositae)  
 11115 **siren** (Strecker, 1876) (McD 3027/3037) **50.48**  
*inclara* (Strecker, 1876)
- Range.- I-III (s. U.S.: MD-FL/MO-TX)  
 Dates.- Sep-Oct  
 Hosts.- *Heterotheca subaxillaris* (Compositae)  
 ?*Verbesina encelioides* (Compositae)  
 11116 **tuberculum** (Hübner, [1827-31]) (McD 3038) **50.49**  
*dorsilutea* (Walker, 1857) **54.12**
- Range.- I-VI (e. U.S.: NY-FL/OK-TX)  
 Dates.- May, Aug-Oct  
 Hosts.- *Pityopsis graminifolia* (Compositae)  
 11116.1 **rufipenna** Hardwick, 1983 (McD 3038.1)  
 Range.- I-IV (se. U.S.: GA-FL/LA)  
 Dates.- Sep-Nov  
 Hosts.- *Pityopsis graminifolia* (Compositae)  
 11117 **lynx** (Guenée, 1852) (McD 3016)  
 Range.- I-VI (e. N.Am.: Que.-FL/MN-TX)  
 Dates.- Apr, Aug-Nov  
 Hosts.- *Erigeron* sp. (Compositae)  
*Heterotheca subaxillaris* (Compositae)  
 11118 **obscurata** Strecker, 1898 (McD 3017/3034) **54.5**  
*tanena* Strecker, 1898
- Range.- I-II (e. N.Am.: Ont.-FL/IL-TX)  
 Dates.- May, Sep  
 Hosts.- *Erigeron philadelphicus* (Compositae)  
 11120 **parmeliana** (H. Edwards, 1882) (McD 3020) **54.6**  
 Range.- I (se. U.S.: MD-FL/MO-TX)  
 Dates.- Aug-Oct  
 Hosts.- (Compositae)  
 11128 **arcigera** (Guenée, 1852) (McD 3018/3040) **55.44**  
*arcifera* (Guenée, 1852), emend.
- spraguei* (Grote, 1864)  
*limbalis* (Grote, 1875)  
*ferricasta* J. B. Smith, 1906  
*ferricosta* McDunnough, 1938, missp.
- Range.- I-III (e. N.Am.: N.S.-FL/Sask.-NM; Mex.)  
 Dates.- Sep-Oct  
 Hosts.- *Aster* sp., *A. erioides*, *A. laevis*, *A. multiflorus*, *A. puniceus* (Compositae)  
*Machaeranthera tenuis* (Compositae)  
 11132 **jaguarina** (Guenée, 1852) (McD 3014) **54.3-4**  
*demaculata* Strand, 1916  
 Range.- I-III (U.S.: NJ-FL/OR-CA; Mex.)  
 Dates.- Mar-Jun  
 Hosts.- *Psoralea* sp., *P. tenuiflora*, *P. rhombifolia* (Leguminosae)  
 11135 **rivulosa** (Guenée, 1852) (McD 3007) **55.43**  
*marginata* (Haworth, [1809]), preocc. (not Fabricius, 1798)  
*contracta* (Walker, 1858)  
*designata* (Walker, 1858)  
 f. *constricta* (H. Edwards, 1882)
- Range.- I-IV (e. N.Am.: Que.-FL/NE-AZ)  
 Dates.- Jun-Oct  
 Hosts.- *Ambrosia* sp., *A. artemisiifolia*, *A. psilostachya* (Compositae)  
 11137 **nubila** (Strecker, 1876) (McD 3009/3010/3011) **54.2**  
*dolosa* Strecker, 1898  
*lora* Strecker, 1898
- Range.- I-IV (se. U.S.: SC-FL/OK-TX)  
 Dates.- Aug-Oct  
 Hosts.- *Heterotheca subaxillaris* (Compositae)  
 11140 **saturata** (Grote, 1874) (McD 3005) **55.42**  
*rubiginosa* (Strecker, 1874)
- Range.- I-III (e. U.S.: MA-FL/SD-AZ)  
 Dates.- Jul-Nov  
 Hosts.- *Heterotheca subaxillaris* (Compositae)  
*Pityopsis graminifolia* (Compositae)  
 11141 **thoreau** (Grote & Robinson, 1870) (McD 3006)  
 Range.- I-III (e. N.Am.: Ont.-FL/Man.-TX)  
 Dates.- Apr, Aug  
 Hosts.- *Ambrosia* sp., *A. artemisiifolia*, *A. trifida* (Compositae)  
 11147 **gracilentia** Hübner, 1818 (McD 2963/2965/3012) **55.39**  
*gracilis* (Hübner, 1808), suppr. (ICZN Op. 789)  
*bifascia* Hübner, 1818 (McD 2965/3012)  
*divergens* (Walker, 1858)  
*imperspicua* (Strecker, 1876)  
*digitalis* J. B. Smith, 1891
- Range.- I (e. U.S.: NY-FL/NE-AZ)  
 Dates.- Sep-Oct  
 Hosts.- *Eupatorium purpureum* (Compositae)  
*Iva annua* (Compositae)  
*Kuhnia eupatorioides* (Compositae)  
 11149 **trifascia** Hübner, 1818 (McD 2966) **55.40**  
*lineata* (Walker, 1858)
- Range.- I-VII (e. N.Am.: Ont.-FL/MN-AZ)  
 Dates.- Feb, Jun, Aug-Dec  
 Hosts.- *Eupatorium* sp., *E. altissimum*, *E. compositifolium*, *E. fistulosum*, *E. perfoliatum*, *E. serotinum*, *E. sessilifolium* (Compositae)  
 11164 **florida** (Guenée, 1852) (McD 2941)  
 Range.- I (e. N.Am.: N.S.-FL/Alb.-CA)  
 Dates.- Jun, Sep

Hosts.- *Oenothera biennis*, *O. biennis* var. *grandiflora*, *O. hookeri*, *O. nuttalli*, *O. parviflora* (Onagraceae)

11168 **gaurae** (J. E. Smith, 1797) (McD 2940) **50.45**  
*matutina* (Hübner, [1827-31])

Clouded crimson

Range.- I-VI (e. U.S.: KY-FL/Man.-AZ; Mex.)

Dates.- Mar-Sep

Hosts.- *Gaura angustifolia*, *G. biennis*, *G. sinuata* (Onagraceae)

11169 **mitis** (Grote, 1873) (McD 2897) **50.41**  
*obliquata* (J. B. Smith, 1891)

Range.- I-III (se. U.S.: SC-FL/OK-TX)

Dates.- Mar-Jun

Hosts.- *Pyrhopappus carolinianus*, *P. geiseri*, *P. grandiflorus*, *P. multicaulis* (Compositae)  
*?Taraxacum officinale* (Compositae)

11173 **sanguinea** (Geyer, 1832) (McD 3001/3003/3004)  
*gloriosa* (Strecker, 1878) **50.47**  
*terrifica* Barnes & McDunnough, 1918

Range.- I-VII (e. U.S.: NC-FL/NE-TX)

Dates.- Sep-Nov

Hosts.- *Liatris* sp., *L. cylindracea*, *L. spicata* (Compositae)

\*11173.1 **carmosina** Neumoegen, 1884 (McD 3004, part)  
*carminosa* Franclemont & Todd, 1983, missp.

Range.- II-VI (Florida)

Dates.- Sep-Nov

Hosts.- *Carphephorus corymbosus* (Compositae)  
*Garberia fruticosa* (Compositae)

11174 **lucens** (Morrison, 1875) (McD 2938)  
*luxuriosa* (Grote, 1882)

Range.- I-III (U.S.: Ont.-WA/?FL-TX-AZ)

Dates.- Apr-May (stray)

Hosts.- *?Amorpha canescens* (Leguminosae)

11177 **nundina** (Drury, 1773) (McD 2990) **55.41**  
*nigrirana* (Haworth, [1809])

Range.- I-III (e. N.Am.: N.S.-FL/MN-TX)

Dates.- Feb, Aug-Nov

Hosts.- *Aster* sp. (Compositae)  
*Solidago* sp., *S. altissima*, *S. canadensis*, *S. stricta* (Compositae)

\*11178 **arefacta** (H. Edwards, 1885) (McD 2991) **50.51**

Range.- II-III (Florida)

Dates.- Sep-Oct

Hosts.- *Chrysopsis subulata* (Compositae)

11183 **diffusa** J. B. Smith, 1891 (McD 2981/2988)  
*neglecta* Strecker, 1898

Range.- I-IV (se. U.S.: GA?-FL/CO-TX)

Dates.- Oct

Hosts.- *Machaeranthera annua* (Compositae)

11202 **carolinensis** (Barnes & McDunnough, 1911) (McD 2954) **50.42**

Range.- I-III (se. U.S.: NC-FL/AL?-MS?)

Dates.- Sep

Hosts.- (Compositae)

**MELAPORPHYRIA** Grote, 1874

11212 **immortua** Grote, 1874 (McD 2916) **55.33**

Range.- I-III (N.Am.: NH-?FL/Sask.-CO)

Dates.- Jun

Hosts.- Unknown

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The references cited in this bibliography include papers and books that pertain to Florida Lepidoptera and the natural history of Florida. As many references on Florida Lepidoptera as possible have been included, but not all original descriptions are listed. The *Florida Entomologist* was searched for all Lepidoptera-related papers, with many added herein that Kimball (1965) had not included; likewise for *Bulletins* of the Florida Agricultural Experiment Station, since 1888.

Users may prefer a single bibliography, but since so many general references on the natural history of Florida and various historical works are included, it was thought easier to use if these more general references were placed in a separate section. The older historical references pertain to the first reports of the nature of Florida, particularly in the 16th and 17th centuries: the notations pertaining to Florida natural history, or even insects, usually are only a few words in most cases, but their being the first such records, it seems of some interest to reference them. All the taxonomic papers will be found in the section on taxonomic references (p. 499).

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# HOSTPLANT INDEX

This index includes names of hostplants and other hosts that have been recorded for the species of Lepidoptera known to occur in Florida. The records noted by Kimball (1965) have been corrected and added to with additional records from the files of the Florida State Collection of Arthropods (Bureau of Entomology, Division of Plant Industry, Florida Department of Agriculture and Consumer Services), as well as some new records recorded by the authors or those of colleagues. Additional literature records checked include those noted in Covell, Jr. (1984), Scott (1986), Tietz (1972), and smaller papers. All records have been carefully checked and those thought to represent only resting sites or nectaring records have been excluded from this list to the extent possible.

Records are included for each Lepidoptera species covering all known hostplants, whether or not the natural range of the plants includes Florida; this has been done since so many ornamental plants are brought into Florida for nursery stock, or for ornamental plantings, even though Florida may be out of the natural range of certain plants, particularly a number of tropical plants that are grown in southern Florida. Minor feeding records have been excluded as much as possible and only host records are included where larval development went through to viable pupation and adults. Remaining questionable hostplant records have a question mark (?) after the appropriate species number.

The plant names are listed alphabetically, beginning with the genus and then followed by species within that genus. Valid names are in boldface type. The plant family of each plant is noted only after the first entry for any one genus. Common names are listed alphabetically with the scientific names, and the current scientific name is then noted in brackets after the common name. Double common names (e.g., rain lily) are usually not indexed under the first part of the double name but as subentries under the more general base name (thus, under "lily, rain" in the example given). Common names are also noted after each scientific name when available. Certain synonyms are listed if prevalent in the literature, with the current scientific name noted in brackets.

Numbers listed after each entry refer to the MONA catalog species number of the associated Lepidoptera, as is followed in the text of this book (not page numbers). The numbers listed for each host can be referred to directly in the text, or the plant name can be referred to under the appropriate plant family in the section on hostplant associations, where associated Lepidoptera names are listed under each plant name (see Part 2 [in prep.]). Authors of plant names can also be found in Part 2.

**Abelia** sp. (Caprifoliaceae) [abelia], 7853

**Abelmoschus** sp. (Malvaceae), 4439

**Abelmoschus esculentus** [okra], 3274, 4336, 4949, 8545, 8546a, 8890, 9666, 9669, 9672, 11068, 11071

**Abies** sp. (Pinaceae) [fir], 2745, 3638, 3672, 5841, 6582, 6654, 6888, 6908, 8316, 8351, 9678, 10915

**Abies amabilis** [Cascade fir], 3602, 3638, 6352

**Abies balsamea** [balsam fir], 3602, 3635, 3638, 3643, 3695, 3748, 6352, 6583, 6598, 6620, 6621a, 6863, 6888, 6894a, 7048, 7746, 8318, 8397, 9505, 10915, 10967

**Abies fraseri** [Fraser fir], 8307

**Abies grandis** [giant fir], 3638, 7704, 10915

**Abies lasiocarpa** [alpine fir], 3638, 6352, 6598, 6863

**Abrus** sp. (Leguminosae) [rosary pea], 4359a

**Abutilon** sp. (Malvaceae), 3966, 3968, 4439, 4826, 11068

**Abutilon permolle**, 4345

**Abutilon pictum** [flowering maple], 8545

**Abutilon theophrasti** [Indian mallow], 3966, 8545

acacia [see *Acacia* sp.] (Leguminosae)

sweet [see *Acacia farnesiana*]

**Acacia** sp. (Leguminosae) [acacia], 442, 3493.1, 3564, 3870, 4229, 4293, 5725, 7140, 8607, 8659

**Acacia angutissima** var. **hirta**, 4359

**Acacia arabica**, 3564

**Acacia auriculiformis**, 4647, 7706, 9670

**Acacia decurrens**, 8649

**Acacia farnesiana** [sweet acacia; opopanax], 454, 1638, 2272, 3493.1, 3564, 3745, 4358.1, 5723, 5724, 6332.1

**Acacia flexicaulis**, 8667

**Acacia greggii** [catclaw], 454

**Acacia horrida** [Cape gum], 4647

**Acacia koa** [koa], 304, 6332.1

**Acacia koaia**, 304

**Acacia pincorum**, 5723

**Acacia riparia**, 7132

**Acalypha** sp. (Euphorbiaceae), 9666

**Acalypha wilkesiana** [copperleaf], 4700, 6967a, 8131

**Acer** sp. (Aceraceae) [maple], 454, 957, 1014, 2281, 2554, 2694, 2703, 3230, 3235, 3648, 3251, 3539, 3625, 3635, 3637, 3725, 4176, 4249 (aphids), 4432, 4647, 4665, 4681, 4697, 4699, 4700, 5745, 6258, 6273, 6326, 6583, 6590, 6597, 6621, 6658, 6660, 6667, 6724, 6796, 6797, 6798, 6838, 6843, 6888, 6964, 6966, 6982a, 7009, 7440, 7647, 7663, 7670, 7686, 7698, 7701, 7704, 7715, 7746, 7757, 7764, 7767, 7896a, 7902, 7915, 7951, 7975, 7985, 7990, 7994, 8005, 8007, 8010, 8012, 8140, 8316, 8318, 8442, 8502, 8689, 8692, 8727, 9189, 9200, 9251, 9257, 9638, 9957, 10019, 10518, 10731, 10915, 10942.1, 10950

**Acer barbatum** [southern sugar maple], 2703, 4647

**Acer circinatum** [vine maple], 6888

**Acer macrophyllum** [bigleaf maple], 7915, 8012

**Acer negundo** [box elder], 454, 457, 3230, 3635, 3654, 3691, 3725, 4282b, 6258, 6326, 6660, 7698, 7704, 7715, 7767, 8140, 8203, 8316, 8318, 9638, 9910, 10495, 10805

**Acer pensylvanicum** [Pennsylvania maple], 6660, 7757, 8318

**Acer platanoides** [Norway maple], 457, 6273, 8316, 8318

**Acer pseudoplatanus** [sycamore maple], 457, 7704, 8203, 9200

**Acer rubrum** [red maple], 457, 1178, 2479, 2546, 2554, 2703, 2907, 3235, 3539, 3606, 3633, 3635, 3725, 4647, 6326, 6620, 6660, 6743, 6798, 7704, 7715, 7746, 7757, 7767, 7994, 8005, 8010, 8140, 8203, 8316, 8318, 8442, 8727, 9200, 9251

**Acer saccharinum** [silver maple], 457, 2281, 2554, 2703, 3235, 3725, 6258, 6326, 6660, 6888, 7704, 7715, 7757, 7767, 8140, 8203, 8316, 8318, 8727, 9200, 9272, 9887, 9910, 9957, 10495

**Acer saccharum** [sugar maple], 457, 3235, 3539, 3635, 3725, 6658, 6720, 7009, 7048, 7698, 7701, 7704, 7994,

- 8129, 8137, 8140, 8316, 8318, 8397, 9251, 9910, 10915  
**Acer spicatum** [mountain maple], 3539, 3623, 4363, 7767, 7994, 8318  
**Acerates** sp. (Asclepiadaceae), 4614  
**Achillea millefolium** (Compositae) [yarrow], 442, 7071  
*Achras sapota* [see *Manilkara zapota*] (Sapotaceae)  
 achyranthes [see *Alternanthera indica*] (Amaranthaceae)  
**Acoelorrhaphe wrightii** (Palmae) [Everglades palm], 1422, 4079, 7746  
**Acokanthera oblongifolia** (Apocynaceae) [wintersweet], 8284a  
 acorns [see *Quercus* sp.] (Fagaceae)  
*Actinomeris* [see *Verbesina* sp.] (Compositae)  
 Adam's needle [see *Yucca filamentosa*] (Agavaceae)  
 adder's tongue [see *Erythronium* sp.] (Liliaceae)  
**Adenostoma fasciculatum** (Rosaceae), 4363  
**Adenium multiflora** (Apocynaceae), 8146  
**Adenium obesum** [desert rose], 8284a  
**Adiantum** sp. (Adiantaceae), 9630  
**Adiantum pedatum** [maidenhair fern], 9630  
**Aechmea** sp. (Bromeliaceae), 8146  
**Aechmea fasciata** [urn plant], 432.1  
**Aechmea fasciata 'variegata'**, 432.1  
**Aegle marmelos** (Rutaceae) [bael tree], 854.1  
**Aerides** sp. (Orchidaceae), 9670  
**Aeschynomene** sp. (Leguminosae), 8574  
**Aeschynomene americana**, 4229, 4242, 4243, 8574, 8658  
**Aeschynomene viscidula** [sensitive joint vetch], 4243  
**Aesculus** sp. (Hippocastanaceae) [buckeye; horse chestnut], 454, 2255?, 3230, 3238, 3635, 3648, 3662  
**Aesculus californica** [California buckeye], 3648, 4363  
**Aesculus glabra** [Ohio buckeye], 5724, 8140, 8316  
**Aesculus hippocastanum** [European horse chestnut], 457, 6798, 7009, 7704, 8140, 8316, 9200, 9248, 10495  
**Aesculus octandra** [yellow buckeye], 8140, 8316  
**Aesculus pavia** [Texas buckeye], 4647  
 African daisy [see *Gerbera jamesonii*] (Compositae)  
 African iris [see *Diets vegeta*] (Iridaceae)  
 African milk tree [see *Euphorbia trigona*] (Euphorbiaceae)  
 African violet [see *Saintpaulia* sp.] (Gesneriaceae)  
*Afzelia macrophylla* [see *Dasistoma macrophylla*] (Leguminosae)  
**Agalinis fasciculata** (Scrophulariaceae), 4442a  
**Agalinis purpurea**, 4440  
**Agaricus bisporus** (Agaricaceae) [mushroom], 8137  
 agarita [see *Berberis trifoliata*] (Berberidaceae)  
**Agastache nepetoides** (Labiatae), 4363, 4363.1  
**Ageratum** sp. (Compositae) [flossflower], 8227, 9672  
**Ageratum conyzoides**, 7140, 8887, 11068, 11071  
**Aglaomorpha** sp. (Polypodiaceae), 9630  
**Aglaonema** sp. (Araceae), 8146  
**Aglaonema commutatum**, 8146  
**Agrimonia** sp. (Rosaceae) [agrimony], 2230  
 agrimony [see *Agrimonia* sp.] (Rosaceae)  
**Agropyron repens** (Gramineae) [witchgrass], 4041, 8129, 10438, 10444  
**Agropyron smithii** [western witchgrass], 10731  
**Agrostis** sp. (Gramineae) [bent grass], 4013, 4105, 10438, 10731  
**Agrostis hiemalis**, 9666, 10304  
**Ailanthus** sp. (Simaroubaceae), 2401  
**Ailanthus altissima** [tree-of-heaven], 8140, 8316  
 akee [see *Blighia sapida*] (Sapindaceae)  
**Albizia** sp. (Leguminosae) [mimosa], 4229, 4356a  
**Albizia julibrissin** [silk tree], 432.1, 2353, 4650  
**Albizia lebbek** [lebbek tree], 4271, 5726  
**Alcea rosea** (Malvaceae) [hollyhock], 3966, 4421, 4434, 4435, 8137, 8140, 8545, 8887, 8924, 9666, 9672, 10915  
**Alceodaphne semecarpifolia** (Lauraceae), 854.1  
 alder [see *Alnus* sp.] (Betulaceae)  
 hazel [see *Alnus rugosa*]  
 red [*Alnus oregona*]  
 seaside [see *Alnus maritima*]  
 yellow [see *Turnera ulmifolia*] (Turneraceae)  
**Aleurites fordii** (Euphorbiaceae) [tung oil tree], 441, 8131, 8146, 9669  
 alexander, golden [see *Zizia aurea*] (Umbelliferae)  
 alfalfa [see *Medicago sativa*] (Leguminosae)  
 algae, 4770, 4774, 4778, 4785, 4786, 4787, 8098  
 algarrobo [see *Prosopis juliflora*] (Leguminosae)  
**Allamanda** sp. (Apocynaceae) [allamanda], 7832, 7836  
 alligator weed [see *Alternanthera philoxeroides*] (Amaranthaceae)  
**Allium** sp. (Liliaceae) [onion], 5896, 9666, 9670, 9672, 9673, 10664  
**Allium cepa** [onion], 8131, 8137, 9665, 9669, 10438, 10648, 10661, 10663, 10731, 10805, 10915, 10942.1  
**Allium cernuum** [wild onion], 9669  
**Allium sativum** [garlic], 8146, 8890, 9672  
**Alloissadula** sp. (Malvaceae), 4826  
 almond [see *Prunus dulcis*] (Rosaceae)  
 tropical [see *Terminalia catappa*] (Combretaceae)  
 almonds (dried), 6022  
**Alnus** sp. (Betulaceae) [alder], 2807, 3540, 3597, 3625, 3635, 3637, 3720, 3725, 3748, 4176, 4249 (aphids), 4432, 4644, 4644, 4956, 5679, 5690, 6570, 6597, 6621b, 6652b, 6654, 6796, 6797, 6807, 6838, 6888, 6973, 7048, 7239a, 7428, 7663, 7698, 7704, 7757, 7915, 8007, 8140, 8316, 8448, 8455, 8969, 9200, 9203, 9257, 9264, 9520, 9545, 11063  
**Alnus incana**, 6326  
**Alnus maritima** [seaside alder], 8140  
**Alnus oregona** [red alder], 3748, 7698, 8012, 9212, 9257, 10495, 10915  
**Alnus rugosa** [hazel alder], 457, 3637, 3720, 3748, 4176, 5679, 5690, 6798, 6807, 7663, 7704, 7767, 8318, 8455, 9272  
*Alnus serrulata* [see *Alnus rugosa*]  
**Alocasia** sp. (Araceae) [elephant's-ear plant], 9670  
 aloe [see *Aloe* sp.] (Liliaceae)  
 Barbados [see *Aloe barbadensis*]  
**Aloe** sp. (Liliaceae) [aloe], 8146  
**Aloe barbadensis** [Barbados aloe], 432.1, 9666  
*Aloe vera* [see *Aloe barbadensis*]  
**Alopecurus** sp. (Gramineae) [foxtail], 4949  
**Alseodaphne semecarpifolia** (Lauraceae), 854.1  
**Alternanthera** sp. (Amaranthaceae), 3932, 5169, 5908.1, 9669  
**Alternanthera ficoidea 'Amoena'** [parrotleaf], 5169  
**Alternanthera ficoidea 'Bettzickiana'** [calico plant], 5272  
**Alternanthera flavescens**, 5908.1  
**Alternanthera indica** [achyranthes], 5272  
**Alternanthera pungens**, 5159  
**Alternanthera philoxeroides** [alligator weed], 5169, 5272, 5908.1, 9669  
**Alternanthera ramosissima**, 5911  
**Althaea** sp. (Malvaceae), 454, 3966, 3968, 4435, 4826, 4949, 8554  
**Althaea officinalis** [marsh mallow], 3966, 4435  
 aluminum plant [see *Pilea cadieri*] (Urticaceae)

- Alvaradoa amorphoides** (Leguminosae), 4240a  
 alyssum, sweet [see *Lobularia maritima*] (Cruciferae)  
**Alyssum** sp. (Cruciferae) [madwort], 4846  
 amaranth [see *Amaranthus* sp.] (Amaranthaceae)  
 thorny [see *Amaranthus spinosus*]  
**Amaranthus** sp. (Amaranthaceae) [amaranth], 4755?, 4949,  
 4980, 5169, 5170, 5268, 5272, 6104, 7417, 7894, 8137,  
 9666, 9671, 9673, 9673.1, 10438, 10664, 11068  
**Amaranthus albus**, 3977  
**Amaranthus caudatus** [tassel flower], 3977  
**Amaranthus gracilis**, 5169  
**Amaranthus graecizans**, 3977  
**Amaranthus hybridus**, 1678, 3977, 5169, 5170, 5272, 6590,  
 9669, 9672  
**Amaranthus retroflexus** [redroot], 3977, 4967, 5170, 5272,  
 9665, 9669, 9672  
**Amaranthus spinosus** [thorny amaranth], 3977, 5169,  
 5170, 5272, 8131, 9672, 9665  
**Amaranthus tricolor** [tampala], 6616  
 amaryllis [see *Hippeastrum* sp.] (Amaryllidaceae)  
**Amaryllis** sp. (Amaryllidaceae), 10640  
**Amaryllis belladonna**, 10640  
**Ambrosia** sp. (Compositae) [ragweed], 160, 2265, 2301,  
 2614, 3202, 4947, 6001, 6142.2, 6160, 7058, 7071,  
 8137, 8393, 9095, 9720, 11135  
**Ambrosia artemisiifolia** [common ragweed], 160, 2265,  
 2298, 2614, 3172, 3172.1, 4420, 4421, 4437a, 6160,  
 6186, 8131, 9090, 9095, 10915, 11135, 11141  
**Ambrosia confertiflora**, 2265  
**Ambrosia dumosa**, 7059  
**Ambrosia psilostachya**, 2265, 11135  
**Ambrosia trifida** [great ragweed], 160, 457, 2093, 2701?,  
 2723, 2829, 4420, 4421, 4437a, 4962, 7169, 8137, 8140,  
 8465, 9720, 9754, 10438  
*Ambulia* sp. [see *Limnophila* sp.] (Scrophulariaceae)  
**Amelanchier** sp. (Rosaceae), 2863, 4522a, 4523a  
**Amelanchier alnifolia**, 7698, 7824, 8203, 9669  
**Amelanchier arborea** [serviceberry], 457, 2550, 2583,  
 3637, 3722, 4176, 4285b, 4363, 6798, 7767  
*Amelanchier arbutifolia* [see *Aronia arbutifolia*]  
**Amelanchier canadensis**, 2550, 4176, 4285b, 6660, 7474,  
 7701, 7757, 8140, 8203, 8316, 9200, 9662  
**Amelanchier florida**, 6838, 7915, 8005, 8007, 8012, 8318,  
 8397, 10495, 10915  
*Amelanchier melanocarpa* [see *Aronia melanocarpa*]  
 American frog's-bit [see *Limnobia* sp.] (Hydrocharitaceae)  
**Amorpha** sp. (Leguminosae) [false indigo], 3398, 3910,  
 4336, 5794, 8844  
**Amorpha californica**, 3910, 4224  
**Amorpha canescens** [lead plant], 4224, 8843, 8844, 11174?  
**Amorpha fruticosa** [indigo bush], 889, 3648, 3745, 3870,  
 3904, 4224, 7746, 7957, 8772, 8844  
**Amorpha herbacea**, 5793a  
**Ampelopsis** sp. (Vitaceae), 1706, 4624, 4629, 7851, 7859,  
 7859.1, 7861, 7866, 7870, 7871, 7873, 7885  
**Ampelopsis arborea** [pepper vine], 4624  
**Ampelothamnus phillyreifolius** (Ericaceae), 8718  
**Amphicarpaea** sp. (Leguminosae) [hog peanut], 2627, 4237,  
 4363  
**Amphicarpaea bracteata**, 3870, 3886, 3902, 4331b, 4336  
**Amphicarpaea comosa**, 4331b  
**Amsinckia** sp. (Boraginaceae), 4435  
**Amsinckia douglasiana**, 4335  
**Amyris elemifera** (Rutaceae) [torchwood], 898, 2402, 4170,  
 4171a, 4172a  
**Anacardium** sp. (Anacardiaceae), 7818  
**Anacardium occidentale** (Anacardiaceae) [cashew], 4550  
**Ananas comosus** (Bromeliaceae) [pineapple], 304, 3745,  
 6018.1  
**Anaphalis** sp. (Compositae) [everlasting], 2647, 6205, 9076  
**Anaphalis margaritacea** [pearly everlasting], 2647, 4434,  
 4435  
**Anchusa officinalis** (Compositae), 4435  
**Andira inermis** (Leguminosae) [cabbage anelintree], 5711.1  
**Andromeda** sp. (Ericaceae) [bog rosemary], 2752, 7826,  
 7905, 7911, 8849  
**Andropogon** sp. (Gramineae) [bluestem grass], 3995, 3998,  
 4051, 4084b, 4587  
**Andropogon gerardii** [big bluestem grass], 4050, 4051,  
 4052, 4084a  
*Andropogon scoparius* [see *Schizachyrium scoparium*]  
 (Gramineae)  
**Andropogon virginicus** [broom sedge], 9666, 10368  
**Anethum graveolens** (Umbelliferae) [dill], 4159a, 4170  
**Angelica** sp. (Umbelliferae), 4159a, 9472  
**Angelica venenosa**, 4159a  
**Angelica atropurpurea** [masterwort], 4159a  
 angelintree, cabbage [see *Andira inermis*] (Leguminosae)  
 anise [see *Pimpinella anisum*] (Umbelliferae)  
 sweet [see *Illicium parviflorum*] (Illiciaceae)  
 aniseroot [see *Osmorhiza longistylis*] (Umbelliferae)  
*Anisostichus* sp. [see *Bignonia* sp.] (Bignoniaceae)  
*Anisostichus capreolatus* [see *Bignonia capreolata*]  
**Annona** sp. (Annonaceae) [custard apple], 7773, 9672  
**Annona cherimola** [cherimoya], 8541  
**Annona diversifolia** [ilama], 3606, 8540  
**Annona glabra** [pond apple], 454, 457, 2865, 3606, 7772a,  
 7847, 8270, 8541  
**Annona muricata** [soursop], 5625, 5722  
**Annona reticulata** [custard apple], 457, 8541  
**Annona squamosa** [sugar apple], 3606, 5722, 7772, 8541,  
 9670  
**Antennaria** sp. (Compositae) [everlasting], 2647, 4434  
**Antennaria neodioica**, 4434  
**Antennaria plantaginifolia**, 4434  
**Antennaria parvifolia**, 4434  
**Anthemis** sp. (Compositae) [chamomile], 5935, 8131, 9665  
**Anthemis cotula** [mayweed], 457, 7414, 8554, 10915  
**Anthurium** sp. (Araceae) [tailflower], 9670, 9672  
**Anthurium andraeanum** [flamingo lily], 4700  
**Anthurium hookeri**, 9670  
**Antigonon leptopus** (Polygonaceae) [Mexican creeper],  
 4158a, 4700  
**Antirrhinum** sp. (Scrophulariaceae) [snapdragon], 2738,  
 4434, 4440, 8887, 9672, 10154, 11065, 11068, 11071,  
 11072  
**Antirrhinum majus**, 4440, 11068  
 aphids (Homoptera: Aphididae), 4249  
*Fagiphagus* sp., 4249  
*Meliarhisophagus*, 4249  
*Neoprociphilus* sp., 4249  
*Pemphigus* sp., 4249  
*Prociphilus* sp., 4249  
*Schizoneura* sp., 4249  
**Aphelandra** sp. (Acanthaceae), 8887  
**Apios americana** (Leguminosae) [groundnut], 2627, 3870,  
 3909, 4363  
**Apium** sp. (Umbelliferae) [celery], 4115?, 4949, 5079,  
 5156, 8131, 9699  
**Apium graveolens**, 8887, 8924, 9665, 9672, 10663, 10670,



- 10676, 10731, 10805, 10942.1, 11068  
**Apium graveolens** var. **dulce** [celery], 3627, 3631, 3635, 3745, 4159a, 8137, 8887, 8890, 9669  
**Apium prostratum**, 4159a, 10438  
**Apocynum** sp. (Apocynaceae) [dogbane], 7855  
**Apocynum androsaemifolium** [common dogbane], 4614, 7071, 7855, 8230  
**Apocynum cannabinum** [Indian hemp], 8230  
**Aponogeton** sp. (Aponogetonaceae), 4755  
apple [see *Malus* sp.] (Rosaceae)  
    American crab [see *Malus coronaria*]  
    common [see *Malus pumila*]  
    crab [see *Malus sylvestris*]  
    custard [see *Annona* sp.; *Annona reticulata*] (Annonaceae)  
    pond [see *Annona glabra*]  
    showy crab [see *Malus floribunda*]  
    Siberian crab [see *Malus baccata*]  
    southern wild crab [see *Malus angustifolia*]  
    sugar [see *Annona squamosa*] (Annonaceae)  
    wild crab [see *Malus ioensis*]  
    wood [see *Limonia* sp.] (Rutaceae)  
apple mummies [*Malus* sp.] (Rosaceae), 5623  
apple-of-Peru [see *Nicandra physalodes*] (Solanaceae)  
apricot [see *Prunus armeniaca* sp.] (Rosaceae)  
**Aquilegia** sp. (Ranunculaceae) [columbine], 3614, 3959?, 6570, 6597, 11063  
**Aquilegia canadensis** [wild columbine], 4363, 11071  
**Arabidopsis thaliana** (Cruciferae), 4207  
**Arabis canadensis** (Cruciferae), 4207  
**Arabis drummondii**, 4192  
**Arabis glabra**, 4192, 4197, 4207  
**Arabis laevigata**, 4192  
**Arabis lyrata**, 4307  
**Arachis hypogaea** (Leguminosae) [peanut], 1615, 2209, 2270, 2366, 3745, 4949, 5896, 7894?, 8137, 8574, 8887, 9665, 9666, 9671, 10664, 11068, 11071  
aralia, Balfour [see *Polyscias balfouriana*] (Araliaceae)  
    Ming [see *Polyscias fruticosa*]  
**Aralia** sp. (Araliaceae), 432.1, 4170?, 8140, 9469  
**Aralia chinensis**, 4363  
**Aralia elata**, 4363  
**Aralia hispida**, 4363  
**Aralia nudicaulis** [wild sarsaparilla], 4363.1, 8318  
**Aralia spinosa** [devil's walking stick], 2298, 4363.1  
**Araucaria excelsa** [see *Araucaria heterophylla*]  
**Araucaria heterophylla** (Araucariaceae) [Norfolk Island pine], 5531?  
arborvitae [see *Thuja* sp.] (Cupressaceae)  
    American [see *Thuja occidentalis*]  
    giant [see *Thuja plicata*]  
    Oriental [see *Thuja orientalis*]  
**Arbutus menziesii** (Ericaceae) [madrone], 7701, 7757  
**Arbutus unedo** [strawberry tree], 11071  
**Archontophoenix alexandrae** (Palmae) [Alexander palm], 4700  
**Arctium** sp. (Compositae) [burdock], 1685, 9466  
**Arctium lappa** [great burdock], 4434, 4435, 7663, 8137, 8924, 9090, 9095, 10664  
**Arctium majus**, 8129, 8137  
**Arctium minus** [common burdock], 4435, 6109  
**Arctostaphylos** sp. (Ericaceae), 3374, 4363  
**Arctostaphylos glauca** [bigberry manzanita], 7909  
**Arctostaphylos pumila**, 2701  
**Ardisia escallonioides** (Myrsinaceae) [marlberry], 2702.1, 3462, 4673, 6671  
**Areca** sp. (Palmae), 4700  
**Areca vestiaria**, 432.1  
**Arecastrum** sp. (Palmae), 432.1  
**Arecastrum romanzoffianum** [queen palm], 4700, 8556, 9669  
**Argemone platyceras** var. **hispida** (Papaveraceae) [prickly poppy], 8887  
**Argythamnia blodgettii** (Euphorbiaceae), 2231  
**Arisaema dracontium** (Araceae) [dragon root], 8140  
**Aristida purpurascens** (Gramineae), 4030a  
**Aristida virgata**, 4029  
**Aristolochia** sp. (Aristolochiaceae) [birthwort], 4158a, 4562.1  
**Aristolochia brasiliensis**, 4158a  
**Aristolochia californica**, 4157  
**Aristolochia durior** [pipevine], 4157, 4158a  
**Aristolochia elegans**, 4157, 4158a  
**Aristolochia grandiflora** [pelican flower], 4158a  
**Aristolochia littoralis**, 4157  
**Aristolochia longiflora**, 4157  
**Aristolochia maxima**, 4157  
**Aristolochia pentandra**, 4158a  
**Aristolochia reticulata**, 4157  
**Aristolochia ringens**, 4158a  
**Aristolochia serpentaria** [Virginia snakeroot], 4157, 4158a  
**Aristolochia siphon**, 4158a  
**Aristolochia tomentosa**, 4157  
**Aristolochia watsoni**, 4157  
**Armoracia aquatica** (Cruciferae), 4197  
**Armoracia rusticana** [horseradish], 4197, 4198a, 10731  
**Arracacia xanthorrhiza** (Umbelliferae) [Peruvian carrot], 4159a  
**Aronia arbutifolia** (Rosaceae), 4181, 7767  
**Aronia melanocarpa**, 4285b, 8318, 10942.1  
arrowhead [see *Sagittaria* sp.] (Alismataceae)  
arrow root, Florida [see *Zamia pumila*] (Zamiaceae)  
arrowwood [see *Viburnum* sp.] (Caprifoliaceae)  
    southern [see *Viburnum dentatum*]  
**Artanthe** sp. (Piperaceae), 8542  
**Artemisia** sp. (Compositae) [sagebrush], 2614, 3005, 4434, 4435, 4949  
**Artemisia absinthium** [common wormwood], 4434, 8171  
**Artemisia californica**, 7058  
**Artemisia douglasiana**, 4434  
**Artemisia filifolia** [sand sage], 7730  
**Artemisia frigida**, 4435  
**Artemisia ludoviciana**, 4434, 4435  
**Artemisia stellerana** [beach wormwood], 4434, 4435, 8131  
**Artemisia tripartita**, 2298  
**Artemisia vulgaris**, 4435  
artichoke [see *Cynara scolymus*] (Compositae)  
    Chinese [see *Stachy affinis*] (Labiatae)  
    Jerusalem [see *Helianthus tuberosus*] (Compositae)  
artillery plant [see *Pilea microphylla*] (Urticaceae)  
**Artocarpus** sp. (Moraceae), 433.1  
**Artocarpus heterophyllus** [jackfruit], 4549  
**Artocarpus similis** [breadfruit], 7841  
**Arundinaria** sp. (Gramineae), 4063, 9060, 9444  
**Arundinaria gigantea** [southern cane], 4101, 4568  
**Arundinaria gigantea tecta** [switch cane], 4099, 4568  
**Arundinaria macrosperma**, 4943  
**Asarum** sp. (Aristolochiaceae), 4157  
**Asarum canadense** [wild ginger], 4157

- Asclepias** sp. (Asclepiadaceae) [milkweed], 4363, 4614, 4615a, 8228, 8238, 8256, 9666
- Asclepias albicans**, 4615
- Asclepias amplexicaulis**, 4614, 4615a
- Asclepias asperula**, 4614, 4615
- Asclepias californica**, 4614
- Asclepias cordifolia**, 4614
- Asclepias curassavica** [bloodflower], 4614, 4616, 4617a, 8238
- Asclepias curtissii**, 4614
- Asclepias eriocarpa**, 4614
- Asclepias erosa**, 4614, 4615
- Asclepias exaltata**, 4614
- Asclepias fascicularis**, 4614, 4615
- Asclepias humistrata**, 4615
- Asclepias incarnata** [swamp milkweed], 4614, 8230, 10304
- Asclepias mexicana**, 4614, 4615a
- Asclepias nivea**, 4614, 4615
- Asclepias perennis**, 4614
- Asclepias physocarpus**, 4614
- Asclepias purpurascens** [purple milkweed], 4614
- Asclepias speciosa**, 4614
- Asclepias subulata**, 4614, 4615
- Asclepias subverticillata**, 4614
- Asclepias syriaca**, 4614, 8230, 8238
- Asclepias tomentosa**, 4614
- Asclepias tuberosa** [butterfly weed], 4336?, 4614, 4615, 8238, 8256
- Asclepias verticillata**, 4614
- Asclepias viridis**, 4614
- ash [see *Fraxinus* sp.] (Oleaceae)
- American mountain [see *Sorbus americana*] (Rosaceae)
- Biscayne prickly [see *Zanthoxylum coriaceum*] (Rutaceae)
- black [see *Fraxinus nigra*]
- blue [see *Fraxinus quadrangulata*]
- Carolina [see *Fraxinus caroliniana*]
- European [see *Fraxinus excelsior*]
- European mountain [see *Sorbus aucuparia*]
- green [see *Fraxinus pennsylvanica*]
- Mexican [see *Fraxinus berlandieriana*]
- mountain [see *Sorbus* sp.] (Rosaceae)
- northern prickly [see *Zanthoxylum americanum*]
- prickly [see *Zanthoxylum* sp.]
- stinking [see *Ptelea trifoliata*] (Rutaceae)
- white [see *Fraxinus americana*]
- Asimina** sp. (Annonaceae) [pawpaw], 3631, 7784
- Asimina angustifolia**, 3631, 4184
- Asimina incana**, 4184
- Asimina parviflora**, 4184
- Asimina pygmaea**, 4184
- Asimina reticulata**, 4184, 5627
- Asimina speciosa**, 4184
- Asimina tetramera**, 4184
- Asimina triloba** [pawpaw], 3417, 4184, 5627, 7663, 7771, 7784, 8140, 8316
- asparagus [see *Asparagus officinalis*] (Liliaceae)
- smilax [see *Asparagus asparagoides*]
- asparagus fern [see *Asparagus setaceus*] (Liliaceae)
- Asparagus** sp. (Liliaceae), 3627
- Asparagus asparagoides** [smilax asparagus], 10915
- Asparagus densiflorus 'sprengeri'**, 8140, 9630, 9669, 9670
- Asparagus officinalis** [asparagus], 6584, 6590, 8131, 8137, 8887, 9272, 9665, 9666, 9669, 9671, 10304, 10438, 10663, 10664, 10915, 11068
- Asparagus setaceus** [asparagus fern], 7670, 8131, 9669, 9670, 10915
- Asparagus virgatus** [tiki], 3745, 8146
- aspen [see *Populus* sp.] (Betulaceae)
- bigtooth [see *Populus grandidentata*]
- quaking [see *Populus tremuloides*]
- Asplenium** sp. (Polypodiaceae), [spleenwort], 9665
- Asplenium nidus** [bird's-nest fern], 9630
- aster [see *Aster* sp.] (Compositae)
- heath [see *Aster ericoides*]
- New England [see *Aster novae-angliae*]
- Aster** sp. (Compositae) [aster], 2289, 2295, 2298, 2305, 3693, 3695, 3720, 4440, 4481a, 4490a, 4700, 4949, 5935, 5946a, 6486, 6941, 7058, 7071, 7474, 7730, 8129, 8887, 8889, 9466, 9545, 9669, 10192, 10200, 10304, 10648, 10955, 11072, 11128
- Aster acuminatus**, 4481
- Aster alpinus**, 4210
- Aster angliae**, 4481
- Aster dumosus**, 4481, 9090
- Aster ericoides** [heath aster], 4481, 10368, 10397, 10648, 10670, 10676, 11128
- Aster laevis**, 4481, 11128
- Aster lateriflorus**, 4481
- Aster multiflorus**, 6486a
- Aster novae-angliae** [New England aster], 4481a, 10192, 11110
- Aster pilosus**, 4481
- Aster praealtus**, 4481
- Aster puniceus**, 4481, 4490, 11128
- Aster puniceus var. elliotii**, 6120
- Aster simplex**, 4481
- Aster solidagineus**, 4481
- Aster texanus**, 4481
- Aster umbellatus**, 4490a, 8898
- Astragalus** sp. (Leguminosae) [milk vetch], 1615, 3870, 3910, 4193, 4209, 4210, 4335, 4361, 5744
- Astragalus adsurgens**, 4209
- Astragalus alpinus**, 4210
- Astragalus antiselli**, 4210
- Astragalus bisulcatus**, 4210
- Astragalus canadense**, 3959
- Astragalus crassicaulis** [ground plum], 4209, 4210
- Astragalus crotalariae**, 4210, 4336, 4359
- Astragalus decumbens**, 4209
- Astragalus drummondii**, 4210
- Astragalus engelmannii**, 3909
- Astragalus flexuosus**, 4210
- Astragalus miser**, 4209
- Astragalus mollissimus**, 4336
- Astragalus plattensis**, 4209, 4210
- Astragalus racemosa**, 4210
- Astragalus whitneyi**, 4210
- Asystasia** sp. (Acanthaceae), 4439
- Atalantia** sp. (Rutaceae), 854.1
- Atalantia ceylanica**, 4170
- Atriplex** sp. (Chenopodiaceae) [saltbush], 9665
- Atriplex patula**, 6234
- Atriplex rosea**, 3977
- Atropa belladonna** (Solanaceae) [belladonna], 7775, 7776, 8129, 9666, 11068
- Aucuba** sp. (Cornaceae), 4440
- Aucuba japonica** [Japanese laurel], 9670
- Aureolaria grandiflora** (Scrophulariaceae), 11065
- Australian banyan [see *Ficus macrophylla*] (Moraceae)
- Australian laurel [see *Pittosporum tobira*] (Pittosporaceae)

- Australian pine [see *Casuarina* sp.] (Casuarinaceae)  
 Australian silver oak [see *Leucadendron* sp.] (Rosaceae)  
 Australian umbrella tree [see *Brassaia actinophylla*] (Araliaceae)  
 Austrian pine [see *Pinus nigra*] (Pinaceae)  
**Avena** sp. (Gramineae) [oats], 2260, 4105  
**Avena fatua** [wild oats], 4587a  
**Avena sativa** [oats], 9666, 10438, 10454, 10648, 10651, 10663, 10731, 10911, 10942.1, 11068  
**Averrhoa carambola** (Oxalidaceae) [carambola], 8131  
**Avicennia germinans** (Avicenniaceae) [black mangrove], 3496, 4442a, 4657, 5251.1, 5592  
 avocado [see *Persea americana*] (Lauraceae)  
**Axonopus compressus** (Gramineae), 4013, 4575  
 azalea [see *Rhododendron* sp.] (Ericaceae)  
   flame [see *Rhododendron calendulaceum*]  
   macranthum [see *Rhododendron indicum*]  
   swamp [see *Rhododendron viscosum*]  
**Azolla** sp. (Azollaceae), 4755  
**Azolla caroliniana** [mosquito plant], 5151
- baby's breath [see *Gypsophila elegans*; *Gypsophila paniculata*] (Caryophyllaceae)  
 baby's tears [see *Soleirolia soleiroliae*] (Urticaceae)  
**Baccharis** sp. (Compositae), 2792, 5190, 6213, 9076?  
**Baccharis glutinosa** [water willow], 4363  
**Baccharis halimifolia** [groundsel bush], 517, 2792, 3188, 3781.1, 6210, 6213, 6314, 8131  
**Baccharis neglecta**, 517, 3218.1, 6314  
**Baccharis pilularis**, 6314  
**Baccharis salicina** [willow baccharis], 457  
**Bacopa** sp. (Scrophulariaceae) [water hyssop], 4443a, 4755  
**Bacopa monnieri**, 4443  
**Bactris gasipaes** (Palmae) [peach palm], 432.1  
 bael tree [see *Aegle marmelos*] (Rutaceae)  
 Bahama strongbark [see *Bourreria ovata*] (Boraginaceae)  
 Bahia grass [see *Paspalum notatum*] (Gramineae)  
**Balduina angustifolia** (Compositae), 11107  
 balloon vine [see *Cardiospermum halicacabum*] (Sapindaceae)  
 balm-of-Gilead [see *Populus gileadensis*] (Salicaceae)  
 balsa wood [see *Ochroma pyramidale*] (Bombacaceae)  
 balsam fir [see *Abies balsamea*] (Pinaceae)  
 balsam pear [see *Momordica charantia*] (Cucurbitaceae)  
**Balsamorhiza sagittata** (Compositae) [Oregon sunflower], 10731  
 bamboo (Gramineae), 432.1  
 bamboo [see *Bambusa* sp.]  
   Buddha [see *Bambusa ventricosa*] (Gramineae)  
   heavenly [see *Nandina domestica*] (Berberidaceae)  
   wild [see *Lasiacis divaricata*] (Gramineae)  
**Bambusa** sp. (Gramineae) [bamboo], 457  
**Bambusa ventricosa** (Gramineae) [Buddha bamboo], 4004  
 banana [see *Musa* sp.; *Musa paradisiaca*] (Musaceae)  
   dwarf [see *Musa nana*]  
 banana plant [see *Nymphoides aquatica*] (Menyanthaceae)  
 banyan, Australian [see *Ficus macrophylla*] (Moraceae)  
 banyan tree [see *Ficus bengalensis*] (Moraceae)  
**Baptisia** sp. (Leguminosae) [wild indigo], 3443, 3904?, 3956, 4210, 4992, 8772  
**Baptisia australis**, 3959  
**Baptisia lactea**, 4992  
**Baptisia leucantha** [white false indigo], 2242, 3959  
**Baptisia leucophaea** var. *laevicaulis*, 3959  
**Baptisia tinctoria** [wild indigo], 3959, 4209, 4325a, 4361, 4986, 4992, 5619, 7746, 7957  
 Barbados aloe [see *Aloe barbadensis*] (Liliaceae)  
 Barbados cherry [see *Malpighia galbra*] (Malpighiaceae)  
 Barbados nut [see *Jatropha curcas*] (Euphorbiaceae)  
**Barbarea orthoceras** (Cruciferae), 4197  
**Barbarea verna**, 4197, 4209  
**Barbarea vulgaris** [winter cress], 4197  
 barberry, American [see *Berberis canadensis*] (Berberidaceae)  
   common [see *Berberis vulgaris*]  
   Japanese [see *Berberis thunbergii*]  
   Magellan [see *Berberis buxifolia*]  
 bark, 8502  
 barley [see *Hordeum vulgare*] (Gramineae)  
 basil [see *Ocimum* sp.] (Labiatae)  
   sweet [see *Ocimum basilicum*]  
 basswood [see *Tilia* sp.] (Tiliaceae)  
   American [see *Tilia americana*]  
   white [see *Tilia heterophylla*]  
**Batis maritima** (Batidaceae) [saltwort], 4198a, 4354a  
**Bauhinia** sp. (Leguminosae) [orchid tree], 457, 2272, 3886, 4228a, 5726, 7746  
**Bauhinia alba**, 5725, 8129  
**Bauhinia mexicana**, 5864  
**Bauhinia purpurea** [butterfly tree], 5722, 5725  
**Bauhinia variegata** [orchid tree], 5725, 7746  
 bay [see *Persea* sp.] (Lauraceae)  
   loblolly [see *Gordonia lasianthus*] (Theaceae)  
   red [see *Persea borbonia*]  
 baybean [see *Canavalia lineata*] (Leguminosae)  
 bayberry [see *Myrica* sp.] (Myricaceae)  
 bay cedar [see *Suriana maritima*] (Surianaceae)  
 bean, broad [see *Vicia faba*] (Leguminosae)  
   castor [see *Ricinus communis*] (Euphorbiaceae)  
   green [see *Phaseolus vulgaris*] (Leguminosae)  
   hyacinth [see *Dolichos lablab*] (Leguminosae)  
   lima [see *Phaseolus limensis*] (Leguminosae)  
   velvet [see *Mucuna sloanei*] (Leguminosae)  
   winged [see *Psophocarpus tetragonolobus*] (Leguminosae)  
 beans [see *Phaseolus* sp.] (Leguminosae)  
 beardtongue [see *Penstemon* sp.] (Scrophulariaceae)  
 bearsfoot [see *Polymnia uvedalia*] (Compositae)  
**Beaucarnea recurvata** (Agavaceae) [ponytail], 1422, 4700  
**Beaumontia grandiflora** (Apocynaceae) [Herald's trumpet], 9670  
 beautyberry, American [see *Callicarpa americana*] (Verbenaceae)  
 bedstraw [see *Galium* sp.] (Rubiaceae)  
 bee balm [see *Monarda didyma*] (Labiatae)  
 beech [see *Fagus* sp.] (Fagaceae)  
   American [see *Fagus grandifolia*]  
   European [see *Fagus sylvatica*]  
 beeswax, 5622, 6007  
 beet [see *Beta vulgaris*] (Chenopodiaceae)  
   sugar [see *Beta vulgaris*]  
**Befaria racemosa** (Ericaceae), 2750  
 beggartick [see *Bidens* sp.] (Compositae)  
   Devil's [see *Bidens frondosa*]  
 beggarweed [see *Desmodium* sp.] (Leguminosae)  
 begonia [see *Begonia* sp.] (Begoniaceae)  
   rex [see *Begonia x rex-cultorum*]  
**Begonia** sp. (Begoniaceae) [begonia], 4363, 7746, 9669, 9670, 9672  
**Begonia cucullata** var. *Hookeri*, 9672  
**Begonia pustulata**, 9669

- Begonia x rex-cultorum** [rex begonia], 9672  
*Begonia semperflorans* [see *Begonia cucullata* var. *Hookeri*]  
**Beilschmiedia pendula** (Lauraceae), 2700.2  
 bela [see *Jasminum sambac*] (Oleaceae)  
 belladonna [see *Atropa belladonna*] (Solanaceae)  
 bellyache bush [see *Japtrorpha curcas*] (Euphorbiaceae)  
*Beloperone guttata* [see *Justicia brandegeana*] (Acanthaceae)  
 bent grass [see *Agrostis* sp.] (Gramineae)  
**Berberis buxifolia** (Berberidaceae) [Magellan barberry], 3745  
**Berberis canadensis** [American barberry], 8140, 8316  
**Berberis thunbergii** [Japanese barberry], 7290a  
**Berberis trifoliata** [agarita], 457  
**Berberis vulgaris** [common barberry], 457, 4197, 4207, 7290a, 7701, 7764, 7767, 8316, 8318  
**Berchemia scandens** (Rhamnaceae) [supplejack], 2549  
 Bermuda grass [see *Cynodon dactylon*] (Gramineae)  
**Bernardia myricaefolia** (Euphorbiaceae), 454  
**Beta** sp. (Chenopodiaceae) [beet], 2366, 4847, 4949, 4975, 5169, 5272  
**Beta vulgaris** [sugar beet], 2770, 4435, 4949, 4980, 5079, 5169, 5170, 5272, 5918, 7894, 8129, 8131, 8137, 8887, 8924, 9665, 9666, 9669, 9671, 9720, 10223, 10438, 10661, 10663, 10664, 10731, 10805, 10911, 10915, 10942.1  
 betony [see *Stachys* sp.] (Labiatae)  
**Betula** sp. (Betulaceae) [birch], 957, 2281, 2287, 2549, 2770, 3333, 3494, 3539, 3540, 3597, 3625, 3635, 3637, 3648, 3716, 3720, 3722, 3725, 3748, 4176, 4432a, 4644, 4652, 4665, 4671, 4677, 4679, 4681, 4697, 6005, 6258, 6439, 6570, 6583, 6597, 6652b, 6654, 6658, 6677, 6796, 6797, 6798, 6806, 6838, 6843, 6894a, 6964, 7009, 7084a, 7390, 7428, 7686, 7701, 7704, 7746, 7757, 7758, 7767, 7810, 7824, 7825, 7902, 7903, 7921, 7931, 7951, 7985, 7990, 7994, 7998, 7999, 8005, 8007, 8010, 8017, 8137, 8140, 8301, 8302, 8318, 8587, 8697, 8714, 8970, 9184, 9189, 9200, 9203, 9208, 9212, 9237, 9241, 9248, 9250, 9255, 9257, 9264, 9545, 10495  
**Betula alleghaniensis** [yellow birch], 3540, 3625, 3635, 3637, 3725, 3748, 4432, 6598, 6620, 6621a, 6797, 6798, 6838, 6888, 7048, 7084a, 7767, 7931, 8318, 9246  
**Betula glandulosa**, 4432  
**Betula lenta** [sweet birch], 4522a, 6660, 7767, 7998, 8316, 8318  
**Betula lutea**, 4522a  
**Betula nigra** [black birch], 6797, 7046, 7701, 7757, 7902, 8140, 8316, 8318, 9208  
**Betula papyrifera** [paper birch; white birch], 457, 2281, 3716, 3720, 3722, 3725, 3748, 4285b, 4421, 4432a, 4523a, 4956, 6326, 6584, 6620, 6763, 6830, 6888, 7048, 7084a, 7698, 7701, 7704, 7758, 7767, 7821, 7824, 7902, 7915, 7921, 7951, 7998, 8010, 8012, 8017, 8129, 8140, 8203, 8318, 8397, 9203, 9887  
**Betula papyrifera** var. **commutata** [western white birch], 3540, 3625, 3631, 3635, 4432, 7701, 7704, 7767, 7902, 8007, 8010, 8017, 8129, 8140, 8203, 8316, 9200, 9203  
**Betula populifolia** [gray birch; wire birch], 3625, 6797, 7009, 7698, 7701, 7704, 7902, 7903, 8318, 8397, 9200, 10950  
**Bidens** sp. (Compositae) [beggartick], 3781, 3853.1, 5934, 5935, 7059, 8398, 8894, 9714  
**Bidens alba**, 4248  
**Bidens bipinnata**, 8137  
**Bidens frondosa** [devil's beggartick], 3202, 4248  
**Bidens pilosa** [Spanish needle], 5069, 8131, 8140, 9666, 9672, 9693, 9698  
**Bidens polylepis**, 9766  
**Bidens trichosperma**, 9766  
**Bignonia** sp. (Bignoniaceae), 7778, 7793  
**Bignonia capreolata** [trumpet flower], 4420, 7793  
 bilberry, bog [see *Vaccinium uliginosum*] (Ericaceae)  
 bindweed [see *Convolvulus* sp.] (Convolvulaceae)  
 field [see *Convolvulus arvensis*] (Convolvulaceae)  
 birch [see *Betula* sp.] (Betulaceae)  
 black [see *Betula nigra*]  
 gray [see *Betula populifera*]  
 paper [see *Betula papyrifera*]  
 sweet [see *Betula lenta*]  
 western white [see *Betula papyrifera* var. *commutata*]  
 white [see *Betula papyrifera*]  
 wire [see *Betula populifer*]  
 yellow [see *Betula alleghaniensis*]  
 bird-of-paradise [see *Strelitzia* sp.] (Musaceae)  
 bird-of-paradise tree [see *Strelitzia nicolai*] (Musaceae)  
 birthwort [see *Aristolochia* sp.] (Aristolochiaceae)  
**Bischofia javanica** (Euphorbiaceae) [toog tree], 7746, 8131  
**Bismarckia** sp. (Palmae), 457  
 bittersweet [see *Celastrus* sp.] (Celastraceae)  
 American [see *Celastrus scandens*]  
 blackbead [see *Pithecellobium guadalupense*] (Leguminosae)  
 blackberry [see *Rubus* sp.] (Rosaceae)  
 cut-leaf [see *Rubus laciniatus*]  
 sand [see *Rubus cuneifolius*]  
 sow-teat [see *Rubus allegheniensis*]  
 black-eyed pea [see *Vigna sinensis*] (Leguminosae)  
 black gum [see *Nyssa sylvatica*] (Nyssaceae)  
 blackroot [see *Pterocaulon pycnostachyum*] (Compositae)  
 blackthorn [see *Crataegus calpodendron*] (Rosaceae)  
 bladder mallow [see *Herissantia crispa*] (Malvaceae)  
 bladdernut, American [see *Staphylea trifolia*] (Staphyleaceae)  
 bladder senna [see *Colutea* sp.] (Leguminosae)  
 bladderwort [see *Utricularia inflata*] (Lentibulariaceae)  
 blanket flower [see *Gaillardia* sp.] (Compositae)  
**Blechnum** sp. (Polypodiaceae), 9630  
**Blechnum** sp. (Acanthaceae), 4446a, 9669  
**Blechnum blechnum**, 4446  
**Blechnum browni**, 4442, 4446, 5188, 5190  
**Blechnum pyramidatum**, 4442.1, 4443, 4446  
**Blepharis** sp. (Acanthaceae), 4439  
**Blighia sapida** (Sapindaceae) [akee], 7746  
 blolly [see *Guapira discolor*] (Nyctaginaceae)  
 bloodflower [see *Asclepias curassavica*] (Asclepiadaceae)  
 bloodleaf [see *Iresine canescens*] (Amaranthaceae)  
 blood lily [see *Haemanthus multiflorus*] (Amaryllidaceae)  
 blueberry [see *Vaccinium* sp.] (Ericaceae)  
 creeping [see *Vaccinium crassifolium*]  
 dryland [see *Vaccinium pallidum*]  
 highbush [see *Vaccinium corymbosum*]  
 lowbush [see *Vaccinium angustifolium*]  
 rabbit-eye [see *Vaccinium ashei*]  
 sourtop [see *Vaccinium myrtilloides*]  
 bluegrass [see *Poa* sp.] (Gramineae)  
 Kentucky [see *Poa pratensis*]  
 bluestem joe-pye weed [see *Eupatorium purpureum*] (Compositae)  
 blueblossom [see *Ceanothus thyrsiflorus*] (Rhamnaceae)  
 blueweed [see *Echium vulgare*] (Boraginaceae)  
**Boehmeria** sp. (Urticaceae) [false nettle], 4437a, 5281

- Boehmeria cylindrica** [bog hemp], 2336.1, 4420, 4421, 4437a, 4447, 5273, 5281  
**Boehmeria nivea** [ramie], 5243  
**Boerhavia coccinea** (Nyctaginaceae), 7894  
**Boerhavia erecta**, 7417  
**Boerhavia erecta** var. **intermedia**, 4447  
**Boerhavia repens**, 6104  
 bog hemp [see *Boehmeria cylindrica*] (Urticaceae)  
 bog rosemary [see *Andromeda* sp.] (Ericaceae)  
**Boisduvalia** sp. (Onagraceae), 7894  
**Bombax** sp. (Bombacaceae), 5722, 7746  
**Bombax fastuosa**, 7757  
 boneset [see *Eupatorium perfoliatum*] (Compositae)  
   common [see *Eupatorium perfoliatum*]  
 bonnet lily [see *Nuphar* sp.] (Nymphaeaceae)  
**Borago officinalis** (Boraginaceae) [talewort], 4435  
**Borreria** sp. (Rubiaceae), 7140  
**Borreria brachysepala**, 5284  
**Borreria ocimoides** [botoncillo], 5272  
**Borrichia arborescens** (Compositae), 2072.4  
**Borrichia frutescens**, 3177, 6160  
 botoncillo [see *Borreria ocimoides*] (Rubiaceae)  
 bottlebrush [see *Callistemon* sp.] (Myrtaceae)  
   crimson [see *Callistemon citrinus*]  
   weeping [see *Callistemon viminalis*]  
**Bothriochloa barbinodes** (Gramineae), 11074  
**Bougainvillea** sp. (Nyctaginaceae), 5267, 8146, 8284a  
**Bougainvillea glabra**, 5267, 8140  
**Bougainvillea spectabilis**, 5243, 5267  
**Bourreria ovata** (Boraginaceae) [Bahama strongbark], 996  
**Bouteloua curtipendula** (Gramineae), 4029  
**Bouvardia** sp. (Rubiaceae), 7890  
 box elder [see *Acer negundo*] (Aceraceae)  
 boxwood [see *Buxus* sp.] (Buxaceae)  
   common [see *Buxus sempervirens*]  
**Brachiaria fasciculata** (Gramineae), 8743, 11068  
**Brachyelytrum erectum** (Gramineae), 1132  
 bracket fungus, 367.1, 8431, 8500  
 bracken [see *Pteridium* sp.] (Dennstaedtiaceae)  
 brake [see *Pteris* sp.] (Polypodiaceae)  
   Cretan [see *Pteris cretica*]  
 bramble [see *Rubus* sp.] (Rosaceae)  
**Brasenia schreberi** (Nymphaeaceae) [water shield], 4755, 4759  
**Brassaia** sp. (Araliaceae), 432.1  
**Brassaia actinophylla** [Australian umbrella tree], 432.1, 3745, 4013, 7746, 7998, 8134, 8887, 9669, 9670, 9671, 9672  
*Brassaia arboricola* [see *Schefflera arboricola*] (Araliaceae)  
**Brassica** sp. (Cruciferae), 2297.2, 4193, 4197, 4847, 5170  
*Brassica caulorapa* [see *Brassica oleracea* 'Gongylodes group']  
*Brassica chinensis* [see *Brassica rapa* 'Chinensis group']  
**Brassica geniculata**, 4192, 4197  
**Brassica hirta** [white mustard], 4197, 8887, 10663, 10731, 10915  
**Brassica juncea** [brown mustard], 4192, 4197, 4846, 9670  
**Brassica kaber**, 4197, 4846  
**Brassica kaber** var. **pinnatifida** [chardock], 4193  
**Brassica napus** [rape; colza], 4197  
**Brassica napus** 'Napobrassica group' [rutabaga], 2366, 4197  
**Brassica nigra** [black mustard], 4197, 8887, 10663, 10731, 10915  
**Brassica oleracea** [wild cabbage], 1513, 4190a, 4193, 4197, 4198a, 4794, 4846, 4847, 5896, 8131, 8137, 8146, 8887, 8890, 8924, 9665, 9666, 9669, 9671, 9672, 9673, 9957, 10223, 10304, 10397, 10438, 10648, 10651, 10661, 10663, 10664, 10670, 10674, 10731, 10805, 10942.1, 11068, 11071  
**Brassica oleracea** 'Acephala group' [collards], 2366, 4197, 4198a, 4846, 4898, 8131, 8887  
**Brassica oleracea** 'Botrytis group' [broccoli; cauliflower], 2366, 4193, 4197, 8131, 8137, 8887, 9665, 10438, 10663, 10664, 10942.1, 11068  
**Brassica oleracea** 'Capitata group' [cabbage], 2366, 3886, 4193, 4197, 4198a, 4846, 9672, 10911  
**Brassica oleracea** 'Gemmifera group' [brussel sprouts], 10664  
**Brassica oleracea** 'Gongylodes group' [kohlrabi], 2366, 4192, 4898  
**Brassica rapa** [turnip], 3886, 4192, 4197, 4198a, 4846, 4847, 5896, 7894, 8131, 8137, 8146, 8743, 8887, 9666, 9669, 9671, 10223, 10397, 10664, 10670, 10676, 10731, 10915, 10942.1  
**Brassica rapa** 'Chinensis group' [Chinese mustard], 2366  
**Brassica rapa** 'Pekinensis group' [Chinese cabbage], 2366, 4847, 8887  
**Brassica rapa** 'Perviridis group' [tendergreen], 4197, 8887, 9666, 9672, 10304, 10661  
 Brazilian pepper [see *Schinus terebinthifolius*] (Anacardiaceae)  
 breadfruit [see *Artocarpus similis*] (Moraceae)  
**Breynia nivosa** (Euphorbiaceae) [snowbush], 6616  
 bridel-wreath [see *Spiraea prunifolia*; *Spiraea vanhouttei*] (Rosaceae)  
 brier, horse [see *Smilax rotundifolia*] (Smilacaceae)  
 broccoli [see *Brassica oleracea* 'Botrytis group'] (Cruciferae)  
**Bromelia pinguin** (Bromeliaceae), 1150.1  
 broom [see *Cytisus* sp.] (Leguminosae)  
   Scotch [see *Cytisus scoparius*]  
 broom [see *Genista* sp.] (Leguminosae)  
   Dyer's [see *Genista tinctoria*]  
 broom sedge [see *Andropogon virginicus*] (Gramineae)  
**Brugmansia arborea** (Solanaceae) [maikoa], 9669, 11071  
**Brugmansia x candida**, 9669  
**Brunfelsia undulata** (Solanaceae), 8540  
 brussel sprouts [see *Brassica oleracea* 'Gemmifera group'] (Cruciferae)  
**Bucida buceras** (Combretaceae) [black olive], 3745, 6966, 7757, 8974, 9665, 9669  
 buckeye [see *Aesculus* sp.] (Hippocastanaceae)  
   California [see *Aesculus californica*]  
   Ohio [see *Aesculus glabra*]  
   Texas [see *Aesculus pavia*]  
   yellow [see *Aesculus octandra*]  
 buckthorn [see *Rhamnus* sp.] (Rhamnaceae)  
   common [see *Rhamnus cathartica*]  
 buckwheat [see *Fagopyrum* sp.] (Polygonaceae)  
   notch-seeded [see *Fagopyrum sagittatum*]  
   wild [see *Eriogonum fasciculatum*] (Compositae)  
 bugloss, Viper's [see *Echium* sp.] (Boraginaceae)  
 bullock's heart custard apple [see *Annona reticulata*] (Annonaceae)  
 bulrush [see *Scirpus cyperinus*] (Cyperaceae)  
**Bumelia** sp. (Sapotaceae), 8141  
**Bumelia angustifolia**, 7834  
**Bumelia celastrina**, 2405, 7834, 7968  
**Bumelia lanuginosa** [chittamwood], 2405, 2750, 7968  
**Bumelia microcarpa**, 5737

- Bumelia reclinata**, 2415, 4700  
**Bumelia tenax**, 2415  
 burdock [see *Arctium* sp.] (Compositae)  
   common [see *Arctium* sp.]  
   great [see *Arctium lappa*]  
 burhead [see *Echinodorus* sp.] (Alismataceae)  
 burnweed [see *Erechtites hieracifolia*] (Compositae)  
**Bursera simaruba** (Burseraceae) [gumbo-limbo], 598, 2702.1, 4532, 8960  
 bush, glory [see *Tibouchina* sp.] (Melastomaceae)  
 bustic [see *Dipholis salicifolia*] (Sapotaceae)  
**Butia** sp. (Palmae), 1422  
**Butia capitata** [jelly palm], 457, 1422  
 butterfly orchid [see *Encyclia tampensis*] (Orchidaceae)  
 butterfly-pea [see *Centrosema virginianum*] (Compositae)  
 butterfly-pea [see *Clitoria mariana*] (Leguminosae)  
 butterfly tree [see *Bauhinia purpurea*] (Leguminosae)  
 butterfly weed [see *Asclepias tuberosa*] (Asclepiadaceae)  
 butternut [see *Juglans cinerea*] (Juglandaceae)  
 butterweed [see *Senecio glabellus*] (Compositae)  
 buttonbush [see *Cephalanthus* sp.] (Rubiaceae)  
 button plant [see *Spermacoce* sp.] (Rubiaceae)  
 buttonwood [see *Conocarpus erectus*] (Combretaceae)  
   [see *Platanus occidentalis*] (Platanaceae)  
**Buxus** sp. (Buxaceae) [boxwood], 5552, 8140, 8203  
**Buxus sempervirens** [common boxwood], 8140, 8203, 8316  
**Byrsonima** sp. (Malpighiaceae), 3944  
**Byrsonima lucida**, 3944  
 cabbage [see *Brassica oleracea* 'Capitata group'] (Cruciferae)  
   Chinese [see *Brassica rapa* 'Pekinensis group']  
   skunk [see *Symplocarpus foetidus*] (Araceae)  
   wild [see *Brassica oleracea*]  
 cabbage angelintree [see *Andira inermis*] (Leguminosae)  
 cacao [see *Theobroma cacao*] (Sterculiaceae)  
 cactus, Christmas [see *Schlumbergera bridgesii*] (Cactaceae)  
 crab [see *Schlumbergera truncata*]  
**Cabomba caroliniana** (Nymphaeaceae) [fanwort], 10670  
**Caesalpinia** sp. (Leguminosae) [nickerbean, poinciana], 2272, 4358a, 4358.1, 8658  
**Caesalpinia bonducella**, 1148  
**Caesalpinia crista**, 711, 1148, 4358a, 5601  
**Caesalpinia gilliesii**, 5726  
**Caesalpinia pulcherrima** [dwarf poinciana], 4234, 5725  
 Caesar's weed [see *Urena lobata*] (Malvaceae)  
**Cajanus** sp. (Leguminosae) [pigeon pea], 2272, 5741, 5744  
**Cajanus cajan** [pigeon pea], 644, 2284, 4890, 5157.1, 5725, 5741, 7746, 8574, 8890, 11068, 11071  
**Cakile edentula** (Cruciferae), 4193, 4197, 4198a  
**Cakile maritima** [sea-rocket], 4198a  
 calabash, black [see *Enallagma latifolia*] (Bignoniaceae)  
 calabash tree [see *Crescentia cujete*] (Bignoniaceae)  
 caladium, white [see *Caladium x hortulanum*] (Araceae)  
**Caladium** sp. (Araceae), 8140, 9669, 9670, 10664  
**Caladium x hortulanum** [white caladium], 8131  
 calamondin [see *Citrofortunella microcarpa*] (Rutaceae)  
**Calathea** sp. (Marantaceae), 4115, 9669  
**Calathea louisae**, 9670  
**Calathea operheimiana**, 4115  
**Calathea zebrina** (Marantaceae) [zebra plant], 8140  
**Calendula** sp. (Compositae) [calendula], 4198a, 4435, 8885, 9669, 11071  
**Calendula officinalis** [pot marigold], 4949, 8137, 8885, 8887, 9672, 10304  
 calico plant [see *Alternanthera ficoidea* 'Betzickiana'] (Amaranthaceae)  
 calla, garden [see *Zantedeschia aethiopica*] (Araceae)  
 calla lily [see *Zantedeschia* sp.]  
 calliandra [see *Calliandra* sp.] (Leguminosae)  
**Calliandra** sp. (Leguminosae) [calliandra], 4233a, 7746  
**Calliandra haematocephala** [powderpuff], 4233a  
**Callicarpa americana** (Verbenaceae) [American beauty berry], 7778  
**Callirhoe** sp. (Malvaceae) [poppy mallow], 3966  
**Callirhoe leiocarpa**, 3966, 4336  
**Callistemon** sp. (Myrtaceae) [bottlebrush], 457, 7746, 8316  
**Callistemon citrinus** [crimson bottlebrush], 3745  
**Callistemon viminalis** [weeping bottlebrush], 454, 457  
**Callistephus** sp. (Compositae), 11068  
**Calluna vulgaris** (Ericaceae), 6234  
**Calocarpus sapota** [see *Manilkara zapota* (Sapotaceae)], 3414.1  
**Calocedrus decurrens** (Cupressaceae), 4318a  
**Calonyction** sp. (Convolvulaceae) [moonflower vine], 4647  
**Calonyction aculeatum**, 4157  
**Calophyllum** sp. (Guttiferae), 8140  
**Calophyllum brasiliense** [Santa Maria], 5723  
**Calophyllum inophyllum** [Alexandrian laurel; laurelwood], 5723  
**Calotropis** sp. (Asclepiadaceae), 304  
**Calotropis procera**, 4615, 4616  
**Calycanthus** sp. (Calycanthaceae) [sweetshrub], 8714?  
**Calycanthus floridus** [Carolina allspice], 8714?  
**Calypocarpus vialis** (Compositae), 2270  
**Calystegia sepium** (Convolvulaceae) [wild morning-glory], 9669  
 camellia [see *Camellia* sp.] (Theaceae)  
   common [see *Camellia japonica*]  
   sasanqua [see *Camellia sasanqua*]  
**Camellia** sp. (Theaceae) [camellia], 7746, 8316  
**Camellia japonica** [common camellia], 2415, 4647, 7746, 7902, 8316  
**Camellia sasanqua** (Theaceae) [sasanqua camellia], 8010, 8316  
 camomile [see *Anthemis* sp.] (Compositae)  
 camphor tree [see *Cinnamomum camphora*] (Lauraceae)  
 camphorweed [see *Pluchea purpurascens*] (Compositae)  
**Campsis radicans** (Bignoniaceae) [red trumpet creeper], 5563, 7787, 7793, 8140, 8316, 9309, 11029  
**Canavalia** sp. (Leguminosae) [canavalia], 8038a, 8574  
**Canavalia ensiformis** [jackbean], 5725, 5744  
**Canavalia gladiata** [swordbean], 5725, 5726  
**Canavalia lineata** [baybean], 5725, 8575  
**Canavalia obtusifolia**, 5725  
**Canavalia rosea**, 5725, 8574, 8575  
 candleberry [see *Myrica pensylvanica*] (Myricaceae)  
 candletree [see *Parmentiera cereifera*] (Bignoniaceae)  
   Panama [see *Parmentiera cereifera*]  
 cane [see *Dracaena fragrans* 'Massangeana'] (Agavaceae)  
 dumb [see *Dieffenbachia* sp.] (Araceae)  
 southern [see *Arundinaria gigantea*] (Gramineae)  
 sugar [see *Saccharum officinarum*] (Gramineae)  
 switch [see *Arundinaria gigantea tecta*] (Gramineae)  
 canistel [see *Pouteria campechiana*] (Sapotaceae)  
 canna [see *Canna* sp.] (Cannaceae)  
   India [see *Canna indica*]  
   wild [see *Canna flacida*]  
**Canna** sp. (Cannaceae) [canna], 3886, 4949, 5126, 8131, 8137, 8140, 9272, 11068

- Canna edulis**, 4115  
**Canna flacida** [wild canna], 4115, 5126, 9272  
**Canna generalis**, 4115  
**Canna indica** [India canna], 4115, 4700, 5126  
**Cannabis sativa** (Cannabidaceae) [marijuana], 4949, 10648, 11068  
 Cape gum [see *Acacia horrida*] (Leguminosae)  
 Cape jasmine [see *Gardenia jasminoides*] (Rubiaceae)  
 caper [see *Capparis* sp.] (Capparidaceae)  
     Jamaica [see *Capparis cynophallophora*]  
     limber [see *Capparis flexuosa*]  
**Caperonia** sp. (Euphorbiaceae) [caperonia], 6119  
**Caperonia palustris**, 8532  
**Capparis** sp. (Capparidaceae) [caper], 4190a, 4198a  
**Capparis cynophallophora** [Jamaica caper], 4790, 4791, 4793  
**Capparis flexuosa** [limber caper], 4198a, 4790  
**Capparis frondosa**, 4190a  
**Capparis grandigena**, 4198a  
**Capparis lateriflora**, 4190a  
**Capparis sandwichiana**, 4197  
**Capsella** sp. (Cruciferae), 4198a  
**Capsella bursa-pastoris**, 4193, 4197, 4207, 10664, 10731, 10915  
**Capsicum** sp. (Solanaceae) [pepper], 432.1, 3745, 3781, 4949, 5157, 5896, 7873, 8545, 9669, 10438  
**Capsicum annuum**, 6034, 7757, 7775, 7776, 9665, 9666, 9672, 10438, 10661, 10663, 10664, 10915, 11068  
**Capsicum annuum 'Grossum' group** [bell pepper], 2032, 8131, 9666, 11071  
**Capsicum frutescens** [red pepper], 2032, 5109, 9665, 9670, 11068  
**Caragana** sp. (Leguminosae) [pea tree], 4209  
 carambola [see *Averrhoa carambola*] (Oxalidaceae)  
**Carapa** sp. (Meliaceae) [crabwood], 5705  
 caraway [see *Carum carvi*] (Umbelliferae)  
**Cardamine** sp. (Cruciferae), 4207, 4755?, 9665  
**Cardamine bulbosa**, 4207  
**Cardamine hirsuta**, 4207  
**Cardamine parviflora**, 4207  
**Cardaria draba** (Cruciferae), 4192, 4197  
 cardinal's guard [see *Odontonema strictum*] (Acanthaceae)  
**Cardiospermum** sp. (Sapindaceae) [heartseed], 4273  
**Cardiospermum corindum**, 4273  
**Cardiospermum halicacabum** [balloon vine], 4273, 4336, 4358, 5078.1  
**Carduus** sp. (Compositae) [thistle], 2649, 4434, 4435, 6109, 8282  
**Carduus acanthoides**, 4435  
**Carduus crispus**, 4435  
**Carduus nutans**, 4435  
**Carex** sp. (Cyperaceae) [sedge], 1124, 4569a, 9280, 9666  
**Carex alopecoides**, 4576  
**Carex geophila**, 4078a  
**Carex heliophila**, 4078a  
**Carex hyalinolepis**, 4072, 4074  
**Carex jamesii**, 1124  
**Carex lacustris**, 4064, 4072, 4074, 4078a, 4569  
**Carex rostrata**, 4064  
**Carex spissa**, 4078a  
**Carex stricta**, 4569  
**Carex trichocarpa**, 4077  
**Carex walteriana**, 4074  
 Caribbean pine [see *Pinus caribaea*] (Pinaceae)  
**Carica** sp. (Caricaceae) [papaya], 5732  
**Carica papaya** [papaya], 304, 432.1, 4184, 7832, 7834, 7836, 7837, 7861, 11068  
**Carissa** sp. (Apocynaceae), 454, 9666  
*Carissa acuminosa* [see *Carissa bispinosa*]  
**Carissa bispinosa** [hedge thorn], 9672  
**Carissa grandiflora** [Natal plum], 4647, 5723, 8284a  
 carnation [see *Dianthus caryophyllus*] (Caryophyllaceae)  
 carob [see *Ceratonia siliqua*] (Leguminosae)  
 Carolina allspice [see *Calycanthus floridus*] (Calycanthaceae)  
**Carpentaria acuminata** (Palmae), 4647  
 carpet grass, Japanese [see *Zoysia matrella*] (Gramineae)  
**Carphephorus corymbosus** (Compositae), 11173.1  
**Carpinus** sp. (Betulaceae) [hornbeam], 93, 3648, 4679  
**Carpinus caroliniana** [American hornbeam], 457, 4176, 4285b, 4522a, 4667, 6658, 6667, 6798, 6838, 7048, 7663, 7698, 7701, 7704, 7746, 7757, 7821, 7824, 7902, 7990, 8011, 8140, 8203, 8316, 8318, 9200  
**Carpodiptera ameliae** (Tiliaceae), 4938  
 carrion flower [see *Stapelia* sp.] (Asclepiadaceae)  
 carrot [*Daucus carota* var. *sativus*] (Umbelliferae)  
     Peruvian [see *Arracacia xanthorrhiza*] (Umbelliferae)  
 carrot wood tree [see *Cupaniopsis anacardioides*] (Sapindaceae)  
**Carum carvi** (Umbelliferae) [caraway], 921, 4159a, 8204  
**Carya** sp. (Juglandaceae) [hickory], 442, 457, 811, 957, 1162, 1291, 2079, 2281, 2287, 2310, 2547, 2817, 3260, 3471, 3622, 3659, 3662, 3700, 4176, 4282, 4285, 4647, 4665, 4667, 4669, 4671, 4677, 4679, 4681, 4698, 4699, 5661, 5663, 5666, 5667, 5668, 5669, 5672, 5685, 5686, 5926, 5995, 6258, 6584, 6590, 6654, 6655, 6658, 6660, 6743, 6797, 6798, 6966, 7009, 7686, 7698, 7701, 7704, 7706, 7716, 7746, 7757, 7758, 7767, 7902, 7903, 7906, 7907, 7951, 7958, 7985, 7994, 8007, 8010, 8011, 8137, 8140, 8203, 8204, 8301, 8302, 8316, 8318, 8588, 8721, 8771, 8772, 8773, 8786, 8787, 8789, 8790, 8791, 8792, 8793, 8794, 8798, 8849, 8971, 9200, 9227, 9255, 9266, 9638, 9666, 9671, 9910, 10012, 10495, 11029  
**Carya aquatica** [bitter pecan; water hickory], 7907  
**Carya glabra** [pignut hickory], 4282b, 5663, 5669, 6660, 7902, 7907, 8010, 8140, 8318, 9200  
**Carya illinoensis** [pecan], 95, 454, 741, 811, 1291, 2547, 2549, 2674, 3263, 3423, 3426, 3471, 3635, 3745, 4281?, 4282a, 4336, 4647, 4700, 5602, 5661, 5666, 5667, 5668, 5668.1, 5672, 5684.2, 5685, 5686, 5995, 5999, 6584, 6590, 7706, 7746, 7767, 7827, 7903, 7907, 7920, 8010, 8011, 8140, 8771, 8786, 8792, 8793, 8794, 8873, 9666  
**Carya laciniosa** [shellbark hickory], 7902, 8140, 9638  
**Carya ovalis**, 7902, 8010, 8203  
**Carya ovata** [shagbark hickory], 93, 866, 3246, 3622, 4282b, 5663, 6660, 8318, 8794  
**Carya pallida** [sand hickory], 5669  
**Carya tomentosa** [mockernut hickory], 1623, 5663, 5666, 5669, 5672, 6660, 7827, 7902, 8010, 8140, 8203, 8318, 9200, 9638  
 Caryophyllaceae, 10317  
**Caryota** sp. (Palmae) [fishtail palm], 4700  
**Caryota mitis** [Burmese fishtail palm], 1422, 4700, 7902  
**Casasia clusiifolia** (Rubiaceae) [genip], 5724, 7847, 7850  
 cashew [see *Anacardium occidentale*] (Anacardiaceae)  
**Casimiroa edulis** (Rutaceae) [white sapote], 4170, 6616  
 cassava [see *Manihot esculenta*] (Euphorbiaceae)  
 cassia, apple-blossom [see *Cassia javanica*]  
     ringworm [see *Cassia alata*] (Leguminosae)  
**Cassia** sp. (Leguminosae) [senna], 304, 2209, 2749, 4227a,

- 2272, 3631, 3868a, 4210, 4229, 4231a, 4233a, 4237, 4242, 4243, 4992, 5742, 6332.1, 8655, 8658
- Cassia abbreviata beareana**, 4229
- Cassia alata** [ringworm cassia], 4229, 5704, 5726, 7746
- Cassia armata**, 4242
- Cassia artemisioides** [wormwood senna], 4229
- Cassia aspera**, 5890
- Cassia bahamensis**, 5704
- Cassia bergia**, 4229
- Cassia bicapsularis**, 4228a, 4229, 4231a, 4242, 4245, 5723, 5726
- Cassia brachiata**, 4359a, 5742
- Cassia brasiliiana** [Brazilian senna], 5711.1
- Cassia chamaecrista**, 5726
- Cassia cinerea**, 4228a
- Cassia corymbosa**, 4228a, 4229, 4242, 5726
- Cassia covesii**, 4228a, 4242
- Cassia deeringiana**, 5890
- Cassia emarginata**, 4227a
- Cassia fasciculata** [partridge-pea], 2209, 2211, 4228a, 4237, 4242, 5725, 5742, 7058, 7132, 7746
- Cassia fistula** [golden shower], 4229, 5624, 5704, 7746, 8649, 10304
- Cassia grandis** [pinkflower senna], 4229, 5724
- Cassia javanica** [apple-blossom cassia], 4229, 5704
- Cassia keyensis**, 5742
- Cassia lindheimeriana**, 4242
- Cassia marilandica** [wild senna], 4197, 4228a, 4229, 4237, 4242
- Cassia nictitans** [wild sensitive plant], 4228a, 4237, 4242, 8658
- Cassia nictitans** var. **aspera**, 1762.1, 4359a
- Cassia nodosa** [jointwood senna], 4229, 5704, 8149, 8640
- Cassia obtusifolia**, 4228a, 4242, 5704
- Cassia occidentalis** [coffeeweed], 1513, 4228a, 4229, 4237, 4242, 4245, 8658
- Cassia orientalis**, 5725
- Cassia puberula**, 4336
- Cassia quinquangulata**, 4229
- Cassia renigera**, 5704
- Cassia robusta**, 5742
- Cassia roxburghii**, 5624
- Cassia siamea** [kassodtree], 5704
- Cassia siberiana**, 4229
- Cassia stahlii**, 5726
- Cassia surattensis**, 4229
- Cassia tomentosa**, 4228a, 4242
- Cassia tora** [sicklepod senna], 4228a, 5704, 8131
- Castanea** sp. (Fagaceae) [chestnut], 663, 854, 2577, 3492, 4652, 4657, 4665, 4671, 4677, 4679, 4681, 4685, 4700, 6843, 9250
- Castanea boyntoni**, 4285b
- Castanea dentata** [American chestnut], 140, 144, 390, 457, 955, 956, 1013, 2281, 2287, 2549, 2577, 2693, 3251, 3492, 3494, 3946a, 4282b, 4285b, 4652, 4697, 4698, 6258, 6726, 6797, 6798, 6838, 6843, 6963, 6966, 7009, 7132, 7704, 7716, 7723a, 7757, 7758, 7902, 7906, 7975, 7994, 8011, 8140, 8203, 8316, 8318, 9200, 9248, 9250, 9266, 9638
- Castanea mollissima** [Chinese chestnut], 3, 7906, 10521
- Castanea pumila** [chinquapin], 3, 7704, 7902, 8140, 8194, 8316, 9126
- Castanea sativa** [Spanish chestnut], 457, 5723, 7704, 7757, 7902, 7915, 9200
- castor bean [see *Ricinus communis*] (Euphorbiaceae)
- Castela** sp. (Simaroubaceae), 2401
- Castilleja purpurea** (Scrophulariaceae), 4440
- Casuarina** sp. (Casuarinaceae) [Australian pine], 457, 2547, 7746
- Casuarina equisetifolia** [horsetail tree], 2547
- Casuarina glauca**, 8140
- Catalina cherry [see *Prunus lyonii*] (Rosaceae)
- catalpa [see *Catalpa* sp.] (Bignoniaceae)
- common [see *Catalpa bignonioides*]
- western [see *Catalpa speciosa*]
- Catalpa** sp. (Bignoniaceae) [catalpa], 7789, 7890, 8316, 8318
- Catalpa bignonioides** [common catalpa], 457, 4176, 7789, 8140, 8316
- Catalpa speciosa** [western catalpa], 7789, 8140, 8316
- Catasetum** sp. (Orchidaceae), 8146
- catclaw [see *Acacia gregii*] (Leguminosae)
- catnip [see *Nepeta cataria*] (Labiatae)
- cats-claw [see *Pithecellobium unguis-cati*] (Leguminosae)
- cattail [see *Typha* sp.] (Typhaceae)
- common [see *Typha latifolia*]
- narrow-leaved [see *Typha angustifolia*]
- Cattleya** sp. (Orchidaceae), 4700, 9669
- Caulanthus** sp. (Cruciferae), 4192
- Caulanthus cooperi**, 4197
- cauliflower [see *Brassica oleracea* 'Botrytis group'] (Cruciferae)
- Ceanothus** sp. (Rhamnaceae) [ceanothus], 3361, 3635, 3648, 4363, 7701, 8005
- Ceanothus americanus** [New Jersey tea], 1572, 3954, 4363, 4363.1, 6704
- Ceanothus fendleri**, 3954, 4363
- Ceanothus ovatus**, 3954, 4363, 4363.1
- Ceanothus integerrimus** [deerbush], 4363
- Ceanothus leucodermis**, 4363
- Ceanothus palmeri**, 4363
- Ceanothus thyrsiflorus** [blueblossom], 4363
- Cecropia** sp. (Moraceae) [pumpwood], 4545, 7841
- Cecropia peltata**, 5243
- cedar [see *Juniperus* sp.] (Cupressaceae)
- bay *Suriana maritima* (Surianaceae)
- creeping [see *Juniperus horizontalis*]
- Mexican [see *Cedrela mexicana*] (Meliaceae)
- red [see *Juniperus virginiana*]
- southern red [see *Juniperus silicicola*]
- Spanish [see *Cedrela odorata*]
- stinking [see *Torreya taxifolia*] (Taxaceae)
- white [see *Chamaecyparis thyoides*]
- cedar elm [see *Ulmus crassifolius*] (Ulmaceae)
- Cedrela** sp. (Meliaceae) [cedrela], 5705
- Cedrela mexicana** [Mexican cedar], 5705
- Cedrela odorata** [Spanish cedar], 5705
- Cedrus deodora** (Pinaceae) [deodora], 5595
- Celastrus** sp. (Celastraceae) [bittersweet], 6966
- Celastrus scandens** [American bittersweet], 6966, 7132
- celery [see *Apium* sp.] (Umbelliferae)
- wild [see *Vallisneria spiralis*] (Hydrocharitaceae)
- Celosia** sp. (Amaranthaceae) [woolflower], 4949, 5170, 9669, 9672, 11068
- Celosia argentea** var. **cristata**, 3977, 5170, 9672
- Celtis** sp. (Ulmaceae) [hackberry], 454, 742, 3498, 4522a, 4557, 4562, 4562.1b, 4650, 4700, 5803, 6362?, 7985, 8493
- Celtis douglasii**, 4410
- Celtis laevigata** [sugarberry], 442, 454, 457, 4410, 4420,



- 4557, 4562.1, 4647, 7746, 8140, 8316  
**Celtis lindheimeri**, 4557, 4562.1  
**Celtis mississippiensis**, 4562.1 7985  
**Celtis occidentalis** [nettle tree], 742, 4410a, 4420, 4421, 4432a, 4557, 4562.1, 6258, 6660, 7686, 8005, 8140, 8316, 8318, 9199  
**Celtis pallida**, 4410, 4557  
**Celtis reticulata**, 4410, 4432, 4557, 4562.1  
**Celtis tenuifolia**, 4410, 4557, 4562.1  
**Cenchrus** sp. (Gramineae), 8743, 10438  
**Cenchrus brownii**, 8743  
**Cenchrus incertus**, 9666, 10911  
**Cenchrus tribuloides** [sandspur], 10911  
**Centaurea** sp. (Compositae) [knapweed], 2313, 4435  
**Centaurea melitensis**, 6109  
**Centaurea nigra**, 4435  
**Centaurea solstitialis**, 4435, 8907  
**Centrosema** sp. (Leguminosae) [butterfly pea], 843  
**Centrosema virginianum** [butterfly pea], 3274.3, 3330, 3909, 3956  
**Cephalanthus occidentalis** (Naucleaceae) [buttonbush], 1433, 7706, 7764, 7767, 7849, 7884, 8140, 8316, 8491, 8877, 9272, 9286, 9301  
**Cerastium arvense** (Caryophyllaceae) [starry grasswort], 7146  
**Cerastium glomeratum**, 7146  
**Ceratiola ericoides** (Empetraceae) [rosemary], 7032  
**Ceratonía siliqua** (Leguminosae) [carob], 5722, 5723  
**Cercis** sp. (Leguminosae) [redbud], 2204, 4181, 4650, 5159  
**Cercis canadensis** [eastern redbud], 457, 701.1?, 2204, 4181, 4326a, 4650, 5159, 7701, 7746, 8005, 8010, 8012, 8140, 8316, 9638, 9670  
**Cercocarpus** sp. (Rosaceae) [mountain mahogany], 3648  
cereals, 6019  
**Cereus** sp. (Cactaceae), 5987.1  
**Ceropegia woodii** (Asclepiadaceae), 4615a  
**Cestrum** sp. (Solanaceae), 7669  
**Cestrum diurnum** (Solanaceae) [day jessamine], 4614, 8895, 9665, 9669, 10424  
**Cestrum nocturnum** [night-blooming jessamine], 9669, 9672  
**Chaenactis stevioides** (Compositae), 8887  
**Chaenomeles japonica** (Rosaceae) [flowering quince], 7824, 8887  
**Chamaebatiaria millefolium** (Rosaceae), 4363  
**Chamaecyparis thyoides** (Cupressaceae) [white cedar], 457, 4319, 7474, 7704, 7787, 8140, 8316, 8318, 9899, 10915  
**Chamaedaphne calyculata** (Ericaceae) [leatherleaf], 10969  
**Chamaedorea** sp. (Palmae), 432.1, 4700, 7833  
**Chamaedorea elegans** [parlor palm], 432.1  
**Chamaedorea erumpens** [bamboo palm], 432.1  
**Chamaedorea seifrizii**, 432.1  
**Chamaerops humilis** (Palmae) [European fan palm], 9666  
chamomile [see *Anthemis* sp.] (Compositae)  
chard [see *Beta* sp.] (Chenopodiaceae)  
chardock [see *Brassica kaper* var. *pinnatifida*] (Cruciferae)  
**Chasmanthium latifolium** (Gramineae), 4096, 4105, 4107  
chayote [see *Sechium edule*] (Cucurbitaceae)  
**Chenopodium** sp. (Chenopodiaceae) [pigweed], 3172, 3932, 3977, 4949, 5182, 7894, 8134, 8197, 8199, 9070  
**Chenopodium album** [white goosefoot], 3932, 3977, 4435, 6234, 8122, 8137, 8140, 8196a, 8316, 8887, 9665, 9666, 9669  
**Chenopodium ambrosioides** [Mexican tea], 1398.1, 3977, 8131, 8895  
**Chenopodium berlandieri**, 3977  
**Chenopodium foliosum**, 3977  
**Chenopodium missouriense**, 3977  
cherimoya [see *Annona cherimola*] (Annonaceae)  
Cherokee bean [see *Erythrina herbacea*] (Leguminosae)  
cherry [see *Prunus* sp.] (Rosaceae)  
Barbados [see *Malpighia glabra*] (Malpighiaceae)  
bitter [see *Prunus emarginata*]  
black [see *Prunus serotina*]  
choke [see *Prunus virginiana*]  
Cornelian [see *Cornus mas*] (Cornaceae)  
downy ground [see *Physalis pubescens*] (Solanaceae)  
evergreen [see *Prunus ilicifolia*]  
ground [see *Physalis* sp.]  
pin [see *Prunus pensylvanica*]  
sour [see *Prunus cerasus*]  
Surinam [see *Eugenia uniflora*] (Myrtaceae)  
sweet [see *Prunus avium*]  
cherry laurel [see *Prunus caroliniana*; *Prunus laurocerasus*] (Rosaceae)  
chestnut [see *Castanea* sp.] (Fagaceae)  
American [see *Castanea dentata*]  
Chinese [see *Castanea mollissima*]  
Spanish [see *Castanea sativa*]  
chick pea [see *Cicer arietinum*] (Leguminosae)  
chickweed [see *Stellaria media*] (Caryophyllaceae)  
chicory, common [see *Cichorium intybus*] (Compositae)  
**Chilopsis linearis** (Bignoniaceae), 7058  
**Chimaphila umbellata** (Pyrolaceae) [wintergreen], 8007  
chinaberry [see *Melia azedarach*] (Meliaceae)  
Chinese box orange [see *Severinia buxifolia*] (Rutaceae)  
Chinese cabbage [see *Brassica rapa* 'Pekinensis group'] (Cruciferae)  
Chinese elm [see *Ulmus parvifolia*] (Ulmaceae)  
Chinese mustard [see *Brassica rapa* 'Chinensis group']  
Chinese photinia [see *Photinia serrulata*] (Rosaceae)  
Chinese pine [see *Crassula tetragona*] (Crassulaceae)  
Chinese privet [see *Ligustrum sinense*] (Oleaceae)  
Chinese rice-paper tree [see *Tetrapanax papyriferus*] (Araliaceae)  
Chinese tallow tree [see *Sapium sebiferum*] (Euphorbiaceae)  
chinotto [see *Citrus myrtifolia*] (Rutaceae)  
chinquapin [see *Castanea pumila*] (Fagaceae)  
**Chiococca alba** (Rubiaceae) [milkberry], 2412, 3631, 4358, 7867, 7887, 8007  
**Chiococca pinetorum**, 7887  
*Chiococca racemosa* [see *Chiococca alba*]  
**Chionanthus** sp. (Oleaceae) [fringe tree], 2589  
**Chionanthus pygmaea**, 5223  
**Chionanthus virginicus** [old-man's-beard], 2589, 7778, 7787, 7809, 8140, 8316  
chittamwood [see *Bumelia lanuginosa*] (Sapotaceae)  
**Chloris gayana** (Gramineae) [Rhodes grass], 9666  
**Chloris pluriflora**, 8743  
**Chlorophora tinctoria** (Moraceae) [fustic], 4549  
**Chlorophytum** sp. (Liliaceae) [St. Bernard's lily], 9670, 9672  
**Chlorophytum capense**, 9672  
**Chlorophytum comosum** [spider ivy], 9670  
*Chlorophytum elatum* [see *Chlorophytum capense*]  
chocolate weed [see *Melochia corchorifolia*] (Sterculiaceae)  
cholla [see *Opuntia* sp.] (Cactaceae)  
**Chorizanthe rigida** (Polygonaceae) 7894  
Christmas-berry [see *Lycium carolinianum*] (Solanaceae)  
Christmasbush eupatorium [see *Eupatorium odoratum*]

- (Compositae)  
 Christmas cactus [see *Schlumbergera bridgesii*] (Cactaceae)  
**Chrysalidocarpus lutescens** (Palmae) [areca palm], 432.1, 454, 457, 4079, 4647, 4700, 7746, 8146, 8316, 9670  
 chrysanthemum [see *Chrysanthemum* sp.] (Compositae)  
 florist's [see *Chrysanthemum x morifolium*]  
**Chrysanthemum** sp. (Compositae) [chrysanthemum], 3781, 4435, 4949, 5935, 7058, 7059a, 7414, 8131, 8137, 8140, 8393, 8887, 9665, 9666, 9669, 9672, 10915, 11068, 11071  
**Chrysanthemum leucanthemum** [oxeye daisy], 4363, 7071  
**Chrysanthemum x morifolium** [mum; florist's chrysanthemum], 3745, 8890, 8891, 9670, 9699, 10911, 11068  
**Chrysobalanus** sp. (Rosaceae), 7746, 8005  
**Chrysobalanus icaco** [cocoplum], 457, 4673  
*Chrysobalanus oblongifolius* [see *Licania michauxii*] (Rosaceae)  
**Chrysoma pauciflorusculosa** (Compositae), 3126  
**Chrysophyllum oliviforme** (Sapotaceae), 6086, 7834  
**Chrysopsis scabella** (Compositae), 6101  
**Chrysopsis subulata**, 11113, 11178  
 chufa [see *Cyperus esculentus*] (Cyperaceae)  
 chulta [see *Dillenia indica*] (Dilleniaceae)  
**Chysis aurea** (Orchidaceae), 4700?  
 cicely, wolly sweet [see *Osmorhiza claytonii*] (Umbelliferae)  
**Cicer arietinum** (Leguminosae) [chick pea], 5741, 9666, 10663, 11068, 11071  
**Cichorium endivia** (Compositae) [endive], 10664, 11068  
**Cichorium intybus** [common chicory], 10397, 10663, 10942.1  
**Cicuta bulbifera** (Umbelliferae) [water hemlock], 4159a  
**Cicuta maculata** [musquash root], 921, 4159a  
**Cicuta mexicana**, 4159a  
 cigar flower [see *Cuphea platycentra*] (Lythraceae)  
**Cimicifuga racemosa** (Ranunculaceae) [black cohosh], 4363, 4363.1  
**Cinnamomum camphora** (Lauraceae) [camphor tree], 454, 4176, 4181, 4182, 7663, 8658  
**Cinnamomum zeylanicum** [cinnamon], 854.1  
 cinnamon [see *Cinnamomum zeylanicum*] (Lauraceae)  
 cinquefoil [see *Potentilla* sp.] (Rosaceae)  
**Cirsium** sp. (Compositae) [thistle], 1680.1, 2649, 3635, 4386, 4434, 4435, 4481a, 5060, 5944.2, 6109, 8924, 10731, 10915  
**Cirsium arvense** [Canada thistle], 4434, 4435, 6109, 10942.1  
**Cirsium discolor**, 6109  
**Cirsium horridulum** [yellow thistle], 2649, 5944.2, 5946a, 8907  
**Cirsium texanum**, 4435  
**Cirsium vulgare** [bull thistle], 1615, 4435, 6109, 10915  
**Cissus** sp. (Vitaceae) [treebine], 4624, 7851, 7859, 7859.1, 7864, 8228  
**Cissus antarctica** [kangaroo vine], 4624  
**Cissus incisa** [marine ivy], 7866  
**Cissus rhombifolia** [Venezuela treebine], 9665, 9670, 9672  
**Cissus sicyoides** [princess vine], 5162, 7859, 7859.1  
**Citharexylum** sp. (Verbenaceae), 4938  
**Citharexylum berlandieri**, 4938  
**Citharexylum fruticosum** [Florida fiddlewood], 4938, 5240  
**Citharexylum spinosum** [fiddlewood], 4938  
 citrange [see *Citroncirus webberi* 'Swingle'] (Rutaceae)  
 x*Citrofortunella* sp. (Rutaceae) [limequat], 854.1  
 x*Citrofortunella microcarpa* (Rutaceae) [calamondin], 457, 854.1, 3648, 3735, 3740, 3745, 4170, 4647, 7746, 8334, 9672  
 x*Citrofortunella mitis* (Rutaceae) [see *C. microcarpa*]  
 citron [see *Citrus medica*] (Rutaceae)  
**Citroncirus webberi** 'Swingle' (Rutaceae) [citrange], 9670  
**Citrullus** sp. (Cucurbitaceae), 8890, 10664  
**Citrullus lanatus** [watermelon], 4210, 5202, 5204, 5207, 7894, 8131, 8137, 8194, 8887, 9666, 9669, 9672, 10438, 11068  
 citrus seeds, 6022  
**Citrus** sp. (Rutaceae) [citrus], 457, 854.1, 1398.2, 2292, 3633, 4172a, 4175a, 4182?, 4677, 4697, 4700, 5723, 6590, 6967a, 7873, 7911, 8146, 8282, 9665, 9669, 9670, 10154?, 11068  
**Citrus aurantiifolia** [lime], 854.1, 1513, 3745, 4170, 4172a, 7746, 8140  
**Citrus aurantiifolia** 'Swingle' [Key lime], 854.1  
**Citrus aurantiifolia** 'Tahiti' [Persian lime], 854.1  
**Citrus aurantium** [sour orange], 442, 854.1, 4159a, 4172a, 4624, 4700, 7746, 8131, 8146, 9672  
**Citrus jambhiri** [rough lemon], 854.1  
**Citrus latifolia** [seedless lime], 854.1  
**Citrus limetta** [sweet lime], 854.1  
**Citrus limettioides** [sweet lime], 854.1  
**Citrus limon** [lemon], 854.1, 3736, 3745, 4170, 4336, 5591, 8140, 8146, 9666, 9672, 10915  
**Citrus x limonia** [Rangpur lemon; lemandarin], 854.1, 4700  
**Citrus maxima** [pomelo; pummelo; shaddock], 442, 854.1, 4170, 6967a, 9670, 9672  
**Citrus maxima** 'Kao pan' [Siamese pummelo], 854.1  
**Citrus medica** [citron; elephant lemon], 854.1  
**Citrus meyeri** [Meyer lemon], 854.1  
**Citrus myrtifolia** [chinotto], 854.1  
**Citrus nakoora** [Nakoora lemon], 854.1  
**Citrus x nobilis** [tangor], 854.1, 9666  
**Citrus x nobilis** 'Temple' [Temple tangor], 854.1  
**Citrus paradisi** [grapefruit], 457, 854.1, 1513, 3627, 3648, 3740, 3745, 4170, 4647, 4677, 4700, 5591, 5724, 7746, 8131, 8140, 9665, 9666  
**Citrus reticulata** [tangerine; mandarin], 854.1, 4170, 4175a, 8131, 8146  
**Citrus reticulata** 'Owari Satsuma' [satsuma], 854.1  
**Citrus rugulosa**, 854.1  
**Citrus sinensis** [orange; sweet orange], 442, 457, 854.1, 1157, 2292, 3606, 3627, 3648, 3688, 3732, 3736, 3740, 3745, 4170, 4175a, 4435, 4677, 4700, 5591, 5592, 5724, 5935, 6590, 7746, 8131, 8140, 8146, 8540, 9665, 9666, 9672, 10663, 10915  
**Citrus sinensis** 'Sunburst' [sunburst orange], 854.1  
**Citrus sinensis** 'Valencia' [Valencia orange], 854.1  
**Citrus x tangelo** [tangelo], 854.1  
**Citrus x tangelo** 'Minneola' [Minneola tangelo], 854.1  
**Citrus unshui**, 4170  
**Cladium jamaicensis** (Cyperaceae) [saw grass], 4071, 5324?, 8991  
**Cladium mariscoides**, 4070  
**Clarkia** sp. (Onagraceae), 7894  
**Clarkia rhomboidea**, 7855, 7894  
**Cleistocactus** sp. (Cactaceae), 5976.1  
**Clematis** sp. (Ranunculaceae) [clematis], 457, 6966, 8140, 8316  
**Clematis ligusticifolia**, 2622  
**Clematis reticulata**, 6966  
**Clematis virginiana** [woodbine], 2623, 6076  
**Clematis vitalba**, 2623

- Cleome** sp. (Capparidaceae) [spider plant], 4197, 4846, 4847, 9665
- Cleome gynandra** [spider wisp], 4198a, 11068
- Cleome hasslerana** [spiderflower], 4846
- Cleome rufidosperma** [prickly spiderflower], 4198a
- Cleome serrulata**, 4197
- Cleome spinosa**, 4198a, 11071
- Clerodendrum** sp. (Verbenaceae) [glory-bower], 432.1
- Clerodendrum indicum** [tubeflower], 7776?
- Clerodendrum kaempferi**, 5590
- Clethra alnifolia** (Clethraceae) [sweet pepperbush], 6982a, 8129, 8318
- Clidemia** sp. (Melastomaceae), 5158
- climbing hempweed [see *Mikania scandens*] (Compositae)
- Clitoria** sp. (Leguminosae), 3866, 3889
- Clitoria fragrans**, 1524
- Clitoria mariana** [butterfly pea], 1524, 3886, 3902, 3956
- Clitoria ternatea**, 3886
- Clivia** sp. (Amaryllidaceae) [Kaffir lily], 10640
- Clivia miniata**, 10640
- cloth, 405
- clover [see *Trifolium* sp.] (Leguminosae)
- alsike [see *Trifolium hybridum*]
- bush [see *Lepedeza* sp.] (Leguminosae)
- Chinese [see *Lepedeza cuneata*]
- crimson [see *Trifolium incarnatum*]
- hop [see *Trifolium agrarium*]
- Korean [see *Kummerowia stipulacea*] (Leguminosae)
- Mexican [see *Richardsia scabra*] (Rubiaceae)
- owls [see *Orthocarpus* sp.] (Scrophulariaceae)
- prairie [see *Dalea* sp.] (Leguminosae)
- prairie [see *Petalostemum corymbosus*] (Leguminosae)
- red [see *Trifolium pratense*]
- sweet [see *Melilotus* sp.] (Leguminosae)
- toothed bur [see *Medicago hispida*] (Leguminosae)
- white [see *Trifolium repens*]
- white sweet [see *Melilotus alba*]
- yellow sweet [see *Melilotus officinalis*]
- Cnicus benedictus** (Compositae) [blessed thistle], 4435
- Cnidoscolus** sp. (Euphorbiaceae) [tread-softly], 7834
- Cnidoscolus texanus** [Texas bull nettle], 7834, 8130
- coca plant [see *Erythroxylum coca*] (Anacardiaceae)
- coccids [see scale insects]
- Coccoloba diversifolia** (Polygonaceae) [pigeon plum], 4697, 4938, 6082, 6259, 8202
- Coccoloba uvifera** [seagrape], 117, 118, 1639, 4697, 4700, 5247, 5733, 6082, 7746, 8131, 8140, 8202, 9670
- Coccothrinax** sp. (Palmae) [fan palm; silver palm], 4079, 7746
- Coccothrinax argentata** [Florida silver palm], 2857, 3462, 4079
- cocoplum [see *Chrysobalanus icaco*] (Chrysobalanaceae)
- Cocos australis* [see *Butia capitata*] (Palmae)
- Cocos nucifera** (Palmae) [coconut palm], 1414, 1422, 1422.1, 1513, 4079, 4700, 7746, 8517, 9666
- Codiaeum** sp. (Euphorbiaceae) [garden croton], 3745, 4700
- Codiaeum variegatum**, 457, 8146
- Coffea** sp. (Rubiaceae), 2272 (berries), 7846
- Coffea arabica** [coffee], 4700, 9670
- coffee [see *Coffea arabica*] (Rubiaceae)
- wild [see *Psychotria* sp.; *Psychotria nervosa*]
- coffee tree, Kentucky [see *Gymnocladus dioica*] (Leguminosae)
- coffeedweed [see *Cassia occidentalis*] (Leguminosae)
- cogongrass [see *Imperator cylindrica*] (Gramineae)
- cohosh, black [see *Cimicifuga racemosa*] (Ranunculaceae)
- Coleus** sp. (Labiatae) [flame nettle], 4949, 8137, 8887, 9672
- collards [see *Brassica oleracea* 'Acephala group'] (Cruciferae)
- Collinsonia canadensis** (Labiatae), 4363
- Colocasias esculenta** (Araceae) [dasheen; taro], 432.1, 1512, 4115, 9526
- columbine [see *Aquilegia* sp.] (Ranunculaceae)
- wild [see *Aquilegia canadensis*]
- Columnnea** sp. (Gesneriaceae), 9670
- Colutea** sp. (Leguminosae) [bladdersenna], 5744
- colza [see *Brassica napus*] (Cruciferae)
- Comandra umbellata** (Santalaceae), 3693, 3695
- Commelina communis** (Commelinaceae) [common day flower], 9671
- Comocladia** sp. (Anacardiaceae), 7818
- compass plant [see *Silphium laciniatum*] (Compositae)
- Compositae, 6100, 10200, 10304, 11092, 11098, 11099, 11104, 11105, 11107, 11112, 11113, 11114, 11115, 11116, 11120, 11123, 11126, 11132, 11140, 11158, 11173, 11178, 11202
- Comptonia** sp. (Myricaceae) [sweet fern], 2198, 6964, 7137, 9274
- Comptonia peregrina**, 3648, 7784, 8318
- Comptonia peregrina** var. **asplenifolia** [sweet fern], 2274, 4336, 6438, 6594, 6797, 6982a, 7137, 7746, 7810, 10942.1
- coneflower [see *Rudbeckia* sp.] (Compositae)
- purple [see *Echinacea* sp.] (Compositae)
- Conium maculatum** (Umbelliferae) [poison hemlock], 4159a
- Conocarpus erectus** (Combretaceae) [buttonwood], 457, 4647, 7746, 7847 (?), 8974, 8981
- Conringia orientalis** (Cruciferae), 9367, 10670
- Convallaria majalis** (Liliaceae) [lily-of-the-valley], 8316
- Convolvulus** sp. (Convolvulaceae) [bindweed], 466, 6234, 8005, 8137, 9078, 9127, 9666
- Convolvulus arvensis** [field bindweed], 4157
- Convolvulus linearilobus**, 4157
- Convolvulus sepium* [see *Calystegia sepium*] (Convolvulaceae)
- Conyza canadensis** (Compositae), 4193, 4490a, 6186.2, 9669, 10915
- coontie [see *Zamia pumila*] (Zamiaceae)
- Cooperia** sp. (Amaryllidaceae) [rain lily] (sometimes included in *Zephyranthes*), 10640
- copperleaf [see *Acalypha wilkesiana*] (Euphorbiaceae)
- coral bush [see *Jatropha multifida*] (Euphorbiaceae)
- coral plant [see *Manihot utilissima*] (Euphorbiaceae)
- coraltree [see *Erythrina* sp.] (Leguminosae)
- Corchorus capsularis** (Tiliaceae) [jute], 9672
- cordgrass [see *Spartina* sp.] (Gramineae)
- Cordia** sp. (Boraginaceae), 3388, 5290, 7776?, 8270
- Cordia globosa**, 3388
- Cordia sebestena** [geiger tree], 8270
- Cordyline terminalis** (Agavaceae) [good-luck plant; ti plant], 432.1, 4700, 9671, 9672
- Coreopsis** sp. (Compositae) [tickseed], 3212, 5935, 7058
- Coreopsis auriculata**, 6486
- Coreopsis grandiflora**, 6486
- corn [see *Zea mays*] (Gramineae)
- kafir [see *Sorghum bicolor* 'Caffrorum group'] (Gramineae)
- Cornelian cherry [see *Cornus mas*] (Cornaceae)

- Cornus** sp. (Cornaceae) [dogwood], 454, 457, 2547, 3377, 3635, 3637, 3648, 4665, 4677, 4698, 4699, 4700, 6743, 6837, 7704, 7985, 8140, 8318, 8695
- Cornus acerifolium**, 4363
- Cornus alternifolia** [pagoda dogwood], 3637, 4363, 4363.1, 6798, 8140, 8316, 8694
- Cornus amomum**, 4363, 4363.1
- Cornus asperifolia**, 594
- Cornus drummondii**, 8140
- Cornus florida** [flowering dogwood], 2549, 4363, 6240, 6254, 6660, 6838, 6966, 7701, 7746, 7994, 8007, 8010, 8140, 8316, 8318, 8857
- Cornus foemina**, 4363, 4363.1
- Cornus mas** [Cornelian cherry], 9200
- Cornus racemosa** [panicled dogwood], 2314a, 4363, 4363.1
- Cornus sericea** [red-osier dogwood], 3635, 4363, 4363.1, 6838, 8318, 8443
- Cornus stolonifera* [see *Cornus sericea*]
- Coronilla** sp. (Leguminosae), 4210
- Coronilla varia**, 3959
- Cortaderia selloana** (Gramineae) [pampas grass], 5475, 8217, 8743, 10438
- Corylus** sp. (Betulaceae) [hazelnut], 957, 2281, 2287, 2549, 2817, 3635, 3637, 5277, 7009, 7663, 7701, 7716, 7730, 7746, 7821, 7824, 7825, 7902, 7994, 8203, 8316, 9255
- Corylus americana** [American hazelnut], 46, 1030, 6660, 7757, 7767, 7902, 8007, 8140, 8203, 8316, 8318, 8698
- Corylus avellana** [European hazelnut], 7746, 7902
- Corylus cornuta** [beaked hazelnut], 7767, 8203, 8318, 8698
- Cosmos** sp. (Compositae), 4949, 8895
- Cosmos bipinnatus**, 4159a, 9669
- Cotinus cogggyria** (Anacardiaceae) [smoke tree], 8140, 8316
- Cotoneaster** sp. (Rosaceae), 3426, 5651
- cotton [see *Gossypium* sp.] (Malvaceae)
- Arizona wild [see *Gossypium thurberi*]
- Levant [see *Gossypium herbaceum*]
- sea-island [see *Gossypium barbadense*]
- upland [see *Gossypium hirsutum*]
- wild [see *Hibiscus moscheutos*]
- cotton-rose [see *Hibiscus mutabilis*] (Malvaceae)
- cottonwood [see *Populus deltoides*] (Salicaceae)
- black [see *Populus trichocarpa*]
- Fremont [see *Populus fremontii*]
- swamp [see *Populus heterophylla*]
- council tree [see *Ficus altissima*] (Moraceae)
- courbaril [see *Hymenaea courbaril*] (Leguminosae)
- cowbane [see *Oxypolis filiformis*] (Umbelliferae)
- cowberry [see *Vaccinium vitis-idaea*] (Ericaceae)
- cow parsnip [see *Heracleum* sp.] (Umbelliferae)
- cowpea [see *Vigna* sp.] (Leguminosae)
- common [see *Vigna unguiculata*]
- coyotillo [see *Karwinskia humboldtiana*] (Rhamnaceae)
- crab apple, wild [see *Malus angustifolia*] (Rosaceae)
- crabwood [see *Carapa* sp.] (Meliaceae)
- Cracca ambigua** (Leguminosae), 3909
- cranberry [see *Vaccinium macrocarpon*] (Ericaceae)
- Florida [see *Hibiscus sabdariffa*] (Malvaceae)
- cranberry bush [see *Viburnum opulus*] (Caprifoliaceae)
- cranesbill [see *Geranium* sp.] (Geraniaceae)
- wild [see *Geranium maculatum*]
- crape myrtle [see *Lagerstroemia indica*] (Lythraceae)
- Florida [see *Hibiscus sabdariffa*] (Malvaceae)
- Crassula arborescens** (Crassulaceae) [silver jade plant], 9670
- Crassula argentea** [jade plant], 432.1, 4432, 9669, 9670
- Crassula tetragona** [miniature pine tree; Chinese pine], 3745
- Crataegus** sp. (Rosaceae) [hawthorn], 442, 457, 2315, 2701?, 2863, 2906, 3274, 3428, 3492, 3614, 3635, 3695, 3748, 4176, 4249?, 4281?, 4282b, 4285, 4331b, 4335?, 4522a, 4523a, 5651, 5806, 6258, 6658, 6660, 6667, 6668, 6720, 6763, 6797, 6798, 7009, 7048, 7390, 7686, 7698, 7701, 7704, 7757, 7824, 7825, 7853, 7870, 7902, 7907, 7968?, 7998, 8007, 8010, 8140, 8316, 8318, 8855, 8856, 8858, 8859, 8860, 8863, 8864, 8865, 8869, 8872, 8875, 9062, 9200, 9203, 9237, 9257, 9638, 9887
- Crataegus aestivalis** [may haw], 3492
- Crataegus apiifolia**, 4336
- Crataegus calpodendron** [blackthorn], 7767
- Crataegus crus-galli** [cockspur], 7767, 8865
- Crataegus douglasii**, 7824
- Crataegus laevigata** [English hawthorn], 457, 4335?, 6258, 6299, 7767, 8007, 8010, 8012
- Crataegus marshallii**, 4336
- Crataegus pedicillata**, 4336, 7767
- Crataegus pruinosa**, 4285b
- creambush [see *Holodiscus discolor*] (Rosaceae)
- creeper, Mexican [see *Antigonon leptopus*] (Polygonaceae)
- Virginia [see *Parthenocissus quinquefolia*] (Vitaceae)
- Crepis** sp. (Compositae), 8887
- Crepis japonica**, 8129, 8887
- Crescentia cujete** (Bignoniaceae) [calabash tree], 5564
- cress, penny [see *Thlaspi arvensi*] (Cruciferae)
- winter [see *Barbarea vulgaris*] (Cruciferae)
- yellow [see *Rorippa palustris fernaldiana*] (Cruciferae)
- Crinum** sp. (Liliaceae) [swamp lily], 10640
- Crinum americanum** [southern swamp lily], 10640
- Crinum erubescens**, 10640
- Crinum jagus**, 10640
- Crinum moorei**, 10640
- Crinum powellii**, 10640
- Crossopetalum ilicifolium** (Celastraceae), 8286
- crotalaria [see *Crotalaria* sp.] (Leguminosae)
- low [see *Crotalaria pumila*]
- Crotalaria** sp. (Leguminosae) [crotalaria], 4356a, 5744, 8106, 8131, 8658
- Crotalaria agatiflora**, 4228a
- Crotalaria grantiana**, 8106
- Crotalaria incana**, 4356a, 8106
- Crotalaria lanceolata**, 8106
- Crotalaria maritima**, 8105
- Crotalaria mucronata** [rattle box], 5744, 8105, 8106
- Crotalaria pumila** [low crotalaria], 2219
- Crotalaria sagittalis**, 3959, 4325, 4363, 8106, 11068
- Crotalaria spectabilis**, 5744, 8105, 8106, 8129
- Crotalaria striata**, 5726, 5744, 8106
- Crotalaria verrucosa**, 4359
- croton, garden [see *Codiaeum* sp.] (Euphorbiaceae)
- wild [see *Croton* sp.]
- Croton** sp. (Euphorbiaceae) [wild croton], 4299, 4343a, 6967a, 8130
- Croton capitatum**, 4336, 4554, 9666
- Croton discolor**, 4343
- Croton glandulosus**, 9672
- Croton humilis**, 4553
- Croton linearis**, 4299, 4343, 4553, 4554
- Croton monanthogynus**, 4554
- Croton punctatus**, 2231
- Croton soliman**, 4553

- Croton texensis**, 4554  
 crown-of-thorns [see *Euphorbia milii* var. *splendens*] (Euphorbiaceae)  
 crownbeard [see *Verbesina* sp.] (Compositae)  
**Cryptanthus angustifolia** (Boraginaceae), 4435  
 cryptanthus, pink [see *Cryptanthus bromelioides*] (Bromeliaceae)  
**Cryptanthus** sp. (Bromeliaceae) [earth star], 432.1  
**Cryptanthus bromelioides** [pink cryptanthus], 432.1  
**Cryptostegia grandiflora** (Periplocaceae) [rubber vine], 8284  
**Cryptotaenia canadensis** (Umbelliferae), 4159a  
**Ctenanthe oppenheimiana** (Marantaceae), 4115  
 Cuban pine [see *Pinus caribaea*] (Pinaceae)  
 cucumber [see *Cucumis sativus*] (Cucurbitaceae)  
 wild [see *Echinocystis lobata*] (Cucurbitaceae)  
 cucumber tree [see *Magnolia acuminata*] (Magnoliaceae)  
**Cucumis** sp. (Cucurbitaceae) [melon], 5202, 5204, 7716  
**Cucumis melo** [melon], 4435, 5202, 5204, 7894, 8131, 8137, 8887, 10670, 10664, 10676, 10805, 11068  
**Cucumis sativus** [cucumber], 5202, 5204, 8887, 9666, 9669, 10438, 10663, 10674, 10805, 10915, 11068  
**Cucurbita** sp. (Cucurbitaceae), 2536, 5202, 5204, 5207, 8131, 9669, 10664, 10915  
**Cucurbita maxima** [pumpkin], 2536, 5202, 5204, 5207, 8137, 8887, 9672, 10663, 10674, 10805, 11068  
**Cucurbita medullosa**, 5404  
**Cucurbita moschata** [pumpkin], 5202, 5204  
**Cucurbita okeechobeensis** [Okeechobee gourd], 8131  
**Cucurbita pepo** [squash], 5202, 5204, 8137, 9672, 11068  
 cudweed [see *Gnaphalium falcatum*] (Compositae)  
 purple [see *Gnaphalium purpureum*]  
 rabbit-tobacco [see *Gnaphalium obtusifolium*]  
**Cupaniopsis anacardioides** (Sapindaceae) [carrot wood tree], 8556  
**Cuphea** sp. (Lythraceae), 9030  
**Cuphea platycentra** [cigar flower], 8140  
 cup plant [see *Silphium perfoliatum*] (Compositae)  
**Cupressus** sp. (Cupressaceae) [cypress], 454, 8140, 8313, 8316  
**Cupressus forbesii** [Tecate cypress], 4318a, 6362  
**Cupressus macnabiana** [MacNab cypress], 4318a  
**Cupressus sargentii** [sargent cypress], 4318a  
**Cupressus sempervirens** [Italian cypress], 9670  
 currant [see *Ribes* sp.] (Saxifragaceae)  
 American black [see *Ribes americanum*]  
 bristly black [see *Ribes lacustre*]  
 common [see *Ribes sativum*]  
 European black [see *Ribes nigrum*]  
 golden [see *Ribes aureum*]  
 Indian [see *Symphoricarpos orbiculatus*] (Caprifoliaceae)  
 red [see *Ribes rubrum*]  
 curry leaf [see *Murraya koenigii*] (Rutaceae)  
 curuba [see *Sicana odorifera*] (Cucurbitaceae)  
**Cuscuta californica** (Convolvulaceae), 3781  
 custard apple [see *Annona* sp.] (Annonaceae)  
**Cyamopsis** sp. (Leguminosae), 2284  
 cycad [see *Cycas* sp.] (Cycadaceae)  
**Cycas** sp. (Cycadaceae) [cycad], 4268a, 8146  
**Cycas cairnsiana**, 4268a  
**Cycas circinalis**, 432.1  
**Cycas revoluta** [sago palm], 432.1, 1422, 4268a, 4700  
**Cydonia** sp. (Rosaceae) [quince], 4522a  
**Cydonia oblonga** [common quince], 457, 2281, 2549, 3426, 3492, 3648, 4176, 4522a, 5651, 5723, 6258, 7698, 7757, 7902, 8140, 8316  
**Cymbalaria muralis** (Scrophulariaceae), 4440  
**Cynanchum angustifolium** (Asclepiadaceae), 4615a, 7837, 8271  
**Cynanchum scoparium**, 8038a  
**Cynanchum undulatum**, 4616  
**Cynanchum unifarium**, 4616  
**Cynara cardunculus** (Compositae), 6109  
**Cynara scolymus** [artichoke], 4435, 5079, 6109, 9720  
**Cynodon dactylon** (Gramineae) [Bermuda grass], 4010, 4013, 4045, 4049, 4105, 4111, 4117, 4575, 5433, 8743, 9665, 9666, 9672, 10438, 10661, 10663  
**Cynodon magenissii**, 9666  
**Cynoglossum** sp. (Boraginaceae) [hound's tongue], 4447?  
**Cynoglossum officinale**, 4336  
**Cynoglossum virginianum**, 1003  
 Cyperaceae, 4076?  
**Cyperus** sp. (Cyperaceae) [sedge], 1474, 2707, 4078a  
**Cyperus esculentus** [chufa], 2346, 5896  
**Cyperus papyrus** [papyrus], 5475  
**Cyperus rotundus**, 2346, 9666  
**Cyphomandra betacea** (Solanaceae) [tomato tree], 8890  
 cypress [see *Cupressus* sp.] (Cupressaceae); [see *Taxodium* sp.] (Taxodiaceae)  
 bald [see *Taxodium distichum*]  
 Italian [see *Cupressus sempervirens*] (Cupressaceae)  
 MacNab [see *Cupressus macnabiana*]  
 summer [see *Kochia scoparia*] (Chenopodiaceae)  
 Tecate [see *Cupressus forbesii*]  
 cypress vine [see *Ipomoea quamoclit*] (Convolvulaceae)  
**Cypripedium** sp. (Orchidaceae) [lady's slipper], 3720  
**Cyrilla racemiflora** (Cyrillaceae) [titi], 4325a, 4326a  
**Cyrtomium** sp. (Polypodiaceae), 9630  
**Cyrtomium falcatum** (Polypodiaceae), 9630  
**Cyrtopodium punctatum** (Orchidaceae) [cowhorn orchid], 4700?  
**Cytisus** sp. (Leguminosae) [broom], 4209, 6570, 6597  
**Cytisus nigricans**, 4958a  
**Cytisus scoparius** [scotch broom], 8137  
**Dactylis glomerata** (Gramineae) [orchard grass], 4578, 10438, 10444, 10457, 10463  
**Dactyloctenium aegyptium** (Gramineae), 4576a, 9666  
 daffodil [see *Narcissus* sp.] (Amaryllidaceae)  
 winter [see *Sternbergia lutea*] (Amaryllidaceae)  
**Dahlia** sp. (Compositae) [dahlia], 432.1, 4949, 5935  
**Dahlia pinnata**, 8131, 8137, 9520, 9666, 11068  
 dahoon [see *Ilex cassine*] (Aquifoliaceae)  
 daisy, African [see *Gerbera jamesonii*] (Compositae)  
 oxeye [see *Chrysanthemum leucanthemum*] (Compositae)  
 Transvaal [see *Gerbera jamesonii*]  
**Dalbergia ecastophyllum** (Leguminosae), 4233a, 5211, 7746, 8146  
**Dalbergia sissoo** [sissoo], 854.1, 7746, 8658  
**Dalea** sp. (Leguminosae) [prairie clover], 6584  
**Dalea alba**, 4224  
**Dalea corymbosus**, 6584  
**Dalea frutescens**, 4224  
**Dalea pinnata**, 1617  
**Dalea pogonathera**, 4224  
**Dalea purpurea**, 4224  
**Dalechampia** sp. (Euphorbiaceae), 4542.1a?  
 dandelion [see *Taraxacum* sp.] (Compositae)  
 common [see *Tanaxacum officinale*]  
 false [see *Pyrrhopappus carolinianus*] (Compositae)

- dangleberry [see *Gaylussacia frondosa*] (Ericaceae)  
 dasheen [see *Colocasias esculenta*] (Araceae)  
**Dasistoma macrophylla** (Scrophulariaceae) [wild fox glove], 11065  
 date plum [see *Diospyros lotus*] (Ebenaceae)  
 dates, 5723, 5724  
**Datura** sp. (Solanaceae) [thorn apple], 7775  
*Datura arborea* [see *Brugmansia arborea*] (Solanaceae)  
*Datura candida* [see *Brugmansia x candida*] (Solanaceae)  
**Datura halimifolium** (Solanaceae), 7776  
**Datura stramonium** [common thorn apple], 3745, 7771, 7775, 9669, 9670, 10915, 11068  
**Daucus carota** (Umbelliferae) [Queen Anne's lace], 4159a, 8465, 8887, 10444, 10663, 10664  
**Daucus carota** var. **sativus** [carrot], 4159a, 8131, 8137, 8924, 9672, 10438, 10805, 10915, 10942.1  
**Davallia** sp. (Polypodiaceae), 9630  
 dayflower, common [see *Commelina communis*] (Commelinaceae)  
 day jessamine [see *Cestrum diurnum*] (Solanaceae)  
 day lily [see *Heimerocallis* sp.] (Liliaceae)  
**Decodon** sp. (Lythraceae) [waterwillow], 7884  
**Decodon verticillatus**, 7767, 7884, 9299  
 deerberry [see *Vaccinium stamineum*] (Ericaceae)  
 deerbush [see *Ceanothus integerrimus*] (Rhamnaceae)  
**Delonix regia** (Leguminosae) [royal poinciana], 8610, 9672  
**Delphinium** sp. (Ranunculaceae) [larkspur], 8131, 8140, 10731, 11063  
**Dendrobium nobile** (Orchidaceae), 4700?  
**Dendrobium phalaenopsis**, 8146  
**Dentaria diphylla** (Cruciferae), 4197, 4207  
**Dentaria heterophylla**, 4207  
**Dentaria laciniata**, 4207  
**Derris elliptica** (Leguminosae) [derris], 3868a, 3872  
**Descurainia pinnata**, 4192  
**Descurainia richardsonii incisa** (Cruciferae), 10731  
**Descurainia sophia**, 4192, 4197  
 desert rose [see *Adenium obesum*] (Apocynaceae)  
**Desmanthus** sp. (Leguminosae), 4237  
**Desmanthus visgatus**, 4238  
**Desmodium** sp. (Leguminosae) [beggarweed], 644, 2627, 3886, 3910, 4239a, 4243, 4356, 4447?, 6142.2, 8465, 11063  
**Desmodium canadense**, 3870, 3904, 3910, 4336  
**Desmodium canescens**, 725, 3886, 4361, 11071  
**Desmodium ciliare**, 3904, 3909  
**Desmodium cuspidatum**, 3904  
**Desmodium glabellum**, 3870, 3904, 3910  
**Desmodium gyroides**, 2284  
**Desmodium heterocarpon**, 5287  
**Desmodium incanum**, 3886, 3889, 3909  
**Desmodium lineatum**, 6142.2  
**Desmodium marilandicum**, 3870, 4361  
**Desmodium neomexicana**, 3870, 3886  
**Desmodium nudiflorum**, 3870, 3904, 3910, 4336  
**Desmodium nuttallii**, 3904  
**Desmodium paniculatum**, 725, 3870, 3904, 3909, 3910, 4447?, 10731  
**Desmodium purpurea**, 3886  
**Desmodium rigidum**, 4361  
**Desmodium rotundifolium**, 3870, 3904, 3909, 3910  
**Desmodium strictum**, 11071  
**Desmodium tortuosum**, 843, 2627, 3886, 3889, 5212, 11068, 11071  
**Desmodium viridiflorum**, 3886  
 detritus, 315, 324, 325, 329, 333, 335, 390, 392, 400, 409, 411, 414, 415, 422, 423, 424, 426, 426.1, 430, 432.1, 433.1, 5517, 5518  
 devil's potato [see *Echites umbellata*] (Apocynaceae)  
 devil's walking stick [see *Aralia spinosa*] (Araliaceae)  
 devilwood [see *Osmanthus americanus*] (Oleaceae)  
 dewberry [see *Rubus* sp.] (Rosaceae)  
 American [see *Rubus flagellaris*] (Rosaceae)  
**Dianthus** sp. (Caryophyllaceae), 7071, 9669, 9672, 11071  
**Dianthus barbatus** [sweet william], 10915  
**Dianthus caryophyllus** [carnation], 3745, 8129, 8887, 10915, 11068, 11071  
**Dicerandra frutescens** (Labiatae), 5050  
**Dichantelium clandestinum** (Gramineae), 1072, 2493, 4041, 4047  
**Dichantelium oligosanthos** var. **scribnerianum**, 11068  
**Dichondra carolinensis** (Convolvulaceae) [lawn leaf], 6154  
**Dichorisandra musaica** (Commelinaceae), 9669  
**Dichorisandra thyrsiflora**, 3599, 9670  
**Dicliptera** sp. (Acanthaceae), 4476a, 4478  
**Dicliptera assurgens**, 4478  
**Dicliptera brachiata**, 4476  
**Dictamnus** sp. (Rutaceae) [gas plant], 4170  
**Dictamnus albus**, 4159a, 4170  
**Dictyosperma album** (Palmae) [common princess palm], 4700  
**Dieffenbachia** sp. (Araceae) [dumb cane], 8146, 9665, 9670  
**Dieffenbachia amoena**, 9670  
**Dieffenbachia maculata** [spotted dumb cane], 9670  
**Diervilla lonicera** (Caprifoliaceae) [bush honeysuckle], 7809, 7855, 8318, 9286  
**Dietes vegeta** (Iridaceae) [African iris], 457  
**Digitalis** sp. (Scrophulariaceae) [foxglove], 4440, 9669  
**Digitaria** sp. (Gramineae) [crabgrass], 5896, 8401, 8745  
**Digitaria decumbens** [Pangola grass], 8743, 10663  
**Digitaria filiformis**, 4041  
**Digitaria ischaemum**, 8465, 9044, 9666, 9672, 11068  
**Digitaria sanguinalis**, 3996, 4013, 4046, 4049, 4576a, 8465, 8743, 9666, 9672, 10304, 10438, 10454, 10911  
 dill [see *Anethum graveolens*] (Umbelliferae)  
**Dillenia indica** (Dilleniaceae) [chulta], 8131  
 dilly, wild [see *Manilkara bahamensis*] (Sapotaceae)  
**Dimorphotheca** sp. (Compositae) [Cape marigold], 4949  
**Diodia teres** (Rubiaceae), 7890, 7894, 9670  
**Dioscorea** sp. (Dioscoreaceae) [yam], 432.1, 9672  
**Diospyros** sp. (Ebenaceae) [persimmon], 2674, 4326a, 4647, 4677, 5995, 6478, 6584, 7896a, 8386, 8642  
**Diospyros chinensis**, 8140  
**Diospyros digyna** [black sapote], 2749, 3736, 7951, 8541, 8642  
**Diospyros discolor**, 7704  
*Diospyros ebenaster* [see *Diospyros digyna*]  
*Diospyros japonica* [see *Diospyros lotus*]  
**Diospyros kaki** [Japanese persimmon], 457, 2590, 4677, 7706, 7890, 8010, 8140, 8316, 8642, 9316  
**Diospyros lotus** [date plum], 8007  
**Diospyros texana** [Texas persimmon], 454, 457, 4326, 4336  
**Diospyros virginiana** [common persimmon], 244, 442, 457, 2583, 2590, 2749, 7706, 7758, 7890, 7998, 8010, 8130, 8140, 8301, 8316, 8318, 8527, 8528, 9264, 9286  
**Dipholis salicifolia** (Sapotaceae) [bustic], 5740  
**Dirca** sp. (Thymelaeaceae) [leatherwood], 9286  
**Distichlis spicata** (Gramineae), 4049, 4116?, 4117  
**Dizygotheca elegantissima** (Araliaceae), 3745

- dock [see *Rumex* sp.] (Polygonaceae)  
 curly [see *Rumex crispus*]  
 scamp [see *Rumex verticillatus*]  
 dockmackie [see *Viburnum acerifolium*] (Caprifoliaceae)  
**Dodonaea viscosa** (Sapindaceae), 8598  
 dogbane [see *Apocynum* sp.] (Apocynaceae)  
 common [see *Apocynum androsaemifolium*]  
 dogweed [see *Dyssodia* sp.] (Compositae)  
 dogwood [see *Cornus* sp.] (Cornaceae)  
 flowering [see *Cornus florida*]  
 Jamaica [see *Piscidia piscipula*] (Leguminosae)  
 pagoda [see *Cornus alternifolia*]  
 panicled [see *Cornus racemosa*]  
 red-osier [see *Cornus sericea*]  
**Dolichos** sp. (Leguminosae) [dolichos], 3910, 5741, 5744  
**Dolichos lablab** [hyacinth bean], 5157.1, 6090.1  
*Doryalis* sp. [see *Dovyalis*] (Flacourtiaceae), 5215  
 doveplum [see *Coccoloba diversifolia*] (Polygonaceae)  
**Dovyalis** sp. (Flacourtiaceae)  
**Dovyalis abyssinica**, 5215  
**Dracaena** sp. (Agavaceae), 317, 4700, 8140, 8146  
**Dracaena deremensis**, 4700, 9670, 9672  
**Dracaena fragrans**, 432.1, 4700  
**Dracaena fragrans 'Massangeana'** [cane], 432.1  
**Dracaena marginata**, 432.1, 4700, 8131, 8887, 9669, 9670  
**Dracaena reflexa**, 432.1  
 dragonhead, false [see *Physostegia* sp.] (Labiatae)  
 dragon root [see *Arisaema dracontium*] (Araceae)  
 dragon, water [see *Saururus cernuus*] (Saururaceae)  
 dried fruits, 266, 5723, 6021  
 vegetable products, 6019, 6020, 6022  
**Drosera** sp. (Droseraceae) [sundew], 3745?, 6098  
**Drosera brevifolia** [dwarf sundew], 6098  
**Drosera intermedia**, 6098  
**Drosera rotundifolia** [round-leaved sundew], 10993  
**Drosera tiliformis**, 6098  
**Drynaria quercifolia** (Polypodiaceae) [oak-leaved fern], 9630  
**Drypetes diversifolia** (Euphorbiaceae) [milkbark], 4190a  
**Drypetes lateriflora** [Guiana plum], 4190a, 4953, 4478, 4933  
*Dryopteris thelypteris* [see *Thelypteris palustris*] (Polypodiaceae)  
 duck potato [see *Sagittaria lanceifolia*] (Alismataceae)  
 duckweed [see *Lemna* sp.] (Lemnaceae)  
 dumb cane [see *Dieffenbachia* sp.] (Araceae)  
 spotted [see *Dieffenbachia maculata*]  
**Duranta** sp. (Verbenaceae), 5565  
**Duranta repens** [skyflower], 5554, 5565  
 dwarf poinciana [see *Poinciana pulcherrima*] (Euphorbiaceae)  
**Dyschoriste linearis** (Acanthaceae), 4440  
**Dyssodia** sp. (Compositae) [dogweed], 4224  
**Dyssodia papposa**, 4224, 4248, 8137  
 earth star [see *Cryptanthus* sp.] (Bromeliaceae)  
 ebony [see *Pithecellobium flexicaule*] (Leguminosae)  
 green [see *Jacaranda* sp.] (Bignoniaceae)  
 Texas [see *Pithecellobium flexicaule*] (Leguminosae)  
**Ecastophyllum** sp. (Leguminosae), 3868a  
**Echinacea** sp. (Compositae) [purple coneflower], 5935  
*Echinocactus intertextus* [see *Neolloydia intertextus*] (Cactaceae)  
**Echinochloa crus-galli** (Gramineae) [barnyard grass], 4041, 4111, 4949  
**Echinochloa poiretiana**, 3998  
**Echinocystis** sp. (Cucurbitaceae), 4249 (aphids)  
**Echinocystis lobata** [wild cucumber], 5202, 5204  
**Echinodorus** sp. (Alismataceae) [burhead], 4755  
**Echinophora spinosa** (Umbelliferae), 4159a  
**Echites** sp. (Apocynaceae), 4336, 7835, 7840  
**Echites umbellata**, 7842, 8038a, 8284a  
**Echium** sp. (Boraginaceae) [viper's bugloss], 4434  
**Echium vulgare** [blueweed], 4434, 4435  
**Eclipta prostrata** (Compositae), 5169  
 eel grass [see *Vallisneria neotropicalis*] (Hydrocharitaceae)  
 eggplant [see *Solanum melongena* var. *esculentum*] (Solana-ceae)  
**Eichhornia azurea** (Pontederiaceae) [peacock hyacinth], 5149  
**Eichhornia crassipes** [water hyacinth], 4755, 5149, 5151, 5272, 8131, 9526, 9666, 9669, 9670, 9671, 9672  
 elaeagnus, thorny [see *Elaeagnus pungens*] (Elaeagnaceae)  
**Elaeagnus angustifolia** (Elaeagnaceae) [oleaster], 2257  
**Elaeagnus pungens** [thorny elaeagnus], 7746  
**Elaeis** sp. (Palmae), 5120  
 elder [see *Sambucus* sp.] (Caprifoliaceae)  
 American [see *Sambucus canadensis*]  
 American red [see *Sambucus pubens*]  
 blue [see *Sambucus caerulea*]  
 box [see *Acer negundo*] (Aceraceae)  
 European [see *Sambucus nigra*]  
 marsh [see *Iva frutescens*] (Compositae)  
 Pacific Coast red [see *Sambucus callicarpa*]  
 shore [see *Iva imbricata*]  
**Eleocharis** sp. (Cyperaceae) [spike rush], 4755, 8267  
**Eleocharis vivipara**, 4764  
 elephant bush [see *Portulacaria afra*] (Portulacaceae)  
 elephant lemon [see *Citrus medica*] (Rutaceae)  
 elephant's-ear [see *Enterolobium* sp.; *Enterolobium cyclo-carpum*] (Leguminosae)  
 elephant's-ear plant [see *Alocasia* sp.] (Araceae)  
**Eleusine coracana** (Gramineae) [finger millet], 8991  
**Eleusine indica** [wiregrass], 4049  
**Eleutheranthera ruderalis** (Compositae), 5169  
 elm [see *Ulmus* sp.] (Ulmaceae)  
 American [see *Ulmus americana*]  
 Cedar [see *Ulmus crassifolius*]  
 Chinese [see *Ulmus parvifolia*]  
 English [see *Ulmus procera*]  
 red [see *Ulmus rubra*]  
 rock [see *Ulmus thomasi*]  
 smooth [see *Ulmus carpinifolia*]  
 winged [see *Ulmus alata*]  
**Elodia** sp. (Hydrocharitaceae) [waterweed], 4755  
**Elymus virginicus** (Gramineae) [wild rye grass], 10444  
**Emilia sagittata** (Compositae) [tassel flower], 8131  
**Enallagma latifolia** (Bignoniaceae) [black calabash], 6088  
**Encelia californica** (Compositae), 7140  
**Encephalartos hildebrandtii** (Zamiaceae), 4268a  
**Encephalartos villosus**, 4268a  
**Encyclia tampensis** (Orchidaceae) [butterfly orchid], 4700  
 endive [see *Cichorium endivia*] (Compositae)  
**Entada gigas** (Leguminosae), 4233a  
**Enterolobium** sp. (Leguminosae) [elephant's-ear], 432.1  
**Enterolobium cyclocarpum** [elephant's ear], 5724  
**Epigaea** sp. (Ericaceae), 2198  
**Epilobium** sp. (Onagraceae) [willow weed], 6620, 7330, 7874, 9299  
**Epilobium angustifolium** [fireweed], 8106, 10915

- Epilobium ciliatum**, 7894  
**Epilobium coloratum**, 7873, 9299  
**Epipremnum** sp. (Araceae) [pothos], 4700  
**Epipremnum aureum**, 8131, 8146, 9670  
**Eragrostis** sp. (Gramineae) [love grass], 3995, 4060  
**Eragrostis hypnoides**, 4013  
**Erechtites hieracifolia** (Compositae) [burnweed], 846, 8398  
**Eremocarpus satigerus** (Euphorbiaceae), 4336  
**Eremochloa ophiuroides** (Gramineae) [centipede grass], 4575, 4578, 5274, 10664  
**Erianthus alopecuroides** (Gramineae), 3998, 4048, 4051  
**Erianthus giganteus**, 4052, 9425  
Ericaceae, 5333  
**Erigeron** sp. (Compositae) [fleabane], 3784, 4193, 11117  
**Erigeron canadensis**, 457, 4192, 7058, 8889  
**Erigeron peregrinus**, 4481  
**Erigeron philadelphicus** [fleabane], 11118  
**Erigeron strigosus**, 6120  
**Eriobotrya japonica** (Rosaceae) [loquat], 432.1, 457, 1178, 1513, 3745, 4336, 4647, 4700, 5590, 5621, 5722, 5723, 5739, 6005, 7902, 8005, 8140, 8316, 9669  
**Eriochloa polystachya** (Gramineae) [Carib grass], 5288  
**Eriochloa punctata**, 8743  
**Eriodictyon** sp. (Hydrophyllaceae) [yerba santa], 3648  
**Eriodictyon californicum**, 4435  
**Eriogonum effusum** (Compositae), 4336  
**Eriogonum elatum**, 4336  
**Eriogonum fasciculatum** [wild buckwheat], 7058  
**Eriogonum parvifolium**, 4336  
**Eriogonum tomentosum**, 5584  
**Eriogonum wrightii**, 4363  
**Erithalis fruticosa** (Rubiaceae), 7867  
**Erodium** sp. (Geraniaceae), 8887  
**Erodium cicutarium**, 4248, 8887  
**Eruca sativa** (Cruciferae), 4197, 5170  
**Eryngium** sp. (Umbelliferae) [eryngo], 4435  
eryngo [see *Eryngium* sp.] (Umbelliferae)  
**Erysimum perenne** (Cruciferae), 4197  
**Erythrina** sp. (Leguminosae) [coral tree], 442, 5239  
**Erythrina crista-galli** [cockspur], 5240  
**Erythrina fusca** [swamp immortelle], 5239, 5240  
**Erythrina herbacea** [Cherokee bean], 477, 4363, 4363.1, 4938, 5239, 5240  
*Erythrina indica* [see *Erythrina variegata*]  
**Erythrina tuberosa**, 4363  
**Erythrina variegata**, 432.1, 5239, 5240, 5624  
**Erythronium** sp. (Liliaceae) [adder's tongue], 4363  
**Erythroxylum** sp. (Anacardiaceae), 7818, 7887  
**Erythroxylum coca** [coca plant], 8134  
**Eschscholtzia californica** (Papaveraceae) [California poppy], 8887  
esperanza [see *Tecoma stans*] (Bignoniaceae)  
**Eucalyptus** sp. (Myrtaceae) [gum tree], 4700, 6022  
**Eucalyptus robusta** [swamp mahogany], 3745?  
**Eucalyptus torrelliana**, 8257a  
**Eucharis** sp. (Amaryllidaceae), 10640  
**Eucharis grandiflora** [Amazon lily], 10640  
**Euclasta torquillalis** (Gramineae), 5111  
**Eugenia** sp. (Myrtaceae) [stopper], 454, 2412, 2907, 3606, 3739  
**Eugenia axillaris**, 8585.1  
**Eugenia myrtoides** [boxleaf stopper], 687, 2907, 8257a, 8577  
**Eugenia rhombea**, 235, 687  
**Eugenia uniflora** [Surinam cherry], 3745  
**Euonymus** sp. (Celastraceae) [spindle tree], 2420, 5277  
**Euonymus atropurpurea** [wahoo], 8140, 8316  
**Euonymus japonica** [Japanese spindle tree], 9672  
**Eupatorium** sp. (Compositae) [boneset], 866, 2302, 2608, 2614, 4940, 6168, 6226, 6590, 7058, 8107, 8890, 9466, 10915, 11149  
**Eupatorium ageratoides**, 6078  
**Eupatorium album**, 2608  
**Eupatorium altissimum**, 11149  
**Eupatorium capillifolium**, 2302.4, 3694, 6226, 8010, 8131, 9696  
**Eupatorium coelestinum**, 7058  
**Eupatorium compositifolium**, 3732, 3745, 11149  
**Eupatorium fistulosum**, 11149  
**Eupatorium odoratum**, 7866  
**Eupatorium incarnatum**, 3606?  
**Eupatorium perfoliatum** [common boneset], 2608, 4363, 4363.1, 6362?, 7071, 11149  
**Eupatorium purpureum** [bluestem joe-pye weed], 6234, 7474, 9689, 11147  
**Eupatorium rugosum** [white snakeroot], 457, 8107  
**Eupatorium serotinum** [late eupatorium], 2614, 11149  
**Eupatorium sessilifolium**, 2608, 11149  
**Eupatorium villosum**, 4273  
**Euphorbia** sp. (Euphorbiaceae) [spurge], 2701.1, 7832, 7834, 8131, 8254  
**Euphorbia buxifolia**, 7834  
**Euphorbia colorata**, 9299  
**Euphorbia cotinifolia**, 7834  
**Euphorbia cyathophora**, 2701  
**Euphorbia heterophylla** [wild poinsettia], 2701, 7832, 7834, 8146  
**Euphorbia hirta**, 7832  
**Euphorbia hypericifolia**, 2701.1, 2702.3  
**Euphorbia lactea** [mottled spurge], 7832, 7834  
**Euphorbia longana**, 7746  
**Euphorbia marginata** [ghostweed], 6616  
**Euphorbia milii** var. **splendens** [crown-of-thorns], 7834  
**Euphorbia pulcherrima** [poinsettia], 6966, 7832, 7834, 7907, 8140, 8146  
**Euphorbia tirucalli** [milbush], 7832, 7834  
**Euphorbia trigona** [African milk tree], 7834  
Euphorbiaceae, 7830  
European chain fern [see *Woodwardia radicans*] (Polypodiaceae)  
European horse chestnut [see *Aesculus hippocastanum*] (Hippocastanaceae)  
**Eustoma grandiflorum** (Gentianaceae), 3768.1, 9665  
**Euthamia graminifolia** (Compositae), 3815, 9690  
**Euthamia tenuifolia**, 9690  
everlasting [see *Anaphalis* sp.] (Compositae)  
[see *Antennaria* sp.] (Compositae)  
[see *Helichrysum* sp.] (Compositae)  
pearly [see *Anaphalis margaritacea*]  
**Exacum** sp. (Gentianaceae), 9670  
**Fagopyrum** sp. (Polygonaceae) [buckwheat], 7147, 7894  
**Fagopyrum esculentum** [notch-seeded buckwheat], 9272, 9666, 10805  
**Fagus** sp. (Fagaceae) [beech], 663, 854, 957, 2549, 3539, 3635, 3637, 3720, 4249 (aphids), 4652, 4657, 4665, 4669, 4675, 6258, 6658, 6797, 6798, 6838, 6843, 6888, 6894a, 7428, 7698, 7701, 7746, 7757, 7758, 7764, 7767, 7827, 7902, 7903, 7907, 7915, 7951, 7994, 7998, 7999,



- 8005, 8011, 8012, 8017, 8302, 8316  
**Fagus americana**, 3947  
**Fagus grandifolia** [American beech], 457, 955, 2079, 4522a, 6798, 7701, 7704, 7715, 7902, 7975, 8012, 8140, 8203, 8316, 8318, 9200  
**Fagus sylvatica** [European beech], 457, 7704, 9200  
**Fagus sylvatica 'Cuprea'**, 7902  
**Fagus sylvatica 'Laciniata'**, 457  
**Fagus sylvatica 'Purpurea'**, 7902  
 fairy-washboard [see *Haworthia limifolia*] (Liliaceae)  
 false dandelion [see *Pyrrophappus carolinianus*] (Compositae)  
 false dragonhead [see *Physostegia* sp.] (Labiatae)  
 false indigo [see *Amorpha* sp.] (Leguminosae)  
 false nettle [see *Boehmeria* sp.] (Urticaceae)  
 fanwort [see *Cabomba caroliniana*] (Nymphaeaceae)  
**Faucaria tuberculosa** (Aizoaceae) [tiger-jaws], 3745  
 feijoa [see *Feijoa* sp.] (Myrtaceae)  
**Feijoa** sp. (Myrtaceae) [feijoa], 442, 454, 457  
**Feijoa sellowiana** [pineapple guava], 4700  
 fennel [see *Foeniculum vulgare*] (Umbelliferae)  
 fern, asparagus [see *Asparagus setaceus*] (Liliaceae)  
   bird's nest [see *Asplenium nidus*] (Polypodiaceae)  
   bracken [see *Pteridium* sp.] (Dennstaedtiaceae)  
   brake [see *Pteridium aquilinum* var. *latiusculum*]  
   chain [see *Woodwardia* sp.] (Polypodiaceae)  
   cinnamon [see *Osmunda cinnamomea*] (Osmundaceae)  
   coarse [see *Blechnum* sp.] (Polypodiaceae)  
   common staghorn [see *Platynerium bifurcatum*] (Polypodiaceae)  
   dish [see *Pteris* sp.] (Polypodiaceae)  
   flowering [see *Osmunda* sp.]  
   lace [see *Nephrolepis exaltata* 'whitmanii'] (Polypodiaceae)  
   leatherleaf [see *Polystichum adiantiforme*] (Aspidiaceae)  
   maidenhair [see *Adiantum pedatum*] (Adiantaceae)  
   marsh [see *Thelypteris palustris*] (Polypodiaceae)  
   oak-leaved [see *Drynaria quercifolia*] (Polypodiaceae)  
   polypody [see *Polypodium* sp.] (Polypodiaceae)  
   resurrection [see *Polypodium polypodioides*] (Polypodiaceae)  
   royal [see *Osmunda regalis*]  
   shield [see *Polystichum* sp.]  
   sweet [see *Comptonia* sp.] (Myricaceae)  
     [see *Comptonia peregrina* var. *asplenifolia*]  
   sword [see *Nephrolepis* sp.] (Polypodiaceae)  
   Virginia chain [see *Woodwardia virginica*] (Polypodiaceae)  
 fern-leaf inch plant [see *Tripogandra multiflora*] (Commelinaceae)  
 ferns, 5279, 6803, 6804, 9545, 9630, 9631, 9631?, 9633  
**Festuca rubra** (Gramineae), 4049, 8267  
 fetterbush [see *Leucothoe* sp.] (Ericaceae)  
 fever root [see *Triosteum perfoliatum*] (Caprifoliaceae)  
 fever tree [see *Pinckneya pubens*] (Rubiaceae)  
**Ficus** sp. (Moraceae) [fig], 304, 432.1, 2653.1, 2654, 3492, 4439, 4549, 4550, 4551, 4697, 4700, 5197, 5232, 7841, 8270  
**Ficus altissima** [council tree], 8270  
**Ficus aspera** [clown fig], 4550  
**Ficus aurea** [strangler fig], 2653, 4550, 8131, 8270  
**Ficus auriculata**, 8270  
**Ficus benghalensis** [banyan tree], 4550, 8270  
**Ficus benjamina** [Java fig], 4550, 4647, 8134, 8146, 8270, 9670  
*Ficus brevifolia* [see *Ficus citrifolia*]  
**Ficus carica** [common fig], 4550, 5723, 8140, 8146, 8270, 8316, 8649?  
**Ficus citrifolia** [wild fig], 2655, 4550  
**Ficus cotinifolia**, 8270  
**Ficus elastica** [rubber plant], 432.1, 4647, 4700, 8131, 8270  
**Ficus lyrata** [fiddle-leaf fig], 4647, 8270  
**Ficus macrophylla** [Australian banyan], 3745  
**Ficus neriifolia**, 432.1  
*Ficus nitida* [see *Ficus benjamina*]  
**Ficus padifolia**, 4550  
**Ficus pandurata**, 8130, 8270  
**Ficus perforata** [West Indian laurel fig], 8270  
**Ficus repens**, 8270  
**Ficus retusa**, 4550, 8131, 9669  
**Ficus rubiginosa** [Port Jackson fig], 8270  
**Ficus stahlii**, 5232  
**Ficus wilddemmanniana**, 7704  
 fiddlewood [see *Citharexylum spinosum*] (Verbenaceae)  
   Florida [see *Citharexylum fruticosum*]  
 fig [see *Ficus* sp.] (Moraceae)  
   clown [see *Ficus aspera*]  
   common [see *Ficus carica*]  
   fiddle-leaf [see *Ficus lyrata*]  
   Indian [see *Opuntia ficus-indica*] (Cactaceae)  
   Java [see *Ficus benjamina*]  
   Port Jackson [see *Ficus rubiginosa*]  
   strangler [see *Ficus aurea*]  
   West Indian laurel [see *Ficus perforata*]  
   wild [see *Ficus citrifolia*]  
 figs, dried, 5723, 5724, 6022  
 figwort, California [see *Scrophularia californica*] (Scrophulariaceae)  
**Filago arvensis** (Compositae), 4435  
 fir [see *Abies* sp.] (Pinaceae)  
   alpine [see *Abies lasiocarpa*]  
   balsam [see *Abies balsamea*]  
   Cascade [see *Abies amabilis*]  
   Douglas [see *Pseudotsuga menziesii*] (Pinaceae)  
   Fraser [see *Abies fraseri*]  
   giant [see *Abies grandis*]  
 fire flag [see *Thalia geniculata*] (Marantaceae)  
 firethorn [see *Pyracantha coccinea*] (Rosaceae)  
 fireweed [see *Epilobium angustifolium*] (Onagraceae)  
 fish-poison tree, Florida [see *Piscidia piscipula*] (Leguminosae)  
**Fittonia verschaffeltii** (Acanthaceae) [mosaic plant], 10915  
 flame-of-the-woods [see *Ixora coccinea*] (Rubiaceae)  
 flame vine [see *Pyrostegia ignea*] (Bignoniaceae)  
   Mexican [see *Senecio confusus*] (Compositae)  
 flamingo lily [see *Anthurium andraeanum*] (Araceae)  
**Flaveria linearis** (Compositae), 2614  
 flax [see *Linum* sp.] (Linaceae)  
 fleabane [see *Erigeron* sp.; *E. philadelphicus*] (Compositae)  
   marsh [see *Pluchea odorata*] (Compositae)  
 floating heart [see *Nymphoides* sp.] (Menyanthaceae)  
 Florida arrow root [see *Zamia pumila*] (Zamiaceae)  
 Florida fishpoison-tree [see *Piscidia piscipula*] (Leguminosae)  
 Florida trema [see *Trema micrantha*] (Ulmaceae)  
 flossflower [see *Ageratum* sp.] (Compositae)  
 flower, foliage [see *Phyllanthus angustifolius*] (Euphorbiaceae)  
   pelican [see *Aristolochia grandiflora*] (Aristolochiaceae)  
   tassel [see *Amaranthus caudatus*] (Amaranthaceae)  
 flower-of-an-hour [see *Hibiscus trionum*] (Malvaceae)

- Foeniculum vulgare** (Umbelliferae) [fennel], 2614, 4159a  
**Fomes fomentarius** (fungus), 1068  
**Forchammeria hintonii** (Capparidaceae), 4190a  
 forget-me-not [see *Myosotis* sp.] (Boraginaceae)  
**Fortunella** sp. (Rutaceae) [kumquat], 854.1, 3736, 4700  
**Fortunella crassifolia** [kumquat], 854.1, 4170  
**Fortunella margarita** [oval kumquat], 854.1  
 four o'clock [see *Mirabilis jalapa*] (Nyctaginaceae)  
 foxglove [see *Digitalis* sp.] (Scrophulariaceae)  
   wild [see *Dasistoma macrophylla*] (Scrophulariaceae)  
 fox grape [see *Vitis lambrusca*] (Vitaceae)  
 foxtail [see *Alopecurus* sp.] (Gramineae)  
**Fragaria** sp. (Rosaceae) [strawberry], 2817, 3374, 3377, 3631, 3635, 3658, 3688, 4336, 4435, 4975, 5896, 6743  
**Fragaria chiloensis** [beach strawberry], 6590, 7009, 7094, 7701, 8108, 8129, 8171, 8465, 9272, 9638, 9666, 9672, 10438, 10648, 10663, 10670, 10674, 10676, 10731, 10915, 11068, 11072  
 frangipani [see *Plumeria* sp.] (Apocynaceae)  
**Fraxinus** sp. (Oleaceae) [ash], 2588, 2589, 2694, 3635, 3648, 3716, 3720, 3748, 4176, 4249 (aphids), 4282b, 4285b, 4432, 4677, 5226, 5995, 6258, 6583, 6590, 6652b 6797, 6843, 6964, 7663, 7666, 7686, 7698, 7706, 7746, 7764, 7767, 7778, 7783, 7787, 7802, 7810, 7821, 7824, 7906, 7917, 8108, 8140, 8316, 9200, 9887, 9910, 9257, 9286, 10016, 10021, 10495, 11029  
**Fraxinus americana** [white ash], 457, 2589, 3716, 3720, 4432, 5226, 7787, 7808, 8140, 8203, 8316, 8318  
**Fraxinus berlandieriana** [Mexican ash], 4647  
**Fraxinus caroliniana** [Carolina ash], 2589, 4176, 4677, 7698, 8140  
**Fraxinus excelsior** [European ash], 8140, 8316  
**Fraxinus nigra** [black ash], 3740, 4176, 5226, 6798, 7787, 7809, 8318  
**Fraxinus pennsylvanica** [green ash], 2589, 4176, 5226, 7048  
**Fraxinus profunda**, 8318  
**Fraxinus quadrangulata** [blue ash], 8318  
 fringetree [see *Chionanthus* sp.] (Oleaceae)  
 frogfruit, northern [see *Phyla lanceolata*] (Verbenaceae)  
 fruit mummies, 5623, 5722  
 fuchsia, hardy [see *Fuchsia magellanica* var. *riccartoni*] (Onagraceae)  
**Fuchsia** sp. (Onagraceae) [lady's-eardrops], 7873  
**Fuchsia fulgens**, 8137  
**Fuchsia magellanica** var. *riccartoni* [hardy fuchsia], 7894  
 fungus, 261, 263, 266, 275, 279, 836, 1068, 8499, 8500, 8502?, 8503?, 8504?, 8505?, 8508.1?, 8517?  
 fustic [see *Chlorophora tinctoria*] (Moraceae)  
**Gaillardia** sp. (Compositae) [blanket flower], 9274  
**Gaillardia pulcella**, 11105  
**Galactia** sp. (Leguminosae) [milkpea], 2545?, 7746  
**Galactia elliotii**, 7746  
**Galactia glabella**, 7746  
**Galactia striata**, 3869, 3886, 4356a  
**Galactia volubilis** [milkpea], 4356a  
**Galax urceolata** (Diapensiaceae) [wand flower], 11068  
**Galium** sp. (Rubiaceae) [bedstraw], 7094, 7132, 7159  
 gallberry [see *Ilex glabra*] (Aquifoliaceae)  
**Garberia fruticosa** (Compositae), 11173.1  
**Garberia heterophylla**, 1148  
 gardenia [see *Gardenia* sp.] (Rubiaceae)  
   common [see *Gardenia jasminoides*]  
**Gardenia** sp. (Rubiaceae) [gardenia], 454, 3633, 4700, 7778, 7907, 8129, 8140  
**Gardenia japonica**, 8140  
**Gardenia jasminoides** [common gardenia; Cape jasmine], 3606, 7746, 7802, 7907, 8131, 9669, 9670  
*Gardenia radicans* [see *Gardenia jasminoides*]  
**Gardenia thunbergia**, 9665, 9669, 9670, 9672  
*Gardenia veitchii* [see *Gardenia jasminoides*]  
 garlic [see *Allium sativum*] (Liliaceae)  
 gas plant [see *Dictamnus* sp.] (Rutaceae)  
**Gaura** sp. (Onagraceae), 7874  
**Gaura angustifolia**, 11168  
**Gaura biennis**, 7874, 11168  
**Gaura filipes**, 2534  
**Gaura sinuata**, 11168  
 gayfeather [see *Liatris* sp.] (Compositae)  
**Gaylussacia** sp. (Ericaceae) [huckleberry], 2750, 3504, 3631, 4665, 5591, 5653, 8412  
**Gaylussacia baccata** [black huckleberry], 457, 4326a  
**Gaylussacia dumosa** [dwarf huckleberry], 7137, 7757, 7810  
**Gaylussacia frondosa** [dangleberry], 7137, 7767, 7826, 8318  
**Gayophytum diffusum** (Onagraceae), 7855  
 geiger tree [see *Cordia sebestena*] (Boraginaceae)  
 genip [see *Casasia clusiifolia*] (Rubiaceae)  
*Genipa clusiaefolia* [see *Casasia clusiifolia*] (Rubiaceae)  
**Genista** sp. (Leguminosae) [broom], 6570  
**Genista tinctoria** [Dyer's broom], 4958a  
 gentian, horse [see *Triosteum* sp.] (Caprifoliaceae)  
   rose [see *Sabatia* sp.] (Gentianaceae)  
**Geoffrea decorticans** (Leguminosae), 3957  
 geranium [see *Pelargonium* sp.] (Geraniaceae)  
   house [see *Pelargonium hortorum*]  
   strawberry [see *Saxifraga stolonifera*] (Saxifragaceae)  
**Geranium** sp. (Geraniaceae) [cranesbill], 3614, 3658, 3745, 6590, 6982a, 8129, 8137, 8140, 8887, 8890, 9666, 9669, 9671, 9672, 9699, 10915, 11071  
**Geranium carolinianum**, 8140  
**Geranium maculatum** [wild cranesbill], 8316, 11068, 11071  
**Gerardia** sp. (Scrophulariaceae), 2738, 4440, 6127, 11065  
**Gerardia fasciculata**, 4440, 4442a, 8131  
**Gerardia flava**, 2738  
**Gerardia grandiflora**, 4440  
**Gerardia harperi**, 4440  
**Gerardia homalantha**, 4440  
**Gerardia maritima**, 4440, 4442.1  
**Gerardia purpurea**, 4440, 4442.1  
**Gerardia stictifolia**, 4440, 4442.1  
**Gerardia tenuifolia**, 4440  
**Gerbera** sp. (Compositae), 9665, 9670, 11068  
**Gerbera jamesonii** [Transvaal daisy; African daisy], 3633, 5896, 8887, 9670  
**Geum triflorum** (Rosaceae), 10731  
 ghostweed [see *Euphorbia marginata*] (Euphorbiaceae)  
 giant lead tree [see *Leucaena pulverulenta*] (Leguminosae)  
 ginger, wild [see *Asarum* sp.] (Aristolochiaceae)  
**Ginkgo biloba** (Ginkgoaceae) [maidenhair tree], 5995  
 glasswort [see *Salicornia bigelovi*] (Chenopodiaceae)  
 gladiolus [see *Gladiolus* sp.] (Iridaceae)  
   garden [see *Gladiolus x hortulanus*]  
**Gladiolus** sp. (Iridaceae) [gladiolus], 432.1, 4700?, 4949, 8131, 8887, 9665, 9666, 9669, 9670, 9672, 10663, 11068

- Gladiolus x hortulanus** [garden gladiolus], 11068  
**Gleditsia** sp. (Leguminosae) [honey locust], 3835, 3870, 5808, 6322 7709, 8695, 8769, 8770  
**Gleditsia aquatica**, 2562?, 7685  
**Gleditsia triacanthos** [sweet locust], 457, 5724, 6322, 6386, 6590, 7685, 7704, 7709, 7757, 7767, 7907, 8005, 8007, 8140, 8316, 8318, 8770, 8769, 8874, 10915  
 glory-bower [see *Clerodendrum* sp.] (Verbenaceae)  
 glory bush [see *Tibouchina* sp.] (Melastomaceae)  
 gloxinia [see *Sinningia speciosa*] (Gesneriaceae)  
**Gloxinia** sp. (Gesneriaceae), 432.1, 3745, 9672  
**Glycine** sp. (Leguminosae), 2272, 3886, 3909, 4224, 4237, 4243  
**Glycine max** [soybean], 3886, 4210, 4435, 4949, 4975, 5212, 5287, 5744, 5896, 6021, 6584, 7059, 8131, 8465, 8574, 8890, 8891, 8898, 9666, 9669, 9670, 9672, 11068  
**Glycyrrhiza lepidota** (Leguminosae), 4210, 4336  
**Gnaphalium** sp. (Compositae) [cudweed], 2647, 4434, 4435, 9076, 10304  
**Gnaphalium bicolor**, 2647, 4434  
**Gnaphalium chilense**, 2647  
**Gnaphalium falcatum** [cudweed], 8131  
**Gnaphalium obtusifolium** [rabbit tobacco], 2647, 3627, 4434, 9076  
**Gnaphalium pallusive**, 2647  
**Gnaphalium palustre**, 4434  
**Gnaphalium pensylvanica**, 2647  
**Gnaphalium purpureum** [purple cudweed], 2647, 3745, 4434  
 golden alexander's [see *Zizia aurea*] (Umbelliferae)  
 goldeneye [see *Viguiera* sp.] (Compositae)  
 golden-rain tree [see *Koelreuteria* sp.] (Sapindaceae)  
 goldenrod [see *Solidago* sp.] (Compositae)  
   sweet [see *Solidago odora*]  
 golden shower [see *Cassia fistula*] (Leguminosae)  
**Gonolobus** sp. (Asclepiadaceae) [milkvine], 7837  
**Gonolobus cardinensis**, 4615a  
**Gonolobus palustris**, 5199  
 good-luck plant [see *Cordylone terminalis*] (Agavaceae)  
 gooseberry, English [see *Ribes uva-crispa*] (Saxifragaceae)  
   Otaheite gooseberry [see *Phyllanthus acidus*] (Euphorbiaceae)  
 gooseberry tree [see *Phyllanthus acidus*] (Euphorbiaceae)  
 goosefoot, white [see *Chenopodium album*] (Chenopodiaceae)  
**Gordonia** sp. (Theaceae), 2761  
**Gordonia lasianthus** (Theaceae) [loblolly bay], 2703, 4677, 7757, 8316  
**Gossypium** sp. (Malvaceae) [cotton], 76, 76.1, 457, 1512, 2261, 3732, 3736, 3745, 4435, 4949, 4974, 4975, 5896, 5935, 6005, 8545, 8548, 8762  
**Gossypium barbadense** [sea-island cotton], 76, 7706  
**Gossypium herbaceum** [Levant cotton], 3635, 4210, 4299, 4336, 4435, 6590, 7704, 7706, 7746, 7894, 8131, 8137, 8140, 8199, 8316, 8465, 8528, 8545, 8546a, 8550, 8554, 8574, 8762, 8887, 9264, 9272, 9665, 9666, 9668, 9669, 9671, 9672, 9673, 10661, 10663, 10664, 10731, 10915, 11068, 11071  
**Gossypium hirsutum** [upland cotton], 76, 8887, 11068  
**Gossypium thurberi** [Arizona wild cotton], 582  
**Gouania polygama** (Rhamnaceae) [jaboncillo], 3388  
 gourd [see *Lagenaria* sp.] (Cucurbitaceae)  
   Okeechobee [see *Cucurbita okeechobeensis*] (Cucurbitaceae)  
 grain, 266, 5510, 5634  
 Gramineae [grass], 4036, 4040, 4062, 4063, 4084, 4108, 4114, 5156, 6982a?, 8121, 8137, 8171, 8267, 10438  
 granadilla, purple [see *Passiflora edulis*] (Passifloraceae)  
   yellow [see *Passiflora laurifolia*]  
 grape [see *Vitis* sp.] (Vitaceae)  
   fox [see *Vitis lambrusca*]  
   Muscadine [see *Vitis rotundifolia*]  
   Oregon [see *Mahonia aquifolium*] (Berberidaceae)  
   wild [see *Vitis rufotomentosa*]  
   wine [see *Vitis vinifera*]  
   winter [see *Vitis vulpina*]  
 grapefruit [see *Citrus x paradisi*] (Rutaceae)  
 grass (Gramineae), 340, 343, 347, 350, 353, 366, 367, 368, 371, 372, 373, 374, 381, 383, 450, 451, 2260, 4573a, 4575, 4578b, 5355, 5357, 5362, 5364, 5366, 5367, 5368, 5369, 5372, 5380, 5381, 5393, 5403, 5413, 5418, 5419, 5420, 5423, 5424, 5425, 5426, 5427, 5431, 5435, 5437, 5438, 5439, 5441, 5443, 5447, 5448, 5450, 5450.1, 5451, 5454, 5456, 5460, 5462, 5463, 5464, 5465, 5466, 5467, 5468, 5471, 5478, 5481, 5487, 8334, 8404, 8404.1, 8510?, 8522a?, 8523a?, 8524, 8731, 8738, 8743, 8744, 8746, 8746.1, 9047, 9341, 9367, 9665, 9666, 9669, 9671, 9818, 9819, 9957, 10397, 10430?, 10434?, 10439, 10440, 10444, 10454, 10454.1, 10454.2, 10455, 10456, 10457, 10457.1, 10457.2, 10458, 10460, 10463, 10463.1, 10563, 10585, 10651, 10661, 10663, 10664, 10670, 10674, 10676, 10731, 10805, 10911, 10915, 10942.1, 10950  
 Bahia [see *Paspalum notatum*] (Gramineae)  
 barnyard [see *Echinochloa crus-galli*] (Gramineae)  
 bear [see *Yucca smalliana*] (Agavaceae)  
 bent [see *Agrostis* sp.] (Gramineae)  
 Bermuda [see *Cynodon dactylon*]  
 big bluestem [see *Andropogon gerardii*]  
 blue [see *Poa* sp.]  
 bluestem [see *Andropogon* sp.]  
 canary [see *Phalaris* sp.]  
 Carib [see *Eriochloa polystachya*]  
 centipede [see *Eremochloa ophiuroides*]  
 cogon [see *Imperator cylindrica*]  
 crab [see *Digitaria* sp.]  
 dallis [see *Paspalum dilatatum*]  
 eel [see *Vallisneria neotropicalis*]  
 fountain [see *Pennisetum setaceum*]  
 Guinea [see *Panicum maximum*]  
 Japanese carpet [see *Zoysia matrella*]  
 Johnson [see *Sorghum halepense*]  
 little bluestem [see *Schizachyrium scoparium*]  
 love [see *Eragrostis* sp.]  
 marsh [see marsh grass]  
 millet [see *Setaria* sp.]  
 Napier [see *Pennisetum purpureum*]  
 orchard [see *Dactylis glomerata*]  
 palm [see *Setaria palmifolia*]  
 pampas [see *Cortaderia selloana*]  
 Pangola [see *Digitaria decumbens*]  
 panic [see *Panicum* sp.]  
 Para [see *Panicum purpurascens*]  
 pepper [see *Lepidium* sp.]  
 Rhodes [see *Chloris gayana*]  
 St. Augustine [see *Stenotaphrum secundatum*]  
 saltmeadow [see *Spartina patens*]  
 saw [see *Cladium jamaicensis*]  
 Sudan [see *Sorghum sudanese*]  
 switch [see *Panicum virgatum*]  
 timothy [see *Phleum pratense*]

- wide-bladed marsh [see *Spartina* sp.]  
 wild rye [see *Elymus virginicus*]  
 grasswort, starry [see *Cerastium arvense*] (Caryophyllaceae)  
 greenbrier [see *Smilax* sp.] (Smilacaceae)  
 laurel-leaved [see *Smilax laurifolia*]  
**Grevillea banksii** (Proteaceae), 11071  
**Grevillea robusta** [silk oak], 7746, 7890, 8140, 8146  
**Grewia asiatica** (Tiliaceae), 854.1  
 greybeard [see *Hydrangea quercifolia*] (Hydrangeaceae)  
**Grindelia** sp. (Compositae) [gumweed], 2614  
**Grindelia camporum**, 11072  
**Grindelia squarrosa**, 11072  
**Gronophyllum** sp. (Palmae), 454  
 groundcherry [see *Physalis* sp.] (Solanaceae)  
 downy [see *Physalis pubescens*]  
 groundnut [see *Apios americana*] (Leguminosae)  
 groundsel [see *Senecio* sp.] (Compositae)  
 groundsel bush [see *Baccharis halimifolia*] (Compositae)  
 guaba [see *Inga vera*] (Leguminosae)  
**Guaiacum** sp. (Zygophyllaceae) [lignum-vitae], 3732?  
**Guaiacum angustifolium**, 4235  
**Guaiacum officinale**, 4235  
**Guaiacum sanctum** [lignum-vitae], 4235, 7746  
 guano [see *Ochroma pyramidale*] (Bombacaceae)  
**Guapira discolor** (Nyctaginaceae) [blolly], 1682, 2494  
**Guapira longifolia**, 5267  
**Guapira obtusata**, 1682, 2494  
**Guarea** sp. (Meliaceae) [muskwood], 5705  
 guava, common [see *Psidium guajava*] (Myrtaceae)  
 pineapple [see *Feijoa sellowiana*] (Myrtaceae)  
 purple [see *Psidium littorale* var. *longipes*]  
 yellow strawberry [see *Psidium littorale*]  
 guayacan [see *Porlieria angustifolia*] (Zygophyllaceae)  
 guayule [see *Parthenium argentatum*] (Compositae)  
**Guettarda elliptica** (Rubiaceae) [velvet seed], 478, 8224  
**Guettarda scabra**, 7846.1  
 Guiana plum [see *Drypetes lateriflora*] (Euphorbiaceae)  
 gum, black [see *Nyssa sylvatica*] (Nyssaceae)  
 gumbo limbo [see *Bursera simarouba*] (Bursaceae)  
 gum tree [see *Eucalyptus* sp.] (Myrtaceae)  
 gumweed [see *Grindelia* sp.] (Compositae)  
**Gutierrezia dracunculoides** (Compositae), 7071  
**Gutierrezia microcephala**, 3184  
**Gutierrezia sarothrae**, 9131a, 9887  
**Gutierrezia texana**, 7071  
**Guzmania lingulata** var. **x magnifica** (Bromeliaceae), 432.1  
**Gymnanthes lucida** (Euphorbiaceae), 3424, 4533a  
**Gymnocladus canadensis** (Leguminosae), 7709  
**Gymnocladus dioica** [Kentucky coffee tree], 7709, 8140, 8316, 8318, 8649  
**Gynura aurantiaca** (Compositae) [velvet plant], 4435  
**Gypsophila** sp. (Caryophyllaceae), 8887, 9665, 9672  
**Gypsophila elegans** [baby's-breath], 6022, 9665  
**Gypsophila paniculata**, [baby's-breath], 9665, 9673  
 hackberry [see *Celtis* sp.] (Ulmaceae)  
**Haemanthus** sp. (Amaryllidaceae) [blood lily], 10640  
**Haemanthus fascinator**, 10640  
**Haemanthus multiflorus** (Amaryllidaceae), 9671  
**Halesia** sp. (Styracaceae), 9054  
**Halesia carolina** [wild olive], 6834, 6894a, 7764, 8010  
**Hamamelis** sp. (Hamamelidaceae) [witch hazel], 2701, 2772, 3623, 3653, 4249 (aphids), 4652, 4671, 4685, 7903, 7985, 8641, 9253?, 9255, 9929, 9931  
**Hamamelis virginiana**, 457, 641, 2701, 3257, 4363, 6660, 7698, 7701, 7757, 7902, 7903, 7905, 7906, 7994, 8005, 8140, 8203, 8316, 8318, 8641, 8992, 9248, 9257  
**Haplopappus divaricatus** (Compositae), 6186.2, 11068, 11071  
 hardback [see *Spiraea tomentosa*] (Rosaceae)  
 haw, May [see *Crataegus aestivalis*] (Rosaceae)  
**Haworthia limifolia** (Liliaceae) [fairy-washboard], 3745  
 hawthorn [see *Crataegus* sp.] (Rosaceae)  
 English [see *Crataegus pedicellata*]  
 hay (Gramineae), 2260, 5531  
 hazelnut [see *Corylus* sp.] (Betulaceae)  
 American [see *Corylus americana*]  
 beaked [see *Corylus cornuta*]  
 European [see *Corylus avellana*]  
 heart-leaf [see *Philodendron cordatum*] (Araceae)  
 heartleaf philodendron [see *Philodendron scandens*] (Araceae)  
 heartseed [see *Cardiospermum* sp.] (Sapindaceae)  
**Hedeoma pulegioides** (Labiatae) [American pennyroyal], 8465  
**Hedera helix** (Araliaceae) [English ivy], 3732, 3745, 7196, 8316, 9669, 9672  
**Hedysarum** sp. (Leguminosae), 3904, 8322  
**Hedysarum boreale**, 4209  
**Helenium autumnale** (Compositae), 2600, 4248, 7071  
**Helenium bigelovii**, 4248  
**Helenium pinnatifidum**, 3695  
**Helianthemum** sp. (Cistaceae) [sun rose], 1429  
**Helianthemum corumbosum**, 1429  
**Helianthemum nashii**, 2077.1  
**Helianthus** sp. (Compositae) [sunflower], 3212, 3695, 3732, 3801, 4363, 4434, 4435, 4490a, 4700, 4949, 5935, 7059, 7071, 8131, 8137, 8140, 8146, 8316, 8907, 9466, 9545, 9665, 9669, 9672, 9720, 10674, 10942.1  
**Helianthus agrestis**, 488  
**Helianthus angustifolius** [swamp sunflower], 8011  
**Helianthus annuus** [common sunflower], 4435, 4490, 7059, 7778, 8129, 8137, 8890, 9665, 9720, 9748, 10915  
**Helianthus argophyllus**, 4435  
**Helianthus decapetalus**, 457, 484, 4490, 8146, 11068  
**Helianthus divaricatus**, 4490a  
**Helianthus microcephalus**, 9785  
**Helianthus strumosus**, 4490  
**Helianthus tuberosus** [Jerusalem artichoke], 2298, 4490, 9670, 9720  
**Helichrysum** sp. (Compositae) [everlasting], 4435, 4949  
**Heliconia** sp. (Heliconiaceae) [lobster-claw], 9669  
**Heliopsis** sp. (Compositae) [oxeye], 5935  
**Heliopsis helianthoides**, 2600, 7059  
 heliotrope [see *Heliotropium* sp.] (Boraginaceae)  
**Heliotropium** sp. (Boraginaceae) [heliotrope], 7778  
**Hemerocallis** sp. (Liliaceae) [day lily], 10640  
**Hemigraphis** sp. (Acanthaceae), 9671  
**Hemizonia** sp. (Compositae), 4440  
**Hemizonia congesta**, 11072  
 hemlock [see *Tsuga* sp.] (Pinaceae)  
 eastern [see *Tsuga canadensis*]  
 mountain [see *Tsuga mertensiana*]  
 poison [see *Conium maculatum*] (Umbelliferae)  
 water [see *Cicuta bulbifera*] (Umbelliferae)  
 western [see *Tsuga heterophylla*]  
 hemp, Indian [see *Apocynum cannabinum*] (Apocynaceae)  
 Colorado River [see *Sesbania exaltata*] (Leguminosae)  
 hempweed, climbing [see *Mikania scandens*] (Compositae)

- henbane, black [see *Hyoscyamus niger*] (Solanaceae)  
**Heracleum** sp. (Umbelliferae) [cow parsnip], 9472  
 Hercules' club [see *Zanthoxylum clava-herculis*] (Rutaceae)  
**Herissantia crispa** (Sapindaceae) [bladder mallow], 4336  
**Hernandia sonora** (Hernandiaceae), 8227  
**Hesperis** sp. (Cruciferae) [rocket], 2363  
**Hesperis matronalis**, 4197  
**Heteromeles arbutifolia** (Rosaceae), 4363, 7701  
**Heterotheca subaxillaris** (Compositae), 3186, 8137, 11071, 11115, 11117, 11137  
**Heterotrichum umbellatum** (Melastomaceae), 5158  
 hibiscus [see *Hibiscus* sp.] (Malvaceae)  
   Chinese [see *Hibiscus rosa-sinensis*]  
   kenaf [see *Hibiscus cannabinus*]  
**Hibiscus** sp. (Malvaceae) [hibiscus], 432.1, 2547, 3745, 3966, 4439, 4647, 4697, 4700, 6085, 7746, 8131, 8202, 8465, 8546a, 8574, 9146, 9169, 9299, 9665, 9670, 9671, 10664, 11068  
**Hibiscus cannabinus** [kenaf hibiscus], 8545, 9665  
**Hibiscus coccineus**, 9670  
**Hibiscus denudatus**, 4345  
**Hibiscus elatus**, 7746, 8131  
*Hibiscus esculentus* [see *Abelmoschus esculentus*] (Malvaceae)  
**Hibiscus furcellatus**, 3274, 9670  
**Hibiscus lasiocarpus**, 7746, 9169, 11068  
**Hibiscus militaris** [soldier rose mallow], 9670, 11068  
**Hibiscus moscheutos** [wild cotton], 6084, 6085, 7746, 8545, 8548, 9146, 9670  
**Hibiscus mutabilis** [cotton-rose], 8545, 11071  
**Hibiscus palustris**, 7746  
**Hibiscus rosa-sinensis** [Chinese hibiscus], 3274, 3745, 4700, 7746, 8129, 8131, 8545, 8554, 8574, 9669, 9672, 11068, 11071  
**Hibiscus sabdariffa** [Florida cranberry], 8545  
**Hibiscus syriacus** [rose-of-sharon], 457, 4336, 4700, 7746, 8140, 8316, 9669  
**Hibiscus syriacus 'Alba'**, 8545  
**Hibiscus tiliaceus** [mahoe], 8146, 8545, 9670  
**Hibiscus trionum** [flower-of-an-hour], 8316, 8545, 11068  
**Hibiscus tubiflorus**, 4336  
 hickory [see *Carya* sp.] (Juglandaceae)  
   mockernut [see *Carya tomentosa*]  
   sand [see *Carya pallida*]  
   pignut [see *Carya glabra*]  
   shagbark [see *Carya ovata*]  
   shellbark [see *Carya laciniosa*]  
   water [see *Carya aquatica*]  
**Hippeastrum** sp. (Amaryllidaceae) [Barbados lily], 10640  
**Hippeastrum puniceum**, 10640  
**Hippeastrum vittatum**, 10640  
**Hippocratea volubilis** (Celastraceae), 5711  
**Hippomane mancinella** (Euphorbiaceae), 2702.3  
 hog-peanut [see *Amphicarpa* sp.] (Leguminosae)  
 holly [see *Ilex* sp.] (Aquifoliaceae)  
   American [see *Ilex opaca*]  
   Chinese [see *Ilex cornuta*]  
   Japanese [see *Ilex crenata*]  
   West Indian [see *Leea coccinea*] (Leeaceae)  
 hollyhock [see *Alcea rosea*] (Malvaceae)  
**Holodiscus discolor** (Rosaceae) [creambush], 4363, 10495  
**Holodiscus dumosus**, 4363  
 Homoptera, 4701  
 honeycomb, 6007  
 honeysuckle [see *Lonicera* sp.] (Caprifoliaceae)  
   bush [see *Diervilla lonicera*] (Caprifoliaceae)  
   Cape [see *Tecomaria capensis*] (Bignoniaceae)  
   Japanese [see *Lonicera japonica*]  
   Tatarian [see *Lonicera tatarica*]  
   trumpet [see *Lonicera sempervirens*]  
 hop [see *Humulus* sp.] (Cannabidaceae)  
   common [see *Humulus lupulus*]  
 hop hornbeam [see *Ostrya* sp.] (Betulaceae)  
   American [see *Ostrya virginiana*]  
 hop tree [see *Ptelea* sp.] (Rutaceae)  
**Hordeum vulgare** (Gramineae) [barley], 4949, 9666, 10438, 10454, 10731, 10942.1  
 hormigo [see *Triplaris* sp.] (Polygonaceae)  
 hornbeam [see *Carpinus* sp.] (Betulaceae)  
   American [see *Carpinus caroliniana*]  
 horse brier [see *Smilax rotundifolia*] (Smilacaceae)  
 horse chestnut [see *Aesculus* sp.] (Hippocastanaceae)  
   European [see *Aesculus hippocastanum*]  
 horse gentian [see *Triosteum* sp.] (Caprifoliaceae)  
 horsemint [see *Monarda* sp.] (Labiatae)  
 horse nettle [see *Solanum carolinense*] (Solanaceae)  
 horseradish [see *Armoracia rusticans*] (Cruciferae)  
 horsetail tree [see *Casuarina equisetifolia*] (Casuarinaceae)  
*Hosackia* sp. [see *Lotus* sp.] (Leguminosae)  
 hound's tongue [see *Cynoglossum* sp.] (Boraginaceae)  
**Howea forsterana** (Palmae) [sentry palm], 432.1  
**Hoya** sp. (Asclepiadaceae) [wax vine], 4157  
 huamuchil [see *Pithecellobium dulce*] (Leguminosae)  
 huckleberry [see *Gaylussacia* sp.] (Ericaceae)  
   black [see *Gaylussacia baccata*]  
   dwarf [see *Gaylussacia dumosa*]  
   sugar [see *Vaccinium vacillans*] (Ericaceae)  
**Hudsonia tomentosa** (Cistaceae), 2077.1  
**Humulus** sp. (Cannabidaceae) [hop], 4949  
**Humulus lupulus** [common hop], 457, 4176, 4335?, 4336, 4363, 4363.1, 4420, 4421, 4432a, 4437a, 6584, 7009, 7746, 7758, 7767, 8316, 8461, 8897, 9301, 10915  
 hyacinth [see *Hyacinthus orientalis*] (Liliaceae)  
   peacock [see *Eichhornia azurea*] (Pontederiaceae)  
   water [see *Eichhornia crassipes*]  
 hyacinth bean [see *Dolichos lablab* (also *Lablab purpureus*)] (Leguminosae)  
**Hyacinthus orientalis** (Liliaceae) [hyacinth], 8137  
**Hybanthus verticillatus** (Violaceae), 4447  
 hydrangea [see *Hydrangea* sp.] (Saxifragaceae)  
   wild [see *Hydrangea arborescens*]  
**Hydrangea** sp. (Saxifragaceae) [hydrangea], 4700, 8131  
**Hydrangea arborescens** [wild hydrangea], 7884  
**Hydrangea paniculata**, 8140  
**Hydrangea quercifolia** [greybeard], 5272  
**Hydrilla verticillata** (Hydrocharitaceae) [hydrilla], 4755, 4765  
**Hydrochloa** sp. (Gramineae), 4755?  
**Hydrocotyle** sp. (Umbelliferae) [water pennywort], 3695, 4755, 5272, 9672  
**Hydrocotyle ranunculoides**, 5272, 9672  
**Hydrocotyle umbellata**, 4159a, 8886, 9672  
**Hygrophila** sp. (Acanthaceae), 4755  
**Hymenachne amplexicaule** (Gramineae), 4119  
**Hymenaea courbaril** (Leguminosae) [courbaril], 5722  
**Hymenocallis** sp. (Amaryllidaceae) [spider lily], 10640  
**Hymenocallis calathina**, 10640  
**Hymenocallis caroliniana**, 10640  
**Hymenocallis keyensis**, 10640  
**Hymenocallis latifolia**, 10640

**Hymenocallis rotata**, 10640

**Hyophorbe lagenicaulis** (Palmae) [bottle palm], 4079

**Hyoscyamus niger** (Solanaceae) [black henbane], 11068

**Hypelate paniculata** (Sapindaceae), 4673

**Hypericum** (Guttiferae) [St. John's wort], 3635, 3695, 4335?, 4336, 6837, 6838, 8689, 8743

**Hypericum aureum**, 4336

**Hypericum edisonianum**, 1823

**Hypericum myrtifolium**, 6838

**Hypericum perforatum**, 9582

**Hyptis capitata** (Labiatae), 5049, 5050

**Hyptis emoryi** [desert lavender], 4336

**Hyptis rugosa**, 1512, 5049

hyssop, water [see *Bacopa* sp.] (Scrophulariaceae)

ice plant [see *Mesembryanthemum crystallinum*] (Aizoaceae)

ilama [see *Annona diversifolia*] (Annonaceae)

**Ilex** sp. (Aquifoliaceae) [holly], 454, 457, 4249 (aphids), 4285b, 4325a, 4326a, 4363, 4671, 9286

**Ilex cassine** [dahoon], 3277, 3745, 4182, 4326, 4697, 7715

**Ilex cornuta** [Chinese holly], 3745, 4647, 4700, 8131, 8140

**Ilex crenata** [Japanese holly], 457, 4647, 7746, 8005, 10664

**Ilex decidua**, 3597, 8140

**Ilex glabra** [gallberry; inkberry], 4184, 4363, 7146, 7663, 7784, 7809, 8318

**Ilex krugiana**, 7846

**Ilex laevigata** [smooth winterberry], 4363, 8318

**Ilex opaca** [American holly], 2703, 3745, 4285b, 4326, 4363, 4677, 8007, 8140, 8316, 8318, 9945.1

**Ilex verticillata** [winterberry], 3277, 3278, 7662, 7746, 8007, 9286

**Ilex vomitoria** [yaupon], 4326, 4363, 4647, 4697, 7757, 8129, 8140

**Illicium parviflorum** (Illiciaceae) [sweet anise], 8146, 8316

**Impatiens** sp. (Balsaminaceae), 6726, 7390, 9670, 9672

**Impatiens capensis** [jewelweed], 4434

**Imperator cylindrica** (Gramineae) [cogon grass], 1132

inch plant, fern-leaf [see *Tripogandra multiflora*] (Commelinaceae)

India canna [see *Canna indica*] (Cannaceae)

Indian fig [see *Opuntia ficus-indica*] (Cactaceae)

Indian hemp [see *Apocynum cannabinum*] (Apocynaceae)

indigo, false [see *Amorpha* sp.] (Leguminosae)

hairy [see *Indigofera hirsuta*] (Leguminosae)

tree [see *Indigofera tinctoria*]

wild [see *Baptisia* sp.; *B. tinctoria*] (Leguminosae)

white false [see *Baptisia leucantha*]

yellow [see *Baptisia tinctoria*]

indigo bush [see *Amorpha fruticosa*] (Leguminosae)

**Indigofera** sp. (Leguminosae) [indigo], 5993

**Indigofera anil**, 4356

**Indigofera caroliniana**, 3904?

**Indigofera hirsuta** [hairy indigo], 2284, 4228a, 8131, 8574, 11068

**Indigofera miniata**, 3957

**Indigofera lindheimeriana**, 2284.1

**Indigofera texana**, 4336

**Indigofera tinctoria** [tree indigo], 5993

**Indigofera verbasifolium**, 5993

**Inga** sp. (Leguminosae), 5934.3, 8603

**Inga vera** [guaba], 4231a, 5240

inkberry [see *Ilex glabra*] (Aquifoliaceae)

**Ipomoea** sp. (Convolvulaceae) [morning-glory vine], 465, 466, 1473, 1499, 4435, 4439, 4442.1, 4967, 5230, 5263,

7771, 7772a, 7894, 8140, 8282, 8890, 9078, 11071

**Ipomoea alba** [moonflower vine], 4157, 8137, 9669

**Ipomoea batatas** [sweet potato], 432.1, 465, 466, 2265.1, 4181, 4435, 5243, 5248, 5273, 5896, 7771, 8131, 8137, 9078, 9665, 9666, 9669, 9671, 9672, 9679, 10438, 10648, 10664, 10670, 10676, 11068

**Ipomoea coccinea** [red morning-glory], 8005

**Ipomoea indica**, 6159

**Ipomoea maerorhiza**, 9669

**Ipomoea pes-caprae** [railrod vine; beach morning-glory], 465, 466, 9670

**Ipomoea purpurea** [common morning-glory], 466, 6234, 8137, 8316, 8465, 9666, 9669, 10663, 11068

**Ipomoea quamoclit** [cypress vine], 10663

**Ipomoea sagittata**, 9044

**Ipomoea setifera**, 5243

**Ipomoea tiliacea**, 1499

**Iresine canescens** (Amaranthaceae), 3932?

iris [see *Iris* sp.] (Iridaceae)

African [see *Dietes vegeta*] (Iridaceae)

wild [see *Iris versicolor*]

**Iris** sp. (Iridaceae) [iris], 457, 2738, 6005, 8316, 9466, 10640

**Iris versicolor** [wild iris], 8318

ironweed [see *Vernonia* sp.] (Compositae)

ironwood [see *Ostrya virginiana*] (Betulaceae)

desert [see *Olneya tesota*] (Leguminosae)

**Isoetes muricata** (Isoetaceae), 4787

**Isoetes tuckermanni**, 4787

**Itea virginica** (Iteaceae) [sweetspire], 7896a

**Iva annua** (Compositae), 11147

**Iva frutescens** [marsh elder], 517, 1743

**Iva imbricata** [shore elder], 2005, 3179, 3627

ivy, Boston [see *Parthenocissus tricuspidata*] (Vitaceae)

English [see *Hedera helix*] (Araliaceae)

German [see *Senecio mikanioides*] (Compositae)

Marine [see *Cissus incisa*] (Vitaceae)

poison [see *Rhus radicans*] (Anacardiaceae)

spider [see *Chlorophytum comosum*] (Liliaceae)

**Ixora** sp. (Rubiaceae), 3745, 4700, 8131, 8541?, 8890, 9669, 9670

**Ixora acuminata**, 457

**Ixora chinensis**, 457, 9670

**Ixora coccinea** [flame-of-the-woods], 457, 3745, 4700, 7746, 8131

jaboncillo [see *Gouania polygama*] (Rhamnaceae)

jaboncillo [see *Sapindus saponaria*] (Sapindaceae)

jaboticaba [see *Myrciaria cauliflora*] (Myrtaceae)

**Jacaranda** sp. (Bignoniaceae) [green ebony], 8658

**Jacaranda acutifolia**, 8658

jackbean [see *Canavalia ensiformis*] (Leguminosae)

jackfruit [see *Artocarpus heterophyllus*] (Moraceae)

**Jacobinia** sp. (Acanthaceae), 9030

**Jacobinia carnea**, 4476

jade plant [see *Crassula argentea*] (Crassulaceae)

silver [see *Crassula arborescens*]

**Jamesia americana** (Saxifragaceae), 4363

Japanese laurel [see *Aucuba japonica*] (Cornaceae)

Japanese laurel [see *Pittosporum tobira*] (Pittosporaceae)

Japanese persimmon [see *Diospyros kaki*] (Ebenaceae)

jasmine [see *Jasminum* sp.] (Oleaceae)

Arabian [see *Jasminum sambac*]

orange [see *Murraya paniculata*] (Rutaceae)

star [see *Trachelospermum jasminoides*] (Apocynaceae)

- yellow [see *Jasminum humile*]  
**Jasminum** sp. (Oleaceae) [jasmine], 454, 854.1, 7778, 7802, 7830, 8140, 8146, 8316, 9669, 9672  
**Jasminum cinnamomifolium**, 854.1  
**Jasminum humile** [yellow jasmine], 854.1  
**Jasminum illicifolium**, 8140  
**Jasminum sambac** [Arabian jasmine; bela], 854.1  
**Jatropha** sp. (Euphorbiaceae) [nettlespurge], 663.1, 7772a, 7832, 7861  
**Jatropha curcas** [Barbados nut; physic nut], 663.1  
**Jatropha gossypifolia** [bellyache bush; tattoo bush], 663.1, 7827  
**Jatropha integerrima** [peregrina], 663.1  
*Jatropha manihot* [see *Manihot utilissima*] (Euphorbiaceae)  
**Jatropha multifida** [coral bush], 663.1  
Java plum [see *Syzygium cumini*] (Myrtaceae)  
Jerusalem artichoke [see *Helianthus tuberosus*] (Compositae)  
Jerusalem thorn [see *Parkinonsia aculeata*] (Leguminosae)  
jessamine, day [see *Cestrum diurnum*] (Solanaceae)  
night-blooming [see *Cestrum nocturnum*]  
jewelweed [see *Impatiens capensis*] (Balsaminaceae)  
joe-pye weed, bluestem [see *Eupatorium purpureum*] (Compositae)  
joint vetch, sensitive [see *Aeschynomene viscidula*] (Leguminosae)  
jojoba [see *Simmondsia chinensis*] (Buxaceae)  
**Juglans** sp. (Juglandaceae) [walnut], 95, 2281, 2287, 3263, 3333, 3492, 3622, 3662, 5661, 5674, 5686, 5995, 6597, 7758, 7907, 7994, 8011, 8137, 8721, 8771, 8834?, 9200, 9266, 9678, 10012  
**Juglans ailantifolia** [Japanese walnut], 7907  
**Juglans californica** [California walnut], 8140  
**Juglans cinerea** [butternut], 4282b, 5661, 6258, 6798, 7704, 7706, 7715, 7757, 7758, 7827, 7902, 7903, 7907, 8011, 8137, 8203, 8316, 8318, 8448, 8771, 8773, 9272, 9638  
**Juglans microcarpa** [little walnut], 4282b, 5661  
**Juglans nigra** [black walnut], 2281, 3622, 4282b, 6258, 6658, 6660, 7046, 7698, 7701, 7706, 7757, 7758, 7827, 7902, 7903, 7906, 7907, 7990, 7998, 8011, 8137, 8140, 8203, 8316, 8318, 8727, 8771, 8792, 8793, 8798, 9254, 9257, 10065, 11029, 11063  
**Juglans regia** [English walnut], 3648, 5724, 6798, 7698, 7907, 7998, 8140, 8316, 8771, 8794, 8798, 9638  
jujube [see *Ziziphus* sp.] (Rhamnaceae)  
**Juncus** sp. (Juncaceae) [rush], 2706, 2707  
**Juncus roemerianus** [black rush], 8267  
juniper [see *Juniperus* sp.] (Cupressaceae)  
common [see *Juniperus communis*]  
creeping [see *Juniperus horizontalis*]  
Himalayan [see *Juniperus recurva*]  
Irish [see *Juniperus communis* 'Hibernica']  
shore [see *Juniperus conferta*]  
**Juniperus** sp. (Cupressaceae) [juniper], 454, 1473, 2282, 3638, 4328?, 6362, 6974, 7474, 9669, 9670, 9899  
**Juniperus ashei**, 4318a, 6362  
**Juniperus californica**, 4318a  
**Juniperus chinensis**, 432.1, 2282, 6362, 7704  
**Juniperus communis** [common juniper], 457, 4318a, 7474, 7704, 8318  
**Juniperus communis** 'Hibernica' [Irish juniper], 2282  
**Juniperus conferta** [shore juniper], 9670  
**Juniperus deppeana**, 4318a  
**Juniperus flaccida**, 4318a  
**Juniperus horizontalis** [creeping juniper], 2282, 4181  
**Juniperus monosperma**, 4318a  
**Juniperus occidentalis**, 4318a  
**Juniperus osteosperma**, 4318a  
**Juniperus pinchotii**, 4318a  
**Juniperus recurva** [Himalayan juniper], 2282  
**Juniperus silicicola** [southern red cedar], 457, 4318b  
**Juniperus virginiana** [red cedar], 457, 2282, 4318a, 6362, 7474, 7704, 8140, 8316, 8318  
*Jussiaea angustifolia* [see *Ludwigia octovalvis*] (Onagraceae) [water primrose]  
*Jussiaea decurrens* [see *Ludwigia decurrens*]  
**Justicia** sp. (Acanthaceae), 4439  
**Justicia brandegeana**, 4476, 4478a, 7746, 9672  
**Justicia candalkeriana**, 4446  
**Justicia carthaginensis**, 4446  
jute [see *Corchorus capsularis*] (Tiliaceae)  
kaffir lily [see *Clivia* sp.] (Amaryllidaceae)  
kafir corn [see *Sorghum bicolor* 'Caffrorum group'] (Gramineae)  
**Kalanchoe** sp. (Crassulaceae) [palm-beach-bells], 3736  
**Kalanchoe fedtschenkoi** [lavender scallops], 8146  
**Kalmia** sp. (Ericaceae) [laurel], 3633, 4182, 6838, 7809, 8140, 8316  
**Kalmia angustifolia** [sheep laurel], 5654, 6964, 7886, 8318  
**Kalmia latifolia** [mountain laurel], 5654, 8318  
kangaroo vine [see *Cissus antarctica*] (Vitaceae)  
karum tree [see *Pongamia pinnata*] (Leguminosae)  
**Karwinskia humboldtiana** (Rhamnaceae) [coyotillo], 9637  
kassodtree [see *Cassia siamea*] (Leguminosae)  
kenaf [see *Hibiscus cannabinus*] (Malvaceae)  
**Khaya** sp. (Meliaceae), 5705  
**Kicksia spuria** (Scrophulariaceae), 4440  
**Kigelia pinnata** (Bignoniaceae) [sausage tree], 5240, 6088  
king's-mantle [see *Thunbergia erecta*] (Acanthaceae)  
knapweed [see *Centaurea* sp.] (Compositae)  
**Knautia** sp. (Dipsacaceae), 2313  
koa [see *Acacia koa*] (Leguminosae)  
kohlrabi [see *Brassica oleracea* 'Gornglylodes group'] (Cruciferae)  
knotweed [see *Polygonum* sp.] (Polygonaceae)  
**Kochia scoparia** (Chenopodiaceae) [summer cypress], 457  
**Koelreuteria** sp. (Sapindaceae) [golden-rain tree], 454  
**Koelreuteria paniculata** [varnish tree], 7704  
**Krugiodendron ferreum** (Rhamnaceae) [leadwood], 97, 245, 2275, 7070, 9637  
kudzu vine [see *Pueraria lobata*] (Leguminosae)  
**Kuhnia eupatorioides** (Compositae), 10869, 11147  
**Kummerowia stipulacea** (Leguminosae) [Korean clover], 4361a  
kumquat [see *Fortunella* sp.] (Rutaceae)  
oval [see *Fortunella margarita*]  
Labiatae, 8456  
*Lablab purpureus* [see *Dolichos lablab*] (Leguminosae)  
lace, Queen Anne's [see *Daucus carota*] (Umbelliferae)  
**Lactuca** sp. (Compositae) [lettuce], 2951, 5946a, 8243.1  
**Lactuca canadensis**, 8887  
**Lactuca graminifolia**, 6326  
**Lactuca sativa** [garden lettuce], 2281, 4197, 4435, 7894, 8130, 8131, 8197, 8198, 8887, 8907, 8924, 9665, 9669, 9672, 9696, 10223, 10438, 10661, 10663, 10664, 10670, 10676, 10805, 10915, 10942.1, 11068, 11072  
**Lactuca serriola** [prickly lettuce], 3769  
lady's eardrops [see *Fuchsiasp.*] (Onagraceae)  
lady's slipper [see *Cypripedium* sp.] (Orchidaceae)

- Lagenaria** sp. (Cucurbitaceae) [gourd], 5204  
**Lagerstroemia** sp. (Lythraceae), 457, 8010, 9666  
**Lagerstroemia indica** [crape myrtle], 457, 4700, 7746, 7778, 8005, 8140, 8146, 9669, 9670  
**Laguncularia racemosa** (Combretaceae) [white mangrove], 2240, 2703, 3606, 5733, 8997  
**Lamium** sp. (Labiatae), 10942.1  
**Lamium amplexicaule**, 4336  
 lancepod [see *Lonchocarpus sericeus*] (Leguminosae)  
 lancewood [see *Nectandra coriacea*] (Lauraceae)  
 lantana [see *Lantana camara*] (Verbenaceae)  
**Lantana** sp. (Verbenaceae) [shrub verbenal], 304, 4336, 4435, 5287, 6119, 7778, 9067, 10032  
**Lantana aurora**, 3279  
**Lantana camara** [lantana], 457, 5212, 5287, 7061, 8894  
**Lantana involucrata**, 4446, 7174  
**Lantana macropoda**, 4336  
**Laportea canadensis** (Urticaceae), 4421, 4437a, 8897  
 larch [see *Larix* sp.] (Pinaceae)  
   European [see *Larix decidua*]  
   western [see *Larix occidentalis*]  
**Larix** sp. (Pinaceae) [larch], 3638, 3699, 6582, 6598, 8704, 10007  
**Larix decidua** [European larch], 8140, 8316, 8318  
**Larix laricina** [tamarack], 457, 3638, 3643, 3695, 3748, 6352, 6598, 6620, 6621a, 6863, 6908, 7048, 7474, 7704, 8316, 8318, 9182, 10969  
**Larix occidentalis** [western larch], 3638, 6352, 6598, 6863  
 larkspur [see *Delphinium* sp.] (Ranunculaceae)  
**Lasiacis divaricata** (Gramineae) [wild bamboo], 2493, 4943?  
**Latania** sp. (Palmae) [latan palm], 1422  
**Lathyrus** sp. (Leguminosae) [wild pea], 5896  
**Lathyrus californicus**, 4361  
**Lathyrus eucosmus**, 3910  
**Lathyrus jepsoni**, 4210, 4361  
**Lathyrus leucanthus**, 4209, 4210  
**Lathyrus ochroleucus**, 3910, 4361  
**Lathyrus odoratus** [sweet pea], 8887, 9672, 10915, 11068, 11071, 11072  
**Lathyrus palustris**, 3870  
 laurel [see *Kalmia* sp.] (Ericaceae)  
   Alexandrian [see *Calophyllum inophyllum*] (Guttiferae)  
   cherry [see *Prunus caroliniana*] (Rosaceae)  
   cherry [see *Prunus laurocerasus*]  
   English [see *Prunus laurocerasus*]  
   Japanese [see *Aucuba japonica*] (Cornaceae)  
   Japanese [see *Pittosporum tobira*] (Pittosporaceae)  
   mountain [see *Kalmia latifolia*]  
   sheep [see *Kalmia angustifolia*]  
 laurelwood [see *Calophyllum inophyllum*] (Guttiferae)  
**Lavandula** sp. (Labiatae) [lavender], 4650, 8137  
 lavender [see *Lavandula* sp.] (Labiatae)  
   Carolina sea [see *Limonium carolinianum*] (Plumbaginaceae)  
   desert [see *Hyptis emoryi*] (Labiatae)  
 lavender scallops [see *Kalanchoe fedtschenkoi*] (Crassulaceae)  
 lawn leaf [see *Dichondra carolinensis*] (Convolvulaceae)  
 lead plant [see *Amorpha canescens*] (Leguminosae)  
 lead tree, giant [see *Leucaena pulverulenta*] (Leguminosae)  
 leadwood [see *Krugi dendron ferreum*] (Rhamnaceae)  
 leadwort [see *Plumbago* sp.] (Plumbaginaceae)  
   Cape [see *Plumbago auriculata*]  
 leaf litter, 8323, 8326, 8327, 8329?, 8330?, 8338, 8340, 8341?, 8343?, 8347, 8348, 8349?, 8352?, 8356?, 8360?, 8361?, 8364, 8366?, 8368?, 8370, 8371, 8372?, 8374?, 8375?, 8376?, 8378, 8379?, 8380?, 8381?, 8384.1?, 8385, 8387, 8390?, 8391?, 8392?  
 leatherleaf [see *Chamaedaphne calyculata*] (Ericaceae)  
 leatherleaf fern [see *Rumohra adiantiformis*] (Polypodiaceae)  
 leatherwood [see *Dirca* sp.] (Thymelaeaceae)  
 lebbek tree [see *Albizia lebbek*] (Leguminosae)  
**Ledum palustre** (Ericaceae) [wild rosemary], 4363  
**Leea coccinea** (Leeaceae) [West Indian holly], 4700, 9666  
**Leersia oryzoides** (Gramineae), 4004  
 Leguminosae, 8105, 8646, 8647?, 8648?, 10411  
 lemandarin [see *Citrus limonia*] (Rutaceae)  
*Lembotropis nigricans* [see *Cytisus nigricans*] (Leguminosae)  
**Lemna** sp. (Lemnaceae) [duckweed], 4754, 4755  
**Lemna perpusilla**, 4754  
**Lemna valdiviana**, 4754  
 lemon [see *Citrus limon*] (Rutaceae)  
   elephant [see *Citrus medica*]  
   Meyer [see *Citrus meyeri*]  
   Nakoor [see *Citrus nakoor*]  
   Rangpur [see *Citrus x limonia*]  
   rough [see *Citrus jambhiri*]  
**Leonotis nepetifolia** (Labiatae), 3745  
**Lepidium** sp. (Cruciferae) [peppergrass], 4198a, 4847  
**Lepidium campestre**, 4197  
**Lepidium densiflorum**, 4192, 4197, 4207  
**Lepidium fremontii**, 4192  
**Lepidium lasiocarpum**, 4192  
**Lepidium latifolium**, 4192, 4197  
**Lepidium virginicum**, 457, 2363, 4193, 4198a, 4847  
**Leptochloa nealleyi** (Gramineae), 8316, 8743  
**Lespedeza** sp. (Leguminosae) [bush clover], 1524, 3910, 3913?, 4210, 4363, 7746, 8106, 8750  
**Lespedeza bicolor**, 843  
**Lespedeza capitata**, 3870, 3909, 3910, 4336, 4361, 7957  
**Lespedeza cuneata** [Chinese clover], 5596, 11068  
**Lespedeza hirta**, 3904, 3909, 3910, 3956, 4336, 4361  
**Lespedeza intermedia**, 3910, 4361  
**Lespedeza procumbens**, 8465  
*Lespedeza stipulaceae* [see *Kummerowia stipulacea*]  
**Lespedeza texana**, 3904, 3909, 4361  
**Lespedeza thunbergii**, 843, 8560  
**Lespedeza virginica**, 3909  
 lettuce [see *Lactuca* sp.] (Compositae)  
   garden [see *Lactuca sativa*]  
   prickly [see *Lactuca serriola*]  
   water [see *Pistia stratiotes*] (Araceae)  
**Leucaena** sp. (Leguminosae), 2272  
**Leucaena latisiliqua**, 4293, 6332.1  
**Leucaena leucocephala** [white popinac], 454, 1643, 4293, 8574  
**Leucaena pulverulenta** [giant lead tree], 454, 7746  
**Leucadendron** sp. (Proteaceae) [Australian silver oak], 8140  
**Leucojum vernum** (Liliaceae) [snowflake], 10640  
**Leucothoe** sp. (Ericaceae) [fetterbush], 8318  
**Leucothoe populifolia**, 2750, 3722  
**Leucothoe racemosa** [sweetbells], 43254a, 4326a  
**Levisticum officinale** (Umbelliferae) [lovage], 8140  
**Liatris** sp. (Compositae) [gayfeather], 2592, 7058, 11173  
**Liatris cylindracea**, 11173  
**Liatris punctata**, 2592  
**Liatris scariosa**, 2592  
**Liatris spicata**, 11173



- Licania michauxii** (Rosaceae), 4523a  
 lichens, 439, 440, 1046, 8044, 8045, 8046, 8052, 8061, 8066, 8067, 8068, 8071, 8072, 8089, 8090, 8170, 8322, 8334  
 lignum-vitae [see *Guaiaecum* sp.] (Zygophyllaceae)  
**Ligusticum scoticum** (Umbelliferae), 921  
**Ligustrum** sp. (Oleaceae) [privet], 2589, 4363, 6570, 6597, 7778, 7787, 7802, 7809, 7810, 8318, 9062, 9257, 9272, 9286  
**Ligustrum japonicum** [Japanese privet], 457, 3597, 5169, 5218, 7802, 7907  
**Ligustrum lucidum**, 7802, 8130, 8140  
**Ligustrum recurvata**, 5164  
**Ligustrum sinense** [Chinese privet], 7802, 8140, 9286  
**Ligustrum vulgare** [common privet], 7802, 8140, 8316  
 lilac [see *Syringa* sp.] (Oleaceae)  
   common [see *Syringa vulgaris*]  
   Persian [see *Syringa persica*]  
**Lilium** sp. (Liliaceae) [lily], 2490, 3695, 5126, 5169, 8137, 9466, 9670, 10640  
**Lilium canadense** [meadow lily], 5169  
**Lilium longiflorum**, 8131  
**Lilium longiflorum** var. **eximium** [Easter lily], 3745  
 lily [see *Lilium* sp.] (Liliaceae)  
   Amazon [see *Eucharis grandiflora*] (Amaryllidaceae)  
   atamasco [see *Zephyranthes atamasco*] (Amaryllidaceae)  
   Aztec [see *Sprekelia formosissima*] (Amaryllidaceae)  
   Barbados [see *Hippeastrum* sp.] (Amaryllidaceae)  
   blood [see *Haemanthus* sp.] (Amaryllidaceae)  
   bonnet [see *Nuphar* sp.] (Nymphaeaceae)  
   calla [see *Zantedeschia* sp.] (Araceae)  
   Chinese [see *Narcissus tazetta* var. *orientalis*] (Amaryllidaceae)  
   day [see *Hemerocallis* sp.] (Liliaceae)  
   Easter [see *Lilium longiflorum* var. *eximium*] (Liliaceae)  
   flamingo [see *Anthurium andraeanum*] (Araceae)  
   Jacobean [see *Sprekelia formosissima*] (Amaryllidaceae)  
   meadow [see *Lilium canadense*]  
   rain [see *Cooperia* sp.] (Amaryllidaceae)  
   St. Bernard's [see *Chlorophytum* sp.] (Liliaceae)  
   Scarborough [see *Vallota speciosa*] (Amaryllidaceae)  
   southern swamp [see *Crinum americanum*] (Amaryllidaceae)  
   spider [see *Hymenocallis rotata*] (Amaryllidaceae)  
   swamp [see *Crinum* sp.] (Liliaceae)  
   zephyr [see *Zephyranthes* sp.] (Amaryllidaceae)  
 lily-of-the-valley [see *Convallaria majalis*] (Liliaceae)  
 lime [see *Citrus aurantifolia*] (Rutaceae)  
   Key [see *Citrus aurantiifolia* 'Swingle']  
   Persian [see *Citrus aurantiifolia* 'Tahiti']  
   seedless [see *Citrus latifolia*]  
   sweet [see *Citrus limetta*; *Citrus limettioides*]  
   wild [see *Zanthoxylum fagara*] (Rutaceae)  
 limequat [see *Citrofortunella* sp.] (Rutaceae)  
**Limnobia** sp. (Hydrocharitaceae), [American frog's-bit], 4755  
**Limnophila** sp. (Scrophulariaceae), 4755  
**Limonia** sp. (Rutaceae) [wood apple], 854.1, 4170  
**Limonium carolinianum** (Plumbaginaceae) [Carolina sea lavender], 5930  
**Linaria** sp. (Scrophulariaceae) [toadflax], 4440  
**Linaria canadensis** [old-field toadflax], 4440, 8525, 10154, 11068, 11071  
**Linaria macrocana**, 4440  
**Linaria vulgaris** [common toadflax], 4440, 11065  
 linden [see *Tilia* sp.] (Tiliaceae)  
   European [see *Tilia europaea*]  
**Lindera benzoin** (Lauraceae) [spicebush], 4176, 4181, 4184, 6963, 7663, 7704, 7764, 8318  
**Lindera melissifolia** [pondberry], 4181  
**Lindernia** sp. (Scrophulariaceae), 4755  
**Lindernia diffusa**, 4443  
**Linum** sp. (Linaceae) [flax], 5896  
**Linum australe**, 4447  
**Linum rigidum**, 4447  
**Linum sulcatum**, 4447, 10438, 19731, 10805, 10942.1, 11068, 11071  
**Lippia** sp. (Verbenaceae) [lippia; mat grass], 4442a, 4443a, 4480, 7746  
**Lippia alba**, 7787  
*Lippia lanceolata* [see *Phyla lanceolata*]  
*Lippia nodiflora* [see *Phyla nodiflora*]  
**Liquidambar** sp. (Hamamelidaceae) [sweetgum], 5995, 7698, 9286  
**Liquidambar styraciflua** [sweetgum], 454, 457, 848, 4176, 4284?, 4671, 5802, 6780, 6797, 7009, 7029, 7034, 7701, 7704, 7706, 7757, 7758, 7764, 7931, 8010, 8140, 8203, 8296, 8299, 8316, 8318, 8959, 8962, 9251, 9638  
**Liriodendron** sp. (Magnoliaceae) [tulip tree], 6088  
**Liriodendron tulipifera** [tulip tree], 457, 1623, 2711, 4176, 4181, 4420, 5997, 6599, 7746, 7757, 7764, 7765, 8140, 8203, 8316, 8318  
**Litchi chinensis** (Sapindaceae) [lychee], 304, 457, 3274.1, 3426, 3736, 3745, 4700, 5590, 7060.1, 7746, 7994, 8005, 8316, 9669, 9672  
**Litsea aestivalis** (Lauraceae) [pond spice], 4182  
**Livistona chinensis** (Palmae) [Chinese fan palm], 1422, 4079, 5723  
**Lobelia** sp. (Campanulaceae), 10942.1  
**Lobelia dortmanna**, 4787  
 loblolly-bay [see *Gordonia lasianthus*] (Theaceae)  
 lobster-claw [see *Heliconia* sp.] (Heliconiaceae)  
**Lobularia maritima** (Cruciferae) [sweet alyssum], 4193, 4197  
 locust [see *Robinia* sp.] (Leguminosae)  
   black [see *Robinia pseudoacacia*]  
   honey [see *Gleditsia* sp.] (Leguminosae)  
   moss [see *Robinia hispida*]  
   sweet [see *Gleditsia triacanthos*]  
**Lonchocarpus sericeus** (Leguminosae) [lancepod], 1611, 3872  
**Lonicera** sp. (Caprifoliaceae) [honeysuckle], 3635, 3654, 4992, 6570, 6597, 7853, 7855, 8140, 8316, 9272, 10059, 10517  
**Lonicera dioica**, 7650  
**Lonicera japonica** [Japanese honeysuckle], 443, 4647, 11068  
**Lonicera nitida**, 7855  
**Lonicera sempervirens** [trumpet honeysuckle], 4363, 7855  
**Lonicera tatarica** [Tatarian honeysuckle], 4363, 7855, 8146  
 loofah [see *Luffa* sp.] (Cucurbitaceae)  
 loosestrife [see *Lythrum* sp.] (Lythraceae)  
   false [see *Ludwigia* sp.] (Onagraceae)  
 loquat [see *Eriobotrya japonica*] (Rosaceae)  
**Loranthus** sp. (Loranthaceae) [mistletoe], 854.1  
**Lotus** sp. (Leguminosae) [lotus], 3910, 4209, 4210, 4363, 5732  
**Lotus argophyllus** var. **ornithopus**, 4335?  
**Lotus grandiflorus**, 3870, 4210  
**Lotus purshianus**, 4210, 4361

- Lotus scoparius**, 3957, 4210, 4361  
**Lotus strigosus**, 4210  
**Lotus subpinnatus**, 4210  
 lovage [see *Levisticum officinale*] (Umbelliferae)  
**Ludwigia** sp. (Onagraceae) [false loosestrife], 4440, 4755  
**Ludwigia alternifolia** [seedbox], 4440  
**Ludwigia decurrens**, 7864, 7865  
**Ludwigia octovalvis** [water primrose], 7865, 8131  
**Ludwigia peruviana** [primrose willow], 5167, 7009, 7865, 8131  
**Luffa** sp. (Cucurbitaceae) [loofah], 5204  
**Lunaria annua** (Cruciferae), 4197  
 lupine [see *Lupinus* sp.] (Leguminosae)  
     blue [see *Lupinus hirsutus*]  
     sky-blue [see *Lupinus cumulicola*]  
     spreading [see *Lupinus diffusus*]  
     sundial [see *Lupinus perennis*]  
**Lupinus** sp. (Leguminosae) [lupine], 2242, 3443, 4336, 4363, 4434, 4435, 4992, 5896, 8010, 8106, 8130, 8191, 8194, 8738, 8739, 10670, 10731  
**Lupinus albifrons**, 4435  
**Lupinus angustifolius**, 8129, 8465  
**Lupinus arboreus**, 1615, 4435  
**Lupinus arcticus**, 4435  
**Lupinus argenteus**, 4336, 4363, 4363.1, 4435  
**Lupinus bicolor**, 4210, 4361, 4435  
**Lupinus chamissionis**, 1615, 4363  
**Lupinus cumulicola** [sky-blue lupine], 4992  
**Lupinus densiflorus**, 4363  
**Lupinus diffusus** [spreading lupine], 3443, 4336, 4992  
**Lupinus formosus**, 4435  
**Lupinus hirsutus** [blue lupine], 8131, 8465, 8887  
**Lupinus latifolius**, 4361  
**Lupinus minimus**, 4210  
**Lupinus nanus**, 4361  
**Lupinus perennis** [sundial lupine], 3959, 4209, 4210, 4326a, 4328?, 4361, 4435  
**Lupinus rivularis**, 9671  
**Lupinus succulentus**, 4210, 4435  
**Lupinus texensis**, 4326, 4336  
**Luziola fluitans** (Gramineae), 4764  
 lychee [see *Litchi chinensis*] (Sapindaceae)  
**Lycium carolinianum** (Solanaceae) [Christmas-berry], 4994  
**Lycium barbarum** [common matrimony vine], 7775, 7776  
**Lycopersicon esculentum** (Solanaceae) [tomato], 2047, 4949, 5157, 5896, 7775, 7776, 7894, 8131, 8540, 8554, 8887, 8890, 8891, 8898, 9466, 9665, 9666, 9669, 9670, 9671, 9672, 10648, 10661, 10663, 10664, 10670, 10674, 10676, 10731, 10805, 10915, 10942.1, 11068, 11071, 11072  
**Lycopsis** sp. (Boraginaceae), 4435  
**Lycopus americanus** (Labiatae), 6078  
**Lygodium microphyllum** (Schizaeaceae), 355.1  
**Lyonia ferruginea** (Ericaceae), 2752, 4647  
**Lyonia fruticosa**, 816.1, 8760  
**Lyonia ligustrina**, 7810, 7826, 7905  
**Lyonia lucida** [tetterbush], 816, 2751, 7902, 7905  
**Lyonia mariana** 7905, 7911  
**Lysiloma** sp. (Leguminosae), 5704  
**Lysiloma bahamensis**, 2216, 3606, 8603  
**Lysiloma latisiliqua** [wild tamarind], 1800, 3493.1, 4238, 4436a, 8131  
**Lysimachia** sp. (Primulaceae) [swamp primrose], 8146  
**Lysimachia nummularia** [moneywort], 8772  
**Lythrum** sp. (Lythraceae) [loosestrife], 9299  
 macadamia nut [see *Macadamia tetraphylla*] (Proteaceae)  
**Macadamia tetraphylla** (Proteaceae) [macadamia nut], 4700  
**Machaeranthera annua** (Compositae), 11183  
**Machaeranthera tenuis**, 11128  
**Maclura pomifera** (Moraceae) [Osage orange], 457, 4991, 8140, 8316, 8318, 10915  
**Macroptilium atropurpureum** (Leguminosae) [siratro], 8743  
**Macroptilium lathyroides**, 4356, 4359  
**Macrozamia lucida** (Zamiaceae), 4268a  
 madrone [see *Arbutus menziesii*] (Ericaceae)  
 madwort [see *Alyssum* sp.] (Cruciferae)  
 magnolia [see *Magnolia* sp.] (Magnoliaceae)  
     Japanese [see *Magnolia stellata*]  
     southern [see *Magnolia grandiflora*]  
**Magnolia** sp. (Magnoliaceae) [magnolia], 7764, 8140, 8146, 8316  
**Magnolia acuminata** [cucumber tree], 4176  
**Magnolia grandiflora** [southern magnolia], 851, 2711, 4647, 5996, 5997  
**Magnolia stellata** [Japanese magnolia], 8140  
**Magnolia virginiana** [sweetbay], 851, 2703, 2711, 4176, 4181, 4182, 4647, 4671, 6599, 6604, 7746, 7766  
 mahoe [see *Hibiscus tiliaceus*] (Malvaceae)  
 mahogany [see *Swietenia* sp.] (Meliaceae)  
     mountain [see *Cercocarpus* sp.] (Rosaceae)  
     swamp [see *Eucalyptus robusta*] (Myrtaceae)  
     West Indian [see *Swietenia mahoganii*]  
**Mahonia aquifolium** (Berberidaceae) [Oregon grape], 7290a  
 maidenhair tree [see *Ginkgo biloba*] (Gingkoaceae)  
 maikoa [see *Brugmansia arborea*] (Solanaceae)  
 maize [see *Zea mays*] (Gramineae)  
     milo [see *Sorghum bicolor* 'Subglabrescens group']  
**Malcolmia africana** (Cruciferae), 4192  
 mallow [see *Malva* sp.] (Malvaceae)  
     bladder [see *Herissantia crispa*] (Malvaceae)  
     globe [see *Sphaeralceasp.*] (Malvaceae)  
     high [see *Malva sylvestris*]  
     Indian [see *Abutilon theophrasti*] (Malvaceae)  
     marsh [see *Althaea officinalis*] (Malvaceae)  
     poppy [see *Callirhoe* sp.] (Malvaceae)  
     sleepy [see *Malvaviscus* sp.] (Malvaceae)  
     soldier rose [see *Hibiscus militaris*] (Malvaceae)  
     wax [see *Malvaviscus arboreus* var. *mexicanus*]  
**Malpighia glabra** (Malpighiaceae) [Barbados cherry], 457, 3944, 4356, 4700  
**Malus** sp. (Rosaceae) [apple], 454, 1014, 1175, 2449, 2549, 2550, 2583, 2863, 2906, 3426, 3428, 3492, 3597, 3623, 3635, 3637, 3648, 3653, 3695, 3748, 4249 (aphids), 4644, 4665, 4677, 4697, 4698, 5651, 5999, 6005, 6652a, 6724, 8005, 8869, 9235, 9666, 9672, 9944, 9957, 10502, 10518, 10676  
**Malus acuta**, 8477.1  
**Malus angustifolia** [southern wild crab apple], 8140  
**Malus baccata** [Siberian crab apple], 4553  
**Malus coronaria** [American crab apple], 6660, 7767, 8140, 8864  
**Malus floribunda** [showy crab apple], 9257  
**Malus fusca**, 8007, 8140  
**Malus ioensis** [wild crab apple], 7009  
**Malus pumila** [common apple], 457, 4176, 4282b, 4285b, 4336, 4363, 4522a, 4523a, 4699, 4700, 5651, 5724, 5995, 6258, 6299, 6590, 6597, 6658, 6667, 6797, 6798,

- 6966, 6982a, 7009, 7058, 7159, 7196, 7670, 7686, 7698, 7701, 7746, 7757, 7764, 7767, 7810, 7821, 7824, 7828, 7894, 7902, 7905, 7907, 7994, 7998, 8007, 8010, 8011, 8012, 8108, 8131, 8140, 8301, 8316, 8318, 8397, 8465, 8697, 8857, 8858, 8864, 9062, 9200, 9212, 9236, 9237, 9240, 9241, 9246, 9257, 9272, 9286, 9638, 9662, 9665, 9666, 9887, 9910, 10368, 10397, 10438, 10495, 10663, 10670, 10674, 10731, 10805, 10915, 10942.1, 11029, 11068
- Malus sylvestris** [crab apple], 6660, 8005, 8007, 8010, 8316
- Malva** sp. (Malvaceae) [mallow], 3966, 3968, 4434, 4435, 8316, 8545, 8554, 8887, 9665
- Malva moschata**, 3966, 4435
- Malva neglecta**, 3966, 4336, 4435
- Malva nicaeensis**, 3966, 4336, 4435
- Malva parviflora**, 3966, 4336, 4435
- Malva rotundifolia**, 3966, 4336, 8545, 9665, 10663, 11068
- Malva sylvestris** [high mallow], 3966, 4435, 4700, 8140
- Malvastrum** sp. (Malvaceae), 3968, 4826
- Malvastrum corchorifolium**, 3968
- Malvastrum coromandelianum**, 3966
- Malvastrum rotundifolium**, 3966
- Malvastrum spicatum**, 8560
- Malvaviscus** sp. (Malvaceae) [sleepy mallow], 4700, 8546a, 8548, 9169
- Malvaviscus arboreus**, 8548
- Malvaviscus arboreus** var. **drumondii**, 457, 6085, 7746, 8545, 9169
- Malvaviscus arboreus** var. **mexicanus** [wax mallow], 8545
- Malvella leprosa** (Malvaceae), 3966, 4336, 4345a, 4435
- mamey sapote [see *Pouteria sapota*] (Sapotaceae)
- Mammillaria plumosa** (Cactaceae), 432.1
- mandarin [see *Citrus reticulata*] (Rutaceae)
- Mandevilla splendens** (Apocynaceae), 8284a
- Manettia luteo-rubra** [Rubiaceae], 7890
- mangels [see *Beta vulgaris*] (Chenopodiaceae)
- Mangifera indica** (Anacardiaceae) [mango], 457, 3745, 5590, 7060.1, 9666
- mango [see *Mangifera indica*] (Anacardiaceae)
- mangrove [see *Rhizophora* sp.] (Rhizophoraceae)
- black [see *Avicennia germinans*] (Avicenniaceae)
- red [see *Rhizophora mangle*]
- white [see *Laguncularia racemosa*] (Combretaceae)
- Manihot carthagenensis** (Euphorbiaceae), 7832
- Manihot esculenta** [cassava], 8131
- Manihot utilisima** [coral plant; manihot], 4443
- Manilkara bahamensis** (Sapotaceae) [wild dilly], 3414.2, 5739, 7834, 8131
- Manilkara roxburghiana**, 9670
- Manilkara zapota** [sapodilla; sapote], 3414.1, 5739, 6086, 6087a, 7834, 8131
- manzanita, bigberry [see *Arctostaphylos glauca*] (Ericaceae)
- maple [see *Acer* sp.] (Aceraceae)
- bigleaf [see *Acer macrophyllum*]
- flowering [see *Abutilon pictum*] (Malvaceae)
- mountain [see *Acer spicatum*]
- Norway [see *Acer platanoides*]
- Pennsylvania [see *Acer pensylvanicum*]
- red [see *Acer rubrum*]
- silver [see *Acer saccharinum*]
- southern sugar [see *Acer barbatum*]
- sugar [see *Acer saccharum*]
- sycamore [see *Acer pseudoplatanus*]
- vine [see *Acer circinatum*]
- Maranta** sp. (Marantaceae), 4115, 9665, 9666
- Maranta leuconeura** [prayer plant], 9666
- marigold [see *Tagetes* sp.] (Compositae)
- Cape [see *Dimorphotheca* sp.] (Compositae)
- pot [see *Calendula officinalis*] (Compositae)
- marijuana [see *Cannabis sativa*] (Cannabaceae)
- marine ivy [see *Cissus incisa*] (Vitaceae)
- Mariscus jamaicensis** (Cyperaceae), 2707
- marjoram [see *Origanum* sp.] (Labiatae)
- marlberry [see *Ardisia escallonioides*] (Myrsinaceae)
- marsh elder [see *Iva frutescens*] (Compositae)
- marsh fern [see *Thelypteris palustris*] (Polypodiaceae)
- marsh fleabane [see *Pluchea odorata*] (Compositae)
- marsh grass (Gramineae), 8217
- marsh mallow [see *Althaea officinalis*] (Malvaceae)
- Marsilea** sp. (Marsileaceae) [pepperwort], 4755
- Mascarena lagenicaulis* [see *Hyophorbe lagenicaulis*] (Palmaceae)
- Mastichodendron foetidissimum** (Sapotaceae), 696, 847
- masterwort [see *Angelica atropurpurea*] (Umbelliferae)
- Matelea carolinensis** (Asclepiadaceae), 4615
- Matelea hirsuta**, 4615
- Matelea laevis**, 4614
- Matelea reticulata**, 4614
- mat grass [see *Lippia* sp.] (Verbenaceae)
- matrimony vine, common [see *Lycium barbarum*] (Solanaceae)
- Matthiola** sp. (Cruciferae) [stock], 4197
- Matthiola incana**, 2366, 4197, 10915
- Maurandya antirrhiniflora** (Scrophulariaceae), 4440
- mayapple [see *Podophyllum* sp.; *P. peltatum*] (Podophyllaceae)
- may haw [see *Crataegus aestivalis*] (Rosaceae)
- maypop [see *Passiflora incarnata*] (Passifloraceae)
- mayweed [see *Anthemis cotula*] (Compositae)
- mealybugs, 1513
- meadow beauty [see *Rhexia* sp.] (Melastomaceae)
- meadowsweet [see *Spiraea latifolia*] (Rosaceae)
- medic [see *Medicago* sp.] (Leguminosae)
- Medicago** sp. (Leguminosae) [medic], 2284, 3910, 4224, 4975
- Medicago hispida** [toothed bur clover], 3957, 4209, 4210
- Medicago lupulina**, 4210, 4243, 4361
- Medicago sativa** [alfalfa], 2284, 3693, 3695, 3736, 3957, 4209, 4210, 4224, 4336, 4359, 4435, 7123, 8137, 8465, 8466, 8574, 8739, 8887, 9665, 9666, 9669, 9672, 10397, 10438, 10651, 10664, 10731, 10915, 11068, 11071, 11072
- Meibomia** sp. (Leguminosae), 4243
- melaleuca [see *Melaleuca* sp.] (Myrtaceae)
- Melaleuca** sp. (Myrtaceae) [melaleuca; honey myrtle], 457
- Melaleuca quinquenervia** [paperbark tree; punk tree], 9669, 9672
- melanthera [see *Melanthera aspera*] (Compositae)
- Melanthera aspera** (Compositae) [melanthera], 2270, 2614, 5169, 6160
- Melanthera nivea**, 2270, 6160
- Melanthera parvifolia**, 5934, 5947
- Melia azedarach** (Meliaceae) [chinaberry], 8877
- Melicocca bijuga** (Sapindaceae), 4233a?, 7746
- Melilotus** sp. (Leguminosae) [sweet clover], 1615, 3648, 8131
- Melilotus alba** [white sweet clover], 4209, 4210, 4336, 7746, 8131, 8134, 8465, 10651, 10915, 11068
- Melilotus officinalis** [yellow sweet clover], 4210, 4361, 4363, 7058, 7746

- Melilotus suaveolens**, 11068  
**Melochia corchorifolia** (Sterculiaceae) [chocolate weed], 8560  
**Melilotus indicus**, 4361  
**Melissa officinalis** (Labiatae), 4443  
**Melochia pyramidata**, 8560  
**Melochia tomentosa**, 8560  
melon [see *Cucumis* sp.] (Cucurbitaceae)  
**Melothria pendula** (Cucurbitaceae), 5202, 5205  
**Menispermum** sp. (Menispermaceae) [moonseed], 4447  
**Menispermum canadense** [yellow parilla], 8534  
**Mentha** sp. (Labiatae) [mint], 3695, 4435, 4950, 4967, 8887, 8895, 9055.3, 9670, 11068  
**Mentha piperita**, 4443  
**Mentha pulegium**, 4443  
**Mentha spicata**, 7058  
**Mentzelia** sp. (Loasaceae), 4336  
**Merremia umbellata** (Convolvulaceae), 5243, 5248  
**Mesembryanthemum crystallinum** (Aizoaceae) [ice plant], 4197  
*Mesosphaerum rugosum* [see *Hyptis rugosum*] (Labiatae)  
**Mespilus** sp. (Rosaceae), 3426  
mesquite [see *Prosopis glandulosa*] (Leguminosae)  
**Metastelma arizonicum** (Asclepiadaceae), 4447  
**Metopium toxiferum** (Anacardiaceae) [Florida poison tree], 2702, 8585.1  
Mexican ash [see *Fraxinus berlandieriana*] (Oleaceae)  
Mexican clover [see *Richardsia scabra*] (Rubiaceae)  
Mexican creeper [see *Antigonon leptopus*] (Polygonaceae)  
Mexican flame vine [see *Senecio confusus*] (Compositae)  
**Mikania scandens** (Compositae) [climbing hempweed], 6362, 8280  
mignonette [see *Reseda* sp.] (Resedaceae)  
common [see *Reseda odorata*]  
milk bark [see *Drypetes diversifolia*] (Euphorbiaceae)  
milkberry [see *Chiococca alba*] (Rubiaceae)  
milkbush [see *Euphorbia tirucalli*] (Euphorbiaceae)  
milkpea [see *Galactia* sp.] (Leguminosae)  
milk tree, African [see *Euphorbia trigona*] (Euphorbiaceae)  
milk vetch [see *Astragalus* sp.] (Leguminosae)  
milkvine [see *Gonolobus* sp.] (Asclepiadaceae)  
milkweed [see *Asclepias* sp.] (Asclepiadaceae)  
purple [see *Asclepias purpurascens*]  
swamp [see *Asclepias incarnata*]  
milkwort [see *Polygala cumulicola*] (Polygalaceae)  
millet [see *Panicum miliaceum*] (Gramineae)  
finger [see *Eleusine coracana*] (Gramineae)  
foxtail [see *Setaria italica*] (Gramineae)  
pearl [see *Pennisetum americanum*] (Gramineae)  
milletgrass [see *Setaria* sp.] (Gramineae)  
milo maize [see *Sorghum bicolor* 'Subglabrescens group'] (Gramineae)  
mimosa [see *Albizia* sp.] (Leguminosae)  
**Mimosa** sp. [Leguminosae], 454  
**Mimosa invisa**, 6332.1  
**Mimosa malacophylla**, 4293  
**Mimosa pudica** [sensitive plant], 4237, 4238, 4243, 4359, 9670  
**Mimulus** sp. (Scrophulariaceae) [monkey flower], 4440, 4442.1, 9679  
*Mimusops emarginata* [see *Manilkara bahamensis*] (Sapotaceae)  
miniature pine tree [see *Crassula tetragona*] (Crassulaceae)  
mint [see *Mentha* sp.] (Labiatae)  
**Mirabilis jalapa** (Nyctaginaceae) [four o'clock], 5170, 5267, 7894  
mistletoe [see *Loranthus* sp.; *Phoradendron* sp.] (Loranthaceae)  
American [see *Phoradendron serotinum*]  
**Modiola caroliniana** (Malvaceae), 3966  
**Momordica charantia** (Cucurbitaceae) [balsam pear], 5204, 5205, 5267, 9669  
**Monarda** sp. (Labiatae) [horsemint], 5034, 5058, 9055.3  
**Monarda didyma** [bee balm], 9055.3  
moneywort [see *Lysimachia nummularia*] (Primulaceae)  
monkey flower [see *Mimulus* sp.] (Scrophulariaceae)  
monkeypod [see *Samanea saman*] (Leguminosae)  
**Monstera deliciosa** (Araceae) [window plant], 8038a, 8131, 8146, 9670  
moonflower vine [see *Calonyction* sp.; *Ipomoea alba*] (Convolvulaceae)  
moonseed [see *Menispermum* sp.] (Menispermaceae)  
moorberry [see *Vaccinium uliginosum*] (Ericaceae)  
morning-glory, beach [see *Ipomoea pes-caprae*] (Convolvulaceae)  
red [see *Ipomoea coccinea*]  
wild [see *Calystegia sepium*] (Convolvulaceae)  
morning-glory vine [see *Ipomoea* sp.] (Convolvulaceae)  
**Morrenia odorata** (Asclepiadaceae) [strangler vine], 4614, 4615, 4616, 9670  
**Morus** sp. (Moraceae) [mulberry], 4549, 5197, 7668, 8140, 8316, 10915  
**Morus alba** [white mulberry], 8318  
**Morus rubra** [red mulberry], 4432, 5198, 5995, 8140, 8316, 8318  
mosaic plant [see *Fittonia verschaffeltii*] (Acanthaceae)  
mosquito plant [see *Azolla caroliniana*] (Azollaceae)  
moss, floating [see *Salvinia rotundifolia*] (Salvinaceae)  
rose [see *Portulaca grandiflora*] (Portulacaceae)  
Spanish [see *Tillandsia usneoides*] (Bromeliaceae)  
mosses, 8090  
**Mucuna deeringiana** (Leguminosae), 8129, 8465, 8574, 9666, 9672, 11068  
**Mucuna sloanei** (velvet bean), 5212  
**Muelleria** sp. (Leguminosae), 3868a  
**Muelleria moniliformis**, 3868a, 3873 (p. 56)  
**Muhlenbergia** sp. (Gramineae), 10911  
**Muhlenbergia tenuiflora**, 1132  
**Muhlenbergia torreyi**, 10304  
mulberry [see *Morus* sp.] (Moraceae)  
red [see *Morus rubra*]  
white [see *Morus alba*]  
mullein [see *Verbascum* sp.] (Scrophulariaceae)  
mum [see *Chrysanthemum x morifolium*] (Compositae)  
**Muntingia** sp. (Elaeocarpaceae) [wild strawberry tree], 8130  
**Murraya** sp. (Rutaceae) [mock orange], 4697  
**Murraya koenigii** [curry leaf], 854.1, 8134  
**Murraya paniculata** [orange jasmine], 854.1  
**Musa** sp. (Musaceae) [banana], 304, 1513, 3745, 4115, 8146, 8898, 9671  
**Musa acuminata** [plantain], 7746  
**Musa cavendishii**, 432.1  
**Musa cordatum**, 9671  
**Musa nana** [dwarf banana], 7746  
**Musa paradisiaca** [banana], 432.1  
**Musa sapientum**, 432.1  
mushroom [see *Agaricus bisporus*] (Agariaceae)  
mushrooms, 8500  
muskwood [see *Guarea* sp.] (Meliaceae)

- musquash root [see *Cicuta maculata*] (Umbelliferae)  
 mustard, black [see *Brassica nigra*] (Cruciferae)  
   brown [see *Brassica juncea*]  
   Chinese [see *Brassica rapa* 'Chinensis group']  
   white [see *Brassica hirta*]  
**Myosotis** sp. (Boraginaceae) [forget-me-not], 4434, 10942.1  
**Myrciaria cauliflora** (Myrtaceae) [jaboticaba], 457  
**Myrica** sp. (Myricaceae) [bayberry], 93, 454, 2274, 3633, 3718, 3720, 4665, 4671, 4685, 4699, 6210, 6620, 6982a, 7474, 8140, 8772, 8774  
**Myrica aspleniifolia**, 2084.1, 7071  
**Myrica cerifera** [wax myrtle], 94, 457, 2549, 2703, 2907, 3188, 3633, 4299, 4644, 4647, 4673, 4677, 4679, 4697, 4698, 5606, 5684, 7663, 7704, 7706, 7746, 7757, 7758, 7810, 8009, 8010, 8140, 8316, 8774, 10521  
**Myrica gale** [bog myrtle; sweet gale], 2274, 6595, 6620, 6752, 7784, 8106, 8318  
**Myrica pensylvanica** [candleberry], 956, 2274, 2907, 7746, 7764, 7810, 8010, 8318  
**Myriophyllum** sp. (Haloragidaceae) [millfoil], 4755  
**Myriophyllum aquaticum** [parrot's feather], 3627, 3633, 9670  
**Myriophyllum heterophyllum**, 4761  
**Myriophyllum spicatum**, 4761  
 myrsine [see *Rapanea punctata*] (Myrsinaceae)  
 myrtle [see *Myrtus* sp.] (Myrtaceae)  
   bog [see *Myrica gale*] (Myrtaceae)  
   crape [see *Lagerstroemia indica*] (Lythraceae)  
   honey [see *Melaleuca* sp.] (Myrtaceae)  
   wax myrtle [see *Myrica cerifera*]  
**Myrtus** sp. (Myrtaceae) [myrtle], 2198, 3745  
  
**Nandina** sp. (Berberidaceae), 9665  
**Nandina domestica** [heavenly bamboo], 4647, 9672  
**Nannorrhops ritchiana** (Palmae) [Mazari palm], 4700  
**Narcissus** sp. (Amaryllidaceae) [daffodil], 10640  
**Narcissus tazetta** [polyanthus], 10640  
 nasturtium [see *Tropaeolum* sp.] (Cruciferae)  
   garden [see *Tropaeolum majus*]  
**Nasturtium** sp. (Cruciferae), 4198a, 4755  
**Nasturtium officinale** [water cress], 4192, 4197, 8887, 8890, 9665  
 necklace pod [see *Sophora tomentosa*] (Leguminosae)  
**Nectandra coriacea** (Lauraceae) [lancewood], 3606, 4938, 5582, 5583, 6599, 8270?  
 nectarine [see *Prunus persica* var. *nectarina*] (Rosaceae)  
**Nelumbo** sp. (Nelumbonaceae) [water lotus], 4755, 9525a  
**Nelumbo lutea** [American water lotus], 4946  
**Nelumbo nucifera**, 5268  
**Nemopanthus mucronatus** (Aquifoliaceae), 7809  
**Nemophila membranacea** (Hydrophyllaceae), 3957  
**Neodopsis decaryi** (Palmae), 432.1  
**Neolloydia intertexta** (Cactaceae), 4336  
**Neoregelia** sp. (Bromeliaceae), 432.1  
**Nepeta cataria** (Labiatae) [catnip], 3886  
**Nephelium litchi** (Sapindaceae), 6332.1  
**Nephrolepis** sp. (Polypodiaceae) [sword fern], 9630  
**Nephrolepis exaltata**, 9630  
**Nephrolepis exaltata 'whitmanii'** [lace fern], 9630  
**Nephtytis** sp. (Araceae), 9671  
**Nerium** sp. (Apocynaceae) [oleander], 4615a, 7835, 8272, 8284a, 9670  
**Nerium oleander** [common oleander], 5240, 8131, 9665, 9670, 9672  
 nettle [see *Urtica* sp.] (Urticaceae)  
   false [see *Boehmeria* sp.] (Urticaceae)  
   flame [see *Coleus* sp.] (Labiatae)  
   horse [see *Solanum carolinense*] (Solanaceae)  
   stinging [see *Urtica dioica*] (Urticaceae)  
   Texas [see *Cnidoscolus texanus*] (Euphorbiaceae)  
 nettlespurge [see *Jatropha* sp.] (Euphorbiaceae)  
 nettle tree [see *Celtis occidentalis*] (Ulmaceae)  
 New Jersey tea [see *Ceanothus americanus*] (Rhamnaceae)  
**Nicandra physalodes** (Solanaceae) [apple-of-Peru], 9669, 9671, 10664  
 nickerbean [see *Caesalpinia* sp.] (Leguminosae)  
**Nicotiana glauca** (Solanaceae) [tree tobacco], 4435, 7775, 8887, 9665  
**Nicotiana rustica** [wild tobacco], 9665  
**Nicotiana tabacum** [tobacco], 2011, 4949, 4967, 5157, 6021, 7775, 7776, 8129, 8131, 8137, 8140, 8194, 8545, 8887, 8889, 8895, 9666, 9669, 9671, 9672, 9673, 9957, 10304, 10368, 10397, 10648, 10651, 10661, 10663, 10664, 10670, 10674, 10676, 10805, 10911, 10915, 10942.1, 10955, 10998, 11068, 11071  
**Nicotiana trigonophylla**, 8887  
**Nidularium billbergioides** (Bromeliadaceae), 432.1  
 night-blooming jessamine [see *Cestrum nocturnum*] (Solana-ceae)  
 nightshade [see *Solanum* sp.] (Solanaceae)  
   black [see *Solanum nigrum*]  
   deadly [see *Solanum dulcamara*]  
   silverleaf [see *Solanum eleagnifolium*]  
   sticky [see *Solanum sisymbriifolium*]  
 ninebark [see *Physocarpus* sp.] (Rosaceae)  
**Nolina microcarpa** (Agavaceae), 4336  
**Nomophila** sp. (Acanthaceae), 4755  
**Nonea** sp. (Boraginaceae), 4435  
 Norfolk Island pine [see *Araucaria heterophylla*] (Araucariaceae)  
**Noronhia emarginata** (Oleaceae) [Madagascar olive], 5267  
 nosegay [see *Plumeria rubra*] (Apocynaceae)  
**Nuphar** sp. (Nymphaeaceae) [bonnet lily], 4751, 4946, 9056, 9523  
**Nuphar advena** [common spatterdock], 9056, 9523  
**Nuphar luteum** [yellow waterlily], 4759, 4760, 9056, 9272, 9523  
 nuts, 5723, 6021  
**Nymphaea** sp. (Nymphaeaceae) [waterlily], 4751, 4755, 9523, 9669  
**Nymphaea odorata** [fragrant waterlily], 4759, 4764  
**Nymphoides** sp. (Menyanthaceae) [floating heart], 4755  
**Nymphoides aquatica** [banana plant], 4763  
**Nyssa** sp. (Nyssaceae) [tupelo], 2567, 4685, 4697, 6837  
**Nyssa aquatica** [tupelo], 7758  
**Nyssa caroliniana**, 234, 2701  
*Nyssa multiflora* [see *Nyssa caroliniana*]  
**Nyssa sylvatica** [black gum], 50, 2701, 4170, 6660, 7698, 7701, 7758, 7886, 8011, 8140, 8316, 8318, 8721, 9285  
  
 oak [see *Quercus* sp.] (Fagaceae)  
   Australian silver [see *Leucadendron* sp.] (Proteaceae)  
   black [see *Quercus velutina*]  
   blackjack [see *Quercus marilandica*]  
   blue [see *Quercus douglasii*]  
   bluejack [see *Quercus incana*]  
   bur [see *Quercus macrocarpa*]  
   California black [see *Quercus kelloggii*]  
   California live oak [see *Quercus agrifolia*]  
   Chapman's [see *Quercus chapmanii*]

- chestnut [see *Quercus prinus*]  
 chinkapin [see *Quercus muehlenbergii*]  
 dwarf chestnut [see *Quercus prinoides*]  
 English [see *Quercus robur*]  
 European turkey [see *Quercus cerris*]  
 Gambel [see *Quercus gambelii*]  
 holly [see *Quercus ilex*]  
 laurel [see *Quercus laurifolia*]  
 live [see *Quercus virginiana*]  
 northern red [see *Quercus rubra*]  
 overcup [see *Quercus lyrata*]  
 pin [see *Quercus palustris*]  
 plateau live [see *Quercus fusiformis*]  
 poison [see *Rhus radicans*] (Anacardiaceae)  
 post [see *Quercus stellata*]  
 Rocky Mountain scrub [see *Quercus undulata*]  
 scarlet [see *Quercus coccinea*]  
 scrub [see *Quercus ilicifolia*]  
 shingle [see *Quercus imbricaria*]  
 shumard [see *Quercus shumardii*]  
 silk [see *Grevillea robusta*] (Proteaceae)  
 southern live [see *Quercus virginiana*]  
 southern red [see *Quercus falcata*]  
 swamp white [see *Quercus bicolor*]  
 Texas red [see *Quercus texana*]  
 turkey [see *Quercus laevis*]  
 valley [see *Quercus lobata*]  
 water [see *Quercus nigra*]  
 white [see *Quercus alba*]  
 willow [see *Quercus phellos*]  
 oats [see *Avena* sp.; *Avena sativa*] (Gramineae)  
 wild [see *Avena fatua*]  
**Ochna multiflora** (Ochnaceae), 8140  
**Ochroma pyramidale** (Bombaceae) [guano], 5241  
**Ocimum** sp. (Labiatae) [basil], 8542  
**Ocimum basilicum** [sweet basil], 8885, 8887  
**Odontonema strictum** (Acanthaceae) [cardinal's guard], 5281  
**Oenothera** sp. (Onagraceae), 1430, 1434, 1443, 1448, 1455, 2305, 3842, 5159, 9299  
**Oenothera biennis** [evening primrose], 1430, 1434, 3695, 7873, 7874, 7894, 8199, 9299, 11164  
**Oenothera grandiflora**, 11164  
**Oenothera hookeri**, 11164  
**Oenothera nuttalli**, 11164  
**Oenothera parviflora**, 11164  
 Okeechobee gourd [see *Cucurbita okeechobeensis*] (Cucurbitaceae)  
**Okenia hypogaea** [Nyctaginaceae], 6104  
 okra [see *Abelmoschus esculentus*] (Malvaceae)  
 old-man's-beard [see *Chionanthus virginicus*] (Oleaceae)  
**Olea** sp. (Oleaceae) [olive], 5995  
**Olea europaea**, 2589  
 oleander [see *Nerium* sp.] (Apocynaceae)  
   common [see *Nerium oleander*]  
   yellow [see *Thevetia peruviana*] (Apocynaceae)  
 oleaster [see *Elaeagnus angustifolia*] (Elaeagnaceae)  
 olive [see *Olea* sp.] (Oleaceae)  
   black [see *Bucida buceras*] (Combretaceae)  
   wild [see *Halesia carolina*] (Styracaceae)  
**Olneya tesota** (Leguminosae) [desert ironwood], 3957  
 onion [see *Allium* sp.; *Allium cepa*] (Alliaceae)  
   Madagascar [see *Noronhia emarginata*] (Oleaceae)  
   wild [see *Allium cernuum*]  
**Onobrychis viciifolia** (Leguminosae) [sainfoin], 10731  
**Onopordum acanthium** (Compositae) [cotton thistle], 4434, 4435  
**Onosmodium virginianum** (Boraginaceae), 9666  
 opopanax [see *Acacia farnesiana*] (Leguminosae)  
**Opuntia** sp. (Cactaceae) [prickly pear; tuna, cholla], 432.1, 5935, 5949, 5970, 5976.1, 5987.1, 6034, 10731  
**Opuntia antillana**, 5976.1  
**Opuntia aurantiaca**, 5976.1  
**Opuntia bonariensis**, 5976.1  
**Opuntia brunnescens**, 5976.1  
**Opuntia canterai**, 5976.1  
**Opuntia cordobensis**, 5976.1  
**Opuntia delaetiana**, 5976.1  
**Opuntia dillenii**, 5970, 5976.1, 5987.1  
**Opuntia discolor**, 5976.1  
**Opuntia elata** [orange tuna], 5976.1  
**Opuntia ficus-indica** [Indian fig], 5976.1  
**Opuntia humifusa**, 5970  
**Opuntia leptocaulis**, 5978  
**Opuntia lindheimeri**, 5970  
**Opuntia macrorhiza**, 5970  
**Opuntia moniliformis**, 5976.1  
**Opuntia pusilla**, 5970  
**Opuntia quimilo**, 5976.1  
**Opuntia repens**, 5976.1  
**Opuntia retrorsa**, 5976.1  
**Opuntia rubescens**, 5976.1  
**Opuntia salmiana**, 5976.1  
**Opuntia spinosissima**, 5987.1  
**Opuntia stenantha**, 5976.1  
**Opuntia stricta**, 5970, 5976.1  
**Opuntia strigata**, 5976.1  
**Opuntia triacantha**, 5976.1  
**Opuntia utkilio**, 5976.1  
**Opuntia vulgaris** [prickly pear; Barbary fig], 5976.1  
 orange [see *Citrus* sp.] (Rutaceae)  
   Chinese box [see *Severinia buxifolia*] (Rutaceae)  
   mock [see *Murraya* sp.] (Rutaceae)  
   Osage [see *Maclura pomifera*] (Moraceae)  
   pineapple [see *Citrus sinensis* var.]  
   sour [see *Citrus aurantium*]  
   sunburst [see *Citrus sinensis* 'Sunburst']  
   sweet [see *Citrus sinensis*]  
   trifoliate [see *Poncirus trifoliata*] (Rutaceae)  
   Valencia [see *Citrus sinensis* 'Valencia']  
 orange tuna [see *Opuntia elata*] (Cactaceae)  
 orchid, 432.1  
   butterfly [see *Encyclia tampensis*] (Orchidaceae)  
   cowhorn [see *Cyrtopodium punctatum*] (Orchidaceae)  
   nun's [see *Phaius tankervilleae*] (Orchidaceae)  
 orchid tree [see *Bauhinia* sp.; *B. variegata*] (Leguminosae)  
**Origanum** sp. (Labiatae) [marjoram], 3977  
**Orontium** sp. (Araceae), 4755  
 orpine [see *Sedum telephium*] (Crassulaceae)  
**Orthocarpus** sp. (Scrophulariaceae) [owl clover], 2738  
**Orthocarpus lacerus**, 4440  
**Orthocarpus purpurascens**, 4440  
**Oryza sativa** (Gramineae) [rice], 4004, 4046, 4111, 4119, 4123, 5470, 5475, 5896, 8743, 9666, 10911, 11068  
**Oryzopsis** sp. (Gramineae), 3998  
 osier [see *Salix viminalis*] (Salicaceae)  
**Osmanthus americanus** (Oleaceae) [devilwood], 5550  
**Osmorhiza claytonii** (Umbelliferae) [woolly sweet cicely], 4159a  
**Osmorhiza longistylis** [aniseroot], 4159a

- Osmunda** sp. (Osmundaceae) [flowering fern], 5280?, 9482  
**Osmunda cinnamomea** [cinnamon fern], 2829, 9482  
**Osmunda regalis** [royal fern], 2829, 9482  
**Ostrya** sp. (Betulaceae) [hop hornbeam], 93, 4657, 4665, 4671, 4681, 7048  
**Ostrya virginiana** [American hop hornbeam; ironwood], 457, 1596, 2231, 4432, 4522a, 5680, 6258, 6798, 7084a, 7663, 7701, 7704, 7746, 7757, 7758, 7767, 7821, 7824, 7827, 7994, 8011, 8970, 8971, 9184  
 Otaheite gooseberry [see *Phyllanthus acidus*] (Euphorbiaceae)  
**Oxalis** sp. (Oxalidaceae) [wood sorrel], 8137, 9669, 9688  
 oxeye [see *Heliopsis* sp.] (Compositae)  
**Oxydendrum arboreum** (Ericaceae) [sourwood], 2281, 7706, 7871, 7902, 8140, 8316  
**Oxypolis filiformis** (Umbelliferae) [cowbane], 4159a  
**Oxypolis rigidior**, 921  
 oyster plant [see *Rhoeo spatheca*] (Commelinaceae)
- Paederia foetida** (Rubiaceae) [skunk vine], 7890  
**Paeonia officinalis** (Ranunculaceae), 7767  
**Palafoxia** sp. (Compositae) [palafoxia], 5919  
**Palafoxia linearis**, 4248  
**Palicourea grandifolia** (Rubiaceae), 7888  
 palm (Palmae), 304, 454, 8557, 8557.1  
   Alexander [see *Archontophoenix alexandrae*] (Palmae)  
   areca [see *Chrysalidocarpus lutescens*] (Palmae)  
   bamboo [see *Chamaedorea erumpens*] (Palmae)  
   bottle [see *Hyophorbe lagenicaulis*] (Palmae)  
   Burmese fishtail [see *Caryota mitis*] (Palmae)  
   cabbage [see *Sabal palmetto*] (Palmae)  
   Canary Island date [see *Phoenix canariensis*] (Palmae)  
   Caribbean royal [see *Roystonea oleracea*] (Palmae)  
   Chinese fan [see *Livistona chinensis*] (Palmae)  
   coconut [see *Cocos nucifera*] (Palmae)  
   common date [see *Phoenix dactylifera*]  
   common Princess [see *Dictyosperma album*] (Palmae)  
   date [see *Phoenix* sp.]  
   desert fan [see *Washingtonia filifera*] (Palmae)  
   European fan [see *Chamaerops humilis*] (Palmae)  
   Everglades [see *Acoelorrhaphe wrightii*] (Palmae)  
   fan [see *Coccothrinax* sp.] (Palmae)  
   fishtail [see *Caryota* sp.] (Palmae)  
   Florida royal [see *Roystonea elata*] (Palmae)  
   Florida silver [see *Coccothrinax argentata*] (Palmae)  
   foxtail [see *Wodyetia bifurcata*] (Palmae)  
   jelly [see *Butia capitata*] (Palmae)  
   lady [see *Rhapis* sp.] (Palmae)  
   latan [see *Latania* sp.] (Palmae)  
   Manila [see *Veitchia merrillii*] (Palmae)  
   Mazari [see *Nannorrhops ritchiana*] (Palmae)  
   Mexican Washington [see *Washingtonia robusta*] (Palmae)  
   parlor [see *Chamaedorea elegans*]  
   peach [see *Bactris gasipaes*] (Palmae)  
   pigmy date [see *Phoenix roebelenii*]  
   queen [see *Arecastrum romanzoffianum*] (Palmae)  
   royal [see *Roystonea* sp.] (Palmae)  
   sago [see *Cycas revoluta*] (Cycadaceae)  
   saw cabbage [see *Paurotis wrightii*] (Palmae)  
   Senegal date [see *Phoenix reclinata*]  
   sentry [see *Howea forsterana*] (Palmae)  
   Texas [see *Sabal mexicana*] (Palmae)  
   thatch [see *Thrinax radiata*] (Palmae)  
   windmill [see *Trachycarpus fortunei*] (Palmae)  
 palm-beach-bells [see *Kalanchoe* sp.] (Crassulaceae)  
 palmetto [see *Sabal* sp.] (Palmae)  
   saw [see *Serenoa repens*] (Palmae)  
 pampas grass [see *Cortaderia selloana*] (Gramineae)  
**Pancratium** sp. (Amaryllidaceae), 10640  
**Pancratium declinatum**, 10640  
**Pancratium rotatum**, 10640  
**Pandanus** sp. (Pandanaceae) [screwpine], 304  
**Pandanus utilis**, 432.1  
**Panicum** sp. (Gramineae) [panic grass], 1119, 4004, 4041, 4047, 4050, 4064a, 4949, 8743  
**Panicum capillare**, 3998  
*Panicum clandestinum* [see *Dichantelium clandestinum*]  
**Panicum dichotomum**, 1490, 4047  
*Panicum fasciculatum* [see *Brachiaria fasciculatum*]  
**Panicum lanuginosum**, 6043  
**Panicum maximum** [Guinea grass], 3996, 3998, 8743  
**Panicum miliaceum** [millet], 8465, 9666, 10438  
*Panicum oligsanthes* var. *scribnerianum* [see *Dichantelium oligsanthes* var. *scribnerianum*]  
**Panicum purpurascens** [Para grass], 8589?, 8658?, 8739?, 8743, 8746, 9666  
**Panicum virgatum** [switch grass], 4029, 4051  
 pansy [see *Viola tricolor* var. *hortensis*] (Violaceae)  
**Papaver** sp. (Papaveraceae) [poppy], 11068  
**Papaver somniferum** [opium poppy], 10438  
 papaya [see *Carica papaya*] (Caricaceae)  
 paperbark tree [see *Melaleuca quinquenervia*] (Myrtaceae)  
 papyrus [see *Cyperus papyrus*] (Cyperaceae)  
 paradise tree [see *Simarouba glauca*] (Simaroubaceae)  
**Parietaria** sp. (Urticaceae) [pellitory], 4435  
**Parietaria floridana**, 1472, 4437a  
**Parietaria pensylvanica**, 4437a  
 parilla, yellow [see *Menispermum canadense*] (Menispermaceae)  
**Parkinsonia** sp. (Leguminosae), 2272, 8610  
**Parkinsonia aculeata** [Jerusalem thorn], 6332.1, 8610  
**Parmentiera cereifera** (Bignoniaceae) [candletree], 5564  
 parrot's feather [see *Myriophyllum aquaticum*] (Haloragidaceae)  
 parrotleaf [see *Alternanthera ficoidea* 'Amoena'] (Amaranthaceae)  
 parsley [see *Petroselinum crispum*] (Umbelliferae)  
   turnip-rooted [see *Petroselinum crispum* var. *tuberosum*]  
 parsnip [see *Pastinaca sativa*] (Umbelliferae)  
   cow [see *Heracleum* sp.] (Umbelliferae)  
   water [see *Sium suave*] (Umbelliferae)  
**Parthenium argentatum** (Compositae) [guayule], 4435, 8131, 8140, 10663, 11072  
**Parthenium hysterophorus**, 2600, 7071  
**Parthenocissus** sp. (Vitaceae), 7866  
**Parthenocissus quinquefolia** [Virginia creeper], 2531, 4624, 6660, 7196, 7197, 7648, 7686, 7767, 7851, 7859, 7859.1, 7861, 7870, 7871, 7873, 7885, 7894, 8129, 8137, 8140, 8146, 8203, 8316, 9301, 9314, 9316, 9638  
**Parthenocissus tricuspidata** [Boston ivy], 7871, 7873, 8137, 8203, 9638  
**Parthenocissus tricuspidata** 'Veitchii', 2531  
 partridge-pea [see *Cassia fasciculata*] (Leguminosae)  
**Paspalum** sp. (Gramineae), 4046  
**Paspalum caespitosum**, 4046  
**Paspalum conjugatum**, 4013  
**Paspalum dilatatum** [dallis grass], 8465  
**Paspalum notatum** [Bahia grass], 5274, 9666, 9669, 9672, 10438, 10911  
**Paspalum setaceum**, 4045  
**Paspalum setaceum** var. *ciliatifolium*, 4045

- Passiflora** sp. (Passifloraceae) [passion flower], 4158a, 4413a, 4416a, 4418a, 4447, 7793  
**Passiflora affinis**, 4413a, 4418  
**Passiflora caerulea** [blue passion flower], 4413a, 4416a, 4418a, 4447  
**Passiflora edulis** [passion fruit; purple granadilla], 4413a, 4416a  
**Passiflora foetida** [running pop], 4413a, 4447  
**Passiflora heterophylla**, 4418a  
**Passiflora incarnata** [maypop; wild passion flower], 4413a, 4447, 8131, 10664  
**Passiflora laurifolia** [yellow granadilla], 4413a  
**Passiflora lutea**, 4413a, 4418  
**Passiflora lutea** var. **glabriflora**, 4416a  
**Passiflora pallida**, 4418a  
**Passiflora suberosa**, 4413a, 4418  
**Passiflora tenuiloba**, 4413a  
 passion flower [see *Passiflora* sp.] (Passifloraceae)  
 blue [see *Passiflora caerulea*]  
 wild [see *Passiflora incarnata*]  
 passion fruit [see *Passiflora edulis*] (Passifloraceae)  
**Pastinaca sativa** (Umbelliferae) [parsnip], 4159a, 4947, 8137, 10438, 10805  
**Paulownia tomentosa** (Scrophulariaceae) [princess tree], 8140, 8316  
**Paurotis** sp. (Palmae), 4079  
**Paurotis wrightii** [saw cabbage palm], 1422, 4079  
 pawpaw [see *Asimina* sp.; *Asimina triloba*] (Annonaceae)  
 pea [see *Pisum* sp.] (Leguminosae)  
 black-eyed [see *Vigna unguiculata unguiculata*] (Leguminosae)  
 butterfly [see *Centrosema* sp.; *C. virginianum*] (Leguminosae)  
 garden [see *Pisum sativum*]  
 hoary [see *Tephrosia* so] (Leguminosae)  
 Partridge [see *Cassia fasciculata*] (Leguminosae)  
 pigeon [see *Cajanus cajan*] (Leguminosae)  
 rosary [see *Abrus* sp.] (Leguminosae)  
 sweet [see *Lathyrus odoratus*] (Leguminosae)  
 wild [see *Lathyrus* sp.]  
 pea tree [see *Caragana* sp.] (Leguminosae)  
 peach [see *Prunus persica*] (Rosaceae)  
 peanut [see *Arachis hypogaea*] (Leguminosae)  
 hog [see *Amphicarpaea* sp.] (Leguminosae)  
 peanut hay, 5531  
 pear [see *Pyrus* sp.] (Rosaceae)  
 balsam [see *Momordica charantia*] (Cucurbitaceae)  
 common [see *Pyrus communis*]  
 prickly [see *Opuntia* sp.; *Opuntia vulgaris*] (Cactaceae)  
 pecan [see *Carya illinoensis*] (Juglandaceae)  
 bitter [see *Carya aquatica*]  
**Pectis papposa** (Compositae), 8887  
**Pedicellaria pentaphylla** (Capparidaceae), 4198a  
**Pelargonium** sp. (Geraniaceae) [geranium], 6590, 6982a, 7894, 8137, 8140, 8890, 11068  
**Pelargonium hortorum** [house geranium], 4647, 8316, 8887, 8890, 9665, 9666, 9669, 9672, 11071  
**Pelargonium zonale**, 11071  
 pelican flower [see *Aristolochia grandiflora*] (Aristolochiaceae)  
 pellitory [see *Parietaria* sp.] (Urticaceae)  
 pencil flower [see *Stylosanthes biflora*] (Leguminosae)  
**Pennisetum americanum** (Gramineae) [pearl millet], 9666  
**Pennisetum azureus**, 4440  
**Pennisetum ciliare**, 3998, 4111  
*Pennisetum glaucum* [see *Pennisetum americanum*]  
**Pennisetum purpureum** [Napier grass], 5475, 8991, 9665  
**Pennisetum setaceum** [fountain grass], 11068  
 pennyroyal, American [see *Hedeoma pulegioides*] (Labiatae)  
 bastard [see *Trichostema dichotomum*] (Labiatae)  
 pennywort, water [see *Hydrocotyl* sp.] (Umbelliferae)  
**Penstemon** sp. (Scrophulariaceae) [beard tongue], 2738, 3695, 10099  
**Penstemon antirrhinoides**, 9679  
**Penstemon cordifolius**, 9679  
**Pentas** sp. (Rubiaceae), 7890, 11071  
**Pentas lanceolata** [star-cluster], 9672  
**Peperomia** sp. (Piperaceae), 3745, 4647, 4938, 8137, 8887, 8890, 9669, 9670, 9672  
**Peperomia obtusifolia** [baby rubber plant], 8890  
 pepper [see *Capsicum* sp.] (Solanaceae)  
 [see *Piper* sp.] (Piperaceae)  
 bell [see *Capsicum annuum* 'Grossum group']  
 Brazilian [see *Schinus terebinthifolius*] (Anacardiaceae)  
 red [see *Capsicum frutescens*]  
 pepperbush, sweet [see *Clethra alnifolia*] (Clethraceae)  
 peppergrass [see *Lepidium* sp.] (Gramineae)  
 pepper vine [see *Ampelopsis arborea*] (Vitaceae)  
 pepperwort [see *Marsilea* sp.] (Marsileaceae)  
**Peraphyllum ramosissimum** (Rosaceae), 4363  
 peregrina [see *Jatropha integerrima*] (Euphorbiaceae)  
 periwinkle [see *Vinca* sp.] (Apocynaceae)  
**Persea** sp. (Lauraceae) [bay], 2415, 3635, 4671  
**Persea americana** [avocado], 442, 454, 457, 623, 851.2, 2415, 2700.2, 3606, 3745, 4182, 5582, 6604, 7704, 7746, 8146, 9672, 10664, 10915, 11068  
**Persea borbonia** [red bay], 457, 2415, 3606, 4170, 4176, 4181, 4182, 7715, 8316  
**Persea carolinensis**, 1398  
**Persea palustris**, 4184  
 persimmon [see *Diospyros* sp.] (Ebenaceae)  
 common [see *Diospyros virginiana*]  
 Japanese [see *Diospyros khaki*]  
 Texas [see *Diospyros texana*]  
 Peruvian carrot [see *Arracacia xanthorrhiza*] (Umbelliferae)  
*Petalostemon* sp. [see *Dalea* sp.] (Leguminosae)  
**Petrophytum caespitosum** (Rosaceae) [rock spiraea], 4363  
**Petroselinum** sp. (Umbelliferae), 4159a  
**Petroselinum crispum** [parsley], 4159a, 10664  
**Petroselinum crispum** var. **tuberosum** [turnip-rooted parsley], 4159a  
*Petroselinum hortense* [see *Petroselinum crispum* var. *tuberosum*]  
 petunia [see *Petunia* sp.] (Solanaceae)  
 garden [see *Petunia hybrida*]  
 large white [see *Petunia axillaris*]  
**Petunia** sp. (Solanaceae) [petunia], 4435, 8137, 8146, 9665, 9669, 10664, 11068  
**Petunia axillaris** [large white petunia], 8137, 9669  
**Petunia hybrida** [garden petunia], 8887, 9665  
**Phacelia campanularia** (Hydrophyllaceae), 4435  
**Phaius tankervilleae** (Orchidaceae) [nun's orchid], 9670  
**Phalaris** sp. (Gramineae) [canary grass], 9425  
**Phaseolus** sp. (Leguminosae) [beans], 3633, 3886, 3889, 4210, 4359a, 4949, 4975, 5079, 5212, 5744, 5896, 6078?, 7746, 7958, 8137, 8398, 8574, 8890, 8891, 9670, 9671, 9720, 10444  
**Phaseolus grayanus**, 3902  
**Phaseolus lunulatus** var. **lunonanus**, 4356  
**Phaseolus lunulatus** var. **macrocarpus**, 4336



- Phaseolus lathyroides**, 3886  
**Phaseolus limensis** [lima bean], 3274, 3695, 3886, 4336, 4356a, 5212, 5725, 5736, 5744, 5895, 5896, 7890, 8131, 8137, 8465, 8574, 9666, 9670, 9672, 10664, 11068  
**Phaseolus polystachyus**, 3870, 3886, 4361, 9672  
**Phaseolus semierectus**, 8574  
**Phaseolus vulgaris** [green bean], 3886, 4336, 4356, 4435, 7746, 8131, 8137, 8465, 8887, 8890, 8891, 8895, 8924, 9272, 9665, 9666, 9669, 9672, 10223, 10304, 10438, 10648, 10661, 10663, 10664, 10670, 10674, 10676, 10805, 11068  
**Phaseolus wrightii**, 3902  
**Philadelphus inodorus** (Saxifragaceae), 7767  
 philibertia [see *Sarcostemma* sp.] (Asclepiadaceae)  
 philodendron [see *Philodendron* sp.] (Araceae)  
 heartleaf [see *Philodendron scandens*]  
**Philodendron** sp. (Araceae) [philodendron], 7746, 9669, 9671  
**Philodendron cordatum** [heart-leaf], 8887, 9666, 9669  
**Philodendron hastatum**, 9669  
**Philodendron lundii**, 9670  
**Philodendron mandaianum**, 9669  
*Philodendron micans* [see *Philodendron scandens*]  
**Philodendron minarium**, 9669  
*Philodendron oxycardium* [see *Philodendron scandens*]  
**Philodendron panduriforme**, 9669  
**Philodendron pertusum**, 8130, 8131, 8887, 9669, 9670  
**Philodendron scandens** [heartleaf philodendron, 432.1, 9670]  
**Philodendron selloum**, 4700, 8140, 9669, 9670  
**Phleum pratense** (Gramineae) [timothy grass], 4041, 9406, 9666, 10438, 10731, 10915  
**Phlox** sp. (Polemoniaceae) [phlox], 11068, 11072  
**Phlox speciosa**, 8323  
**Phoenix** sp. (Palmae) [date palm], 4079  
**Phoenix canariensis** [Canary Island date palm], 432.1, 1422, 4700  
**Phoenix dactylifera** [common date palm], 1422, 5723  
**Phoenix reclinata** [Senegal date palm], 1422, 4079, 4647, 8556  
**Phoenix roebelenii** [pigmy date palm], 4079, 4700, 8131, 9666, 11068  
**Phoradendron** sp. (Loranthaceae) [mistletoe], 4270, 5725  
**Phoradendron bolleanum** var. **densum**, 4270  
**Phoradendron californicum**, 4270  
**Phoradendron flavescens**, 4270  
**Phoradendron juniperinum**, 4270  
**Phoradendron serotinum** [American mistletoe], 4270  
**Phoradendron villosum**, 4270  
 photinia, Chinese [see *Photinia serrulata*] (Rosaceae)  
 Japanese [see *Photinia glabra*]  
**Photinia** sp. (Rosaceae), 3426, 3633, 3745, 4700, 8316  
*Photinia arbutifolia* [see *Heteromeles arbutifolia*] (Rosaceae)  
**Photinia fraseri**, 3633, 7704  
**Photinia glabra** [Japanese photinia], 9272  
**Photinia serrulata** [Chinese photinia], 454, 4679  
**Phragmites australis** (Gramineae), 4064a  
**Phyla** sp. (Verbenaceae), 4443, 4480  
**Phyla lanceolata** [northern frogfruit], 4440, 4480, 6119, 6119.1  
**Phyla nodiflora**, 4440, 4442a, 4443a, 4480, 5287, 10664  
**Phyla reptans**, 4442a  
**Phyla scaberrima**, 5287  
**Phyllanthus** sp. (Euphorbiaceae), 4115?  
**Phyllanthus acidus** [gooseberry tree; Otaheite gooseberry], 2704, 6616, 6617  
**Phyllanthus angustifolius** [foliage flower], 6616  
**Phyllanthus latifolius**, 8560  
**Physalis** sp. (Solanaceae) [ground cherry], 5107, 9671, 11068, 11070  
**Physalis angulata**, 7775, 8131, 11071  
**Physalis pubescens** [downy ground cherry], 11068  
**Physalis turbinata**, 11071  
**Physalis viscosa**, 7775, 7776, 11068, 11071  
**Physaria** sp. (Cruciferae), 4192  
 physic nut [see *Jatropha curcas*] (Euphorbiaceae)  
**Physocarpus** sp. (Rosaceae) [ninebark], 2549  
**Physocarpus monogynus**, 4363  
**Physocarpus opulifolius**, 457, 7767, 7824  
**Physostegia** sp. (Labiatae) [false dragonhead], 2738  
**Phytolacca** sp. (Phytolaccaceae) [pokeweed], 5280, 9666  
**Phytolacca americana** [Virginian pokeweed], 457, 1683, 7061, 8140, 8146, 9669, 9672  
**Picea** sp. (Pinaceae) [spruce], 457, 2745, 3638, 3643, 3695, 3699, 3748, 5841, 6449, 6582, 6620, 6843, 6894a, 6908, 7704, 7767, 8316, 9182, 9678, 10007, 10967  
**Picea abies** [Norway spruce], 457, 3638, 8318  
**Picea engelmannii** [Engelmann spruce], 3638, 6352, 6598, 6863, 6888, 8397, 10967  
**Picea glauca** [white spruce], 3635, 3637, 3638, 3643, 3693, 3695, 3722, 3748, 4328, 6352, 6598, 6621a, 6863, 6885, 7048, 8318, 8397, 9241, 10967  
**Picea mariana** [black spruce], 3638, 3643, 3748, 6352, 6598, 6863, 8307, 8318, 8397, 10967, 10969  
**Picea pungens** [Colorado spruce], 3638, 3748, 8318, 8323  
**Picea rubens** [red spruce], 3638, 3748, 6598, 6863, 8318, 10967  
**Picea sitchensis** [Sitka spruce], 3602, 3638, 6352, 6863, 8397  
 pickerel weed [see *Pontederia* sp.; *P. cordata*] (Pontederiaceae)  
**Picramnia andicola** (Simaroubaceae), 4240a  
**Picramnia pentandra**, 4240a  
 pigeon pea [see *Cajanus* sp., *C. cajan*] (Leguminosae)  
 pigeon plum [see *Coccoloba diversifolia*] (Polygonaceae)  
 pigweed [see *Chenopodium* sp.] (Chenopodiaceae)  
**Pilea** sp. (Urticaceae), 9669  
**Pilea cadierei** [aluminum plant], 9672  
**Pilea microphylla** (Urticaceae) [artillery plant], 8146  
**Pilea pumila**, 1472  
**Pimpinella anisum** (Umbelliferae) [anise], 7746  
**Pinckneya pubens** (Rubiaceae) [fever tree], 7998  
 pine [see *Pinus* sp.] (Pinaceae)  
 Australian [see *Casuarina* sp.] (Casuarinaceae)  
 Austrian [see *Pinus nigra*]  
 Caribbean [see *Pinus caribaea*]  
 Chinese [see *Crassula tetragona*] (Crassulaceae)  
 Cuban [see *Pinus cubensis*]  
 Eastern white [see *Pinus strobus*]  
 Himalayan white [see *Pinus wallichiana*]  
 jack [see *Pinus banksiana*]  
 limber [see *Pinus flexilis*]  
 loblolly [see *Pinus taeda*]  
 lodgepole [see *Pinus contorta* var. *latifolia*]  
 longleaf [see *Pinus palustris*]  
 Monterey [see *Pinus radiata*]  
 Norfolk Island [see *Araucaria heterophylla*] (Araucariaceae)  
 pitch [see *Pinus rigida*]

- red [see *Pinus resinosa*]  
 sand [see *Pinus clausa*]  
 Scotch [see *Pinus sylvestris*]  
 shortleaf [see *Pinus echinata*]  
 slash [see *Pinus elliotii*]  
 south Florida slash [see *Pinus elliotii* var. *densa*]  
 Table Mountain [see *Pinus pungens*]  
 Virginia [see *Pinus virginiana*]  
 western white [see *Pinus monticola*]  
 pineapple [see *Ananas comosus*] (Bromeliaceae)  
 wild [see *Tillandsia fasciculata*] (Bromeliaceae)  
 pineapple guava [see *Feijoa sellowiana*] (Myrtaceae)  
 pine tree, miniature [see *Crassula tetragona*] (Crassulaceae)  
**Pinus** sp. (Pinaceae) [pine], 454, 457, 1840, 2229, 2549, 2668, 2671, 2898, 3487, 3637, 3638, 3643, 3693, 3695, 3740, 3748, 3751?, 4328, 4336, 5595, 5841, 5847, 5853, 6005, 6339, 6582, 6620, 6654, 6888, 6892, 6908, 6964, 7237, 7674?, 7704, 7706, 7757, 7764, 7816, 8137, 8140, 8307, 8316, 8699, 8700, 8704, 8713, 9182, 9272, 9678, 10007, 10967  
**Pinus banksiana** [jack pine], 2879, 3486, 3602, 3603, 3637, 3638, 3643, 3695, 3699, 3740, 3748, 4328, 6341, 6598, 7704, 8318, 8702, 10967  
**Pinus caribaea** [Caribbean pine], 2869, 2882, 5595  
**Pinus clausa** [sand pine], 2879, 5595, 6908  
**Pinus cubensis** [Cuban pine], 2882  
**Pinus contorta**, 6341  
**Pinus contorta** var. **latifolia** [lodgepole pine], 3602, 3603, 3638, 3643, 3748, 6598  
**Pinus divaricata**, 6339, 6341  
**Pinus echinata** [shortleaf pine], 2868, 2882, 3072, 4328, 6005.1, 7704, 9182  
**Pinus elliotii** [slash pine], 1194, 1503, 2869, 2882, 2885, 3415, 3488, 3602, 5595, 5597, 5852.1, 5853, 5863.1, 7608  
**Pinus elliotii** var. **densa** [south Florida slash pine], 5595  
**Pinus flexilis** [limber pine], 8318  
**Pinus monticola** [western white pine], 3638  
**Pinus nigra** [Austrian pine], 2229  
**Pinus occidentalis**, 2882  
**Pinus palustris** [longleaf pine], 1194, 1802, 2869, 3415, 3488, 5852.1, 5853, 10521  
**Pinus pungens** [Table Mountain pine], 2882  
**Pinus radiata** [Monterey pine], 2882  
**Pinus resinosa** [red pine], 2868, 2879, 3486, 3638, 3643, 3695, 4328, 6341, 6869, 6888, 8318, 10521, 10967  
**Pinus rigida** [pitch pine], 2868, 2882, 2885, 3603, 3643, 4328, 6598, 6868, 7706, 8318  
**Pinus strobus** [Eastern white pine], 457, 3602, 3638, 3643, 3695, 3748, 4328, 6341, 6598, 6863, 6868, 6888, 7704, 7706, 8318, 9182, 9678, 10007  
**Pinus sylvestris** [Scotch pine], 2229, 2879, 3638, 3643, 3693, 3748, 4328, 6341, 6598, 8318  
**Pinus taeda** [loblolly pine], 1503, 2868, 2869, 2882, 2885, 2890, 3603, 4328, 5595, 5852.1, 5852.2, 7816  
**Pinus tropicalis**, 2869  
**Pinus virginiana** [Virginia pine], 2868, 2882, 3258, 3486, 3643, 4328, 6336, 6341, 6655, 7816, 8140, 8708  
**Pinus wallichiana** [Himalayan white pine], 7704  
 pinxterbloom [see *Rhododendron periclymenoides*] (Ericaceae)  
**Piper** sp. (Piperaceae) [pepper], 3745, 8542, 10664, 10915, 11068  
**Piper aduncum**, 4170  
**Piper mollicomum**, 4170  
**Piper peltatum**, 4170  
**Piper umbellatum**, 4170  
 pipevine [see *Aristolochia durior*] (Aristolochiaceae)  
**Piptadenia contorta** (Leguminosae), 454  
**Pipturus** sp. (Urticaceae), 304  
**Pipturus albidus**, 4437a  
**Piriqueta caroliniana** (Turneraceae), 4447  
**Piscidia** sp. (Leguminosae), 1611  
**Piscidia piscipula** [Florida fish-poison tree; Jamaica dogwood], 701.1, 3872, 4356a, 7746  
**Pisonia aculeata** (Nyctaginaceae) [pisonia], 1684, 2494, 2495, 5267, 7061, 7417  
**Pisonia rotundata**, 5270  
**Pistia stratiotes** (Araceae) [water lettuce], 4755, 4770, 5151  
**Pisum** sp. (Leguminosae) [pea], 5212, 5725, 5744, 5896, 7958, 8574, 9672, 10663  
**Pisum sativum** [garden pea], 3886, 4209, 4210, 4335, 4436, 8129, 8131, 8137, 8465, 8574, 8887, 9665, 9666, 9669, 10223, 10304, 10438, 10661, 10664, 10670, 10674, 10676, 10731, 10915, 10942.1, 11068  
 pitcher plant [see *Sarracenia* sp.] (Sarracenaceae)  
 common [see *Sarracenia purpurea*]  
 hooded [see *Sarracenia minor*]  
 yellow [see *Sarracenia flava*]  
**Pithecellobium** sp. (Leguminosae), 3745, 4356, 8658  
**Pithecellobium dulce** [huamuchil], 3493.1, 4231a, 8658  
**Pithecellobium flexicaule** [Texas ebony], 4231a, 5724  
**Pithecellobium guadalupense** [blackbead], 4231a, 4358a  
**Pithecellobium keyense**, 4231a, 4356a  
**Pithecellobium unguis-cati** [cats-claw], 1642, 3482, 4231a, 4356a, 8649  
 pittosporum, Japanese [see *Pittosporum tobira*] (Pittosporaceae)  
**Pittosporum tobira** (Pittosporaceae) [Japanese pittosporum], 7865, 9666  
**Pityopsis graminifolia** (Compositae), 11116, 11116.1, 11140  
**Pityopsis pinifolia**, 11112  
 plane tree, Oriental [see *Platanus orientalis*] (Plantaginaceae)  
 plant, aluminum [see *Pilea cadierei*] (Urticaceae)  
 artillery [see *Pilea microphylla*]  
 plant louse, jumping (Homoptera: Aphididae), 1513  
**Plantago** sp. (Plantaginaceae) [plantain], 4446, 4447, 4481a, 4490a, 7894, 8114, 8131, 8136, 8137, 8146, 8169, 8196a, 8197, 8199, 8316, 8887, 8924, 9274, 9560, 9665, 9887, 10563, 10627a, 10664, 10670, 10911, 10915, 10942.1  
**Plantago coronopus**, 4440  
**Plantago helleri**, 4440  
**Plantago hookeriana**, 4440  
**Plantago lanceolata** [narrow-leaved plantain], 4435, 4440, 8146, 8199, 9669, 10397, 10915  
**Plantago major** [common plantain], 4440, 8129, 8171, 10397  
**Plantago rugelii**, 4440, 8146  
**Plantago virginica**, 4440  
 plantain [see *Musa acuminata*] (Musaceae)  
 plantain [see *Plantago* sp.] (Plantaginaceae)  
 common [see *Plantago major*]  
 narrow-leaved [see *Plantago lanceolata*]  
**Platanus** sp. (Platanaceae) [sycamore], 454, 3648, 4697, 8140  
**Platanus occidentalis** [buttonwood; Eastern sycamore], 43, 44, 457, 3370, 3375, 4176, 5604, 7704, 7706, 7746,

- 7757, 7906, 7974, 7975, 8140, 8203, 8204, 8316, 8318, 9200, 9666
- Platanus orientalis** [Oriental plane tree], 457, 7704, 7706  
plateau live oak [see *Quercus fusiformis*] (Fagaceae)
- Platynerium bifurcatum** (Polypodiaceae) [common stag-horn fern], 9630
- Pluchea** sp. (Compositae), 2302
- Pluchea odorata** [marsh fleabane], 524, 5947, 7059, 9076
- Pluchea purpurascens** [camphorweed], 6155
- Pluchea rosea**, 6160, 8131
- plum [see *Prunus domestica*] (Rosaceae)  
beach [see *Prunus maritima*]  
Canada [see *Prunus nigra*]  
chickasaw [see *Prunus angustifolia*]  
date [see *Diospyros lotus*] (Ebenaceae)  
ground [see *Astragalus crassicaupus*] (Leguminosae)  
Guiana [see *Drypetes lateriflora*] (Euphorbiaceae)  
hog [see *Spondias mombin*] (Anacardiaceae)  
Java [see *Syzygium cumini*] (Myrtaceae)  
Mexican [see *Prunus mexicana*]  
Natal [see *Carissa grandiflora*] (Apocynaceae)  
pigeon [see *Coccoloba diversifolia*] (Polygonaceae)  
wild [see *Prunus americana*]
- Plumbago** sp. (Plumbaginaceae) [leadwort], 8146, 11071
- Plumbago auriculata** [Cape leadwort], 4356, 9670, 9672
- Plumbago scandens**, 4356
- Plumeria** sp. (Apocynaceae) [frangipani], 433.1, 4356, 7746, 7830
- Plumeria alba**, 7830
- Plumeria obtusa**, 432.1
- Plumeria rubra** [nosegay], 7830
- Poa** sp. (Gramineae) [bluegrass], 4004, 4105, 10444
- Poa annua** [annual bluegrass], 9666, 10438
- Poa nemoralis**, 9666
- Poa pratensis** [Kentucky bluegrass], 4013, 4041, 4096, 4111, 4587, 8316, 8509, 9666, 10368, 10438, 10670, 10731, 10911
- Podocarpus** sp. (Podocarpaceae), 454, 4700, 8146
- Podocarpus macrophylla**, 457, 8131
- Podophyllum** sp. (Berberidaceae) [mayapple], 4285b
- Podophyllum peltatum** [mayapple], 4285b, 4447?
- Podranea ricasoliana** (Bignoniaceae) [pink trumpet vine], 5565
- Poepigia** sp. (Leguminosae), 8610
- poinciana [see *Caesalpinia* sp.] (Leguminosae)  
dwarf [see *Caesalpinia pulcherrima*]  
Royal [see *Delonix regia*] (Leguminosae)
- poinsettia [see *Euphorbia pulcherrima*] (Euphorbiaceae)  
wild [see *Euphorbia heterophylla*]
- poison ivy [see *Rhus radicans*] (Anacardiaceae)
- poison oak [see *Rhus radicans*] (Anacardiaceae)  
western [see *Rhus diversiloba*]
- poisontree, Florida [see *Metopium toxiferum*] (Anacardiaceae)
- pokeweed [see *Phytolacca* sp.] (Phytolaccaceae)  
Virginian [see *Phytolacca americana*]
- Polanisia** sp. (Capparidaceae), 4198a
- Polianthes tuberosa** (Agavaceae) [Mexican tuberose], 10640?
- (**Polistes** sp. wasps) (Hymenoptera), 4896 [predaceous]
- polyanthus [see *Narcissus tazetta*] (Amaryllidaceae)
- Polygala cumulicola** (Polygalaceae) [milkwort], 9561
- Polygonum** sp. (Polygonaceae) [knotweed; smartweed], 1706, 2072, 3202, 4755, 4760, 4946, 4947, 4949, 5156, 6620, 6743, 6982a, 7414, 7416, 7894, 8137, 8171, 8199, 8465, 9053, 9055.1, 9057, 9560, 10805
- Polygonum amphibium**, 8131
- Polygonum aviculare**, 7146, 7330, 7416, 10664, 10915
- Polygonum convolvulus**, 2072, 4157, 8137
- Polygonum densiflorum**, 1706, 2072, 3627, 4946
- Polygonum erectum**, 817
- Polygonum hydropiper**, 4157, 6982a, 7146, 7414, 7416, 9272, 9280
- Polygonum lapathifolium**, 4336, 9280
- Polygonum maritimum**, 2183
- Polygonum pensylvanicum**, 2072, 11063, 11068
- Polygonum persicaria**, 7414, 8129, 9057
- Polygonum phytolaccaefolium**, 4336
- Polygonum punctatum**, 1706, 2072, 3627, 3633, 3745, 8131, 8137, 8171, 8885, 9057, 9272
- Polygonum oxyspermum raii**, 7146
- Polygonum scandens** var. **cristatum**, 4157, 7147
- Polygonum setaceum**, 8885
- Polymnia uvedalia** (Compositae) [bearsfoot], 9469
- Polypodium** sp. (Polypodiaceae) [polypody fern], 9630
- Polypodium polypodioides** [resurrection fern], 9670
- polypody [see *Polypodium* sp.] (Polypodiaceae)
- Polyporus** sp. (Polyporaceae), 266
- Polyporus betulinus** [fungus], 1068
- Polyporus tulipiferus**, 261
- Polyscias balfouriana** (Araliaceae) [Balfour aralia], 432.1
- Polyscias fruticosa** [Ming aralia], 432.1
- Polyscias fruticosa 'Elegans'**, 432.1, 3635
- Polystichum** sp. (Polypodiaceae) [shield fern], 1042
- Polystichum adiantiforme* [see *Rumohra adiantiformis*] (Polypodiaceae)
- pomegranate [see *Punica granatum*] (Punicaceae)
- pomelo [see *Citrus maxima*] (Rutaceae)
- Poncirus trifoliata** (Rutaceae) [trifoliolate orange], 854.1
- pond apple [see *Annona glabra*] (Annonaceae)
- pondberry [see *Lindera melissifolia*] (Lauraceae)
- pond spice [see *Litsea aestivalis*] (Lauraceae)
- pondweed [see *Potamogeton* sp.] (Potamogetonaceae)
- Pongamia pinnata** (Leguminosae) [karum tree], 854.1, 3872, 8658?
- Pontederia** sp. (Pontederiaceae) [pickerel weed], 4755, 9526
- Pontederia cordata** [pickerel weed], 4755, 5149, 9523, 9525a
- Pontederia lanceolata**, 9272
- ponytail [see *Beaucarnea recurvata*] (Agavaceae)
- pop, running [see *Passiflora foetida*] (Passifloraceae)
- popinac, white [see *Leucaena leucophala*] (Leguminosae)
- poplar [see *Populus* sp.] (Salicaceae)  
balsam [see *Populus balsamifera*]  
black [see *Populus nigra*]  
Lombardy [see *Populus nigra* var. *italica*]  
white [see *Populus alba*]
- poppy [see *Papaver* sp.] (Papaveraceae)  
California [see *Eschscholzia californica*] (Papaveraceae)  
opium [see *Papaver somniferum*]  
prickly [see *Argemone platyceras* var. *hispida*] (Papaveraceae)
- poppy mallow [see *Callirhoe* sp.] (Malvaceae)
- Populus** sp. (Salicaceae) [poplar; aspen], 957, 2523, 2693, 3597, 3635, 3637, 3648, 3720, 3725, 3748, 4176, 4432a, 4522a, 4523a, 4644, 4671, 4697, 4699, 5215, 5995, 6449, 6570, 6586, 6590, 6597, 6598, 6599, 6621b, 6652b, 6658, 6677, 6678, 6796, 6797, 6798, 6885, 7670, 7686, 7698, 7701, 7730, 7757, 7764, 7767, 7821, 7825, 7828, 7896a, 7931, 7936, 7937, 7942, 7975, 8007, 8009,

- 8010, 8011, 8012, 8140, 8203, 8316, 8318, 8465, 8832.1, 8834, 8897, 8975, 9200, 9203, 9205, 9212, 9257, 9259, 9272, 9274, 9280, 9281, 9638, 9662, 9910, 9952, 10223, 10495, 10915
- Populus alba** [white poplar], 3637, 4432, 4522a, 4523a, 7824, 8140, 8316, 8318
- Populus balsamifera** [balsam poplar], 457, 3635, 3637, 4176, 4432, 4522a, 4523a, 4956, 7767, 7824, 7828, 7931, 8140, 8316, 9638, 10223
- Populus deltoides** [cottonwood], 457, 3226, 4176, 4432a, 4522a, 4523a, 7828, 7896a, 7931, 8140, 8316, 8318, 8834, 9205, 9638, 9669, 10397
- Populus fremontii** [Fremont cottonwood], 4523a, 7701, 7828, 7931, 8010, 8140, 8316, 8834
- Populus gileadensis** [balm-of-Gilead], 4432a, 4523a, 7746, 7828, 7931, 8318
- Populus grandidentata** [bigtooth aspen], 2281, 3720, 4176, 4432, 4522a, 4523a, 6994, 8318, 8834, 9638
- Populus heterophylla** [swamp cottonwood], 4522a, 4523a, 7828
- Populus nigra** [black poplar], 2523, 7746, 7896a, 8005
- Populus nigra** var. **italica** [Lombardy poplar], 457, 4170, 4432, 4522a, 4523a, 6449, 7828, 8012, 8140, 8316, 8318, 8834, 9200, 9272, 9638
- Populus tremuloides** [quaking aspen], 2281, 2768, 2770, 3226, 3625, 3635, 3637, 3648, 3725, 3748, 4176, 4285b, 4420, 4432a, 4522a, 4523a, 6326, 6449, 6763, 6797, 6994, 7048, 7698, 7730, 7746, 7767, 7828, 7895, 7896a, 7931, 8010, 8140, 8316, 8318, 8834, 9205, 9638
- Populus trichocarpa** [black cottonwood], 3637, 4432, 11063
- Portieria angustifolia** (Zygophyllaceae) [guayacan], 454, 4336
- portia tree [see *Thespesia populnea*] (Malvaceae)
- Portulaca** sp. (Portulacaceae) [purslane], 1507, 4439, 4447, 4974, 5170, 10911
- Portulaca grandiflora** [rose moss], 4439, 7894, 9670, 10661
- Portulaca oleracea** [purslane], 2497, 4447, 7894, 8140, 9666, 10223, 10661, 10663, 10805, 10911, 10915
- Portulacaria afra** (Portulacaceae) [elephant bush], 9669
- Potamogeton** sp. (Potamogetonaceae) [pondweed], 4748, 4755
- Potamogeton amplifolius**, 4760, 4761
- Potamogeton natans**, 4755, 4760, 4764
- Potamogeton praelongus**, 4760, 4761
- Potamogeton pusillus**, 4764
- Potamogeton richardsonii**, 4760, 4761
- Potamogeton zosteriformis**, 4761
- potato [see *Solanum tuberosum*] (Solanaceae)
- devil's [see *Echites umbellata*] (Apocynaceae)
- duck [see *Sagittaria lanceifolia*] (Alismataceae)
- sweet [see *Ipomoea batatas*] (Convolvulaceae)
- potato tree [see *Solanum elaeagnifolium*] (Solanaceae)
- Potentilla** sp. (Rosaceae) [cinquefoil], 3374, 8465
- Pouteria campechiana** (Sapotaceae) [canistel; sapote amarillo], 4700
- Pouteria sapota** [sapote; mamey sapote], 7746
- powder puff [see *Calliandra haematocephala*] (Leguminosae)
- prayer plant [see *Maranta leuconeura*] (Marantaceae)
- Prenanthes** sp. (Compositae), 846
- Prenanthes alba**, 846
- Prestonia mollis** (Apocynaceae), 8038
- prickly ash [see *Zanthoxylum* sp.] (Rutaceae)
- prickly pear [see *Opuntia* sp.; *Opuntia vulgaris*] (Cactaceae)
- prickly spiderflower [see *Cleome rufidosperma*] (Capparidaceae)
- primrose, evening [see *Oenothera biennis*] (Onagraceae)
- swamp [see *Lysimachia* sp.] (Primulaceae)
- water [see *Ludwigia octovalvis*] (Onagraceae)
- primrose willow [see *Ludwigia peruviana*] (Onagraceae)
- Primula** sp. (Primulaceae), 8129, 10942.1
- princess palm, common [see *Dictyosperma album*] (Palmae)
- princess tree [see *Paulownia tomentosa*] (Scrophulariaceae)
- princess vine [see *Cissus sicyoides*] (Vitaceae)
- Pritchardia thurstonii** (Palmae), 7746
- privet [see *Ligustrum* sp.] (Oleaceae)
- Chinese [see *Ligustrum sinense*]
- common [see *Ligustrum vulgare*]
- Japanese [see *Ligustrum japonicum*]
- Proboscidea louisianica** (Martyniaceae), 8129, 8137
- Prosopis** sp. (Leguminosae), 442, 3886, 7132, 8600, 8659
- Prosopis chilensis**, 1638
- Prosopis glandulosa** [mesquite], 454, 7059, 7730, 8614
- Prosopis juliflora** [algarrobo], 3564, 3886, 4359
- Prosopis pubescens**, 4359
- Protococcus viridis** (Protococcaceae), 8098
- prune [see *Prunus domestica*] (Rosaceae)
- Prunus** sp. (Rosaceae), 317, 2549, 2583, 2770, 2906, 3492, 3597, 3622, 3635, 3648, 3658, 3662, 3693, 3695, 3716, 3720, 3722, 3748, 4275a, 4325a, 4435, 4522a, 4523a, 4642, 4644, 4665, 4677, 4700, 5651, 5995, 6272, 6583, 6586, 6668, 6753, 6984, 7196?, 7683, 7686, 7698, 7701, 7757, 7764, 7767, 7902, 7936, 7994, 7995, 8005, 8007, 8010, 8106, 8136, 8140, 8292, 8302, 8713, 8857, 8872, 9235, 9237, 9941, 9942, 9944, 9949, 9950, 10664
- Prunus americana** [wild plum], 457, 1771, 2549, 2550, 3635, 3886?, 4275a, 4285b, 4326, 4363, 4562.1, 6258, 6272, 7701, 7902, 8007, 8010, 8140, 8316, 8318, 9229, 10731, 10915
- Prunus angustifolia** [chickasaw plum], 4275a, 8869
- Prunus armeniaca** [apricot], 457, 7701, 7902, 8007, 8010, 8316, 10495, 10731, 10915
- Prunus avium** [sweet cherry], 2583, 3426, 3635, 3648, 5651, 5995, 6258, 8140, 8318
- Prunus cerasus** [sour cherry], 457, 3635, 4176, 4275a, 4285b, 4522a, 6258, 6843, 6894a, 7686, 7698, 7701, 7730, 7746, 7757, 7767, 7821, 7824, 7825, 7826, 7902, 7942, 7994, 7995, 8007, 8010, 8137, 8140, 8316, 9237, 9240, 9257, 9274, 9662, 9887, 10731, 10805, 10915, 11029
- Prunus caroliniana** [cherry laurel], 2703, 3648, 4618.1, 4627, 4671, 4697, 4698
- Prunus domestica** [plum; prune], 457, 2257, 2549, 2583, 3426, 3635, 3637, 4176, 4275a, 4285b, 4325a, 4522a, 4523a, 5651, 5995, 6258, 6272, 6570, 6597, 7009, 7663, 7670, 7686, 7698, 7701, 7706, 7746, 7757, 7758, 7764, 7767, 7821, 7824, 7825, 7894, 7902, 7915, 8007, 8010, 8131, 8137, 8140, 8316, 8689, 8857, 8864, 9062, 9237, 9240, 9241, 9255, 9638, 9662, 10731, 10805, 10915, 11029
- Prunus dulcis** [almond], 457, 2257, 2583, 4647
- Prunus emarginata** [bitter cherry], 10495, 10915
- Prunus ilicifolia** [evergreen cherry], 4275a, 4285b, 4325a, 4363, 4562.1, 7701, 7767, 7902, 8140, 8316, 8857
- Prunus laurocerasus** [English laurel; cherry laurel], 2583, 2703
- Prunus lyonii** [Catalina cherry], 3494
- Prunus maritima** [beach plum], 457, 2583, 7663, 7767,

- 7809, 8318, 9237  
**Prunus mexicana** [Mexican plum], 454  
**Prunus nigra** [Canada plum], 79, 4285b  
**Prunus pensylvanica** [pin cherry], 79, 3635, 3637, 3722, 3748, 4285b, 4326, 4522a, 6279, 7663, 7701, 7746, 7767, 7827, 7995, 8318, 9061  
**Prunus persica** [peach], 457, 1513, 2257, 2549, 2550, 2583, 3426, 3428, 3635, 4176, 4181, 4949, 5724, 5896, 5995, 6005, 6258, 7698, 7701, 7716, 7757, 7764, 7902, 8107, 8108, 8140, 8316, 8318, 9264, 9272, 9638, 9666, 9669, 10495, 10663, 10731, 10805, 10915  
**Prunus persica** var. **nectarina** [nectarine], 2583, 3426  
**Prunus pseudocerasus**, 8007  
**Prunus serotina** [black cherry], 79, 637, 2583, 3635, 4176, 4181, 4275a, 4285b, 4363, 4522a, 4523a, 4652, 4665, 4671, 4681, 4685, 4699, 4700, 6001, 6258, 6272, 6273, 6620, 6658, 6660, 6667, 6725, 6726, 6735, 6754, 6763, 6838, 6888, 6966, 6982a, 7159, 7474, 7648, 7663, 7670, 7686, 7698, 7701, 7704, 7730, 7746, 7757, 7764, 7765, 7767, 7802, 7821, 7824, 7825, 7826, 7827, 7917, 7936, 7942, 7994, 7995, 8010, 8011, 8129, 8136, 8137, 8140, 8318, 8857, 9062, 9200, 9237, 9238, 9240, 9246, 9274, 9638, 9941, 9952, 9957, 10304, 10495, 10517  
**Prunus susquehanae**, 4326  
**Prunus umbellata**, 7701  
**Prunus virginiana** [choke cherry], 457, 3625, 3635, 3637, 3695, 3720, 3722, 4176, 4275a, 4285b, 4363, 4522a, 6326, 6832, 6888, 6982a, 7048, 7686, 7698, 7701, 7704, 7746, 7764, 7767, 8007, 8140, 8316, 8318, 8397, 9200, 9257, 9638, 9952, 10491, 10517  
**Pseuderanthemum** sp. (Acanthaceae), 4439  
**Pseudobombax ellipticum** (Bombacaceae) [shaving-brush tree], 442  
**Pseudotsuga menziesii** (Pinaceae) [Douglas fir], 3602, 3638, 6352, 6598, 6843, 6863, 6888, 6894a, 8323  
**Psidium creanto-serrata** (Myrtaceae), 457  
**Psidium guajava** [common guava], 442, 457, 2256, 2452, 2907, 3635, 3736, 6590, 7746, 7834, 7945, 8130, 8131, 8257a, 8585, 8585.1, 9136, 9666, 9670, 9699  
**Psidium littorale** [yellow strawberry guava], 2907, 7746  
**Psidium littorale** var. **longipes** [purple guava], 4700, 8585.1  
**Psophocarpus tetragonolobus** (Leguminosae) [winged bean], 4847, 5157.1, 9003  
**Psoralea** sp. (Leguminosae), 4210  
**Psoralea psoraloides** [Samson snakeroot], 7137  
**Psoralea rhombifolia**, 11132  
**Psoralea tenuiflora**, 11132  
**Psorothamnus fremontii** (Leguminosae), 4359  
**Psychosperma salomonense** (Palmae), 8130  
**Psychotria** sp. (Rubiaceae) [wild coffee], 5164  
**Psychotria nervosa** [wild coffee], 699, 5069, 5123, 5164, 5166, 5167  
**Ptelea** (Rutaceae) [hop tree], 4170a  
**Ptelea trifoliata** [stinking ash], 889, 2292, 4170, 4176, 7474  
**Pteridium** sp. (Polypodiaceae) [bracken fern], 2829, 6812  
**Pteridium aquilinum** var. **latiusculum** [brake fern], 9545, 10915  
**Pteris** sp. (Polypodiaceae) [brake; dish fern], 9630  
**Pteris cretica** [Cretan brake], 9665, 9670  
**Pterocaulon pycnostachyum** (Compositae) [black-root], 9076  
**Ptilimnium capillaceum** (Umbelliferae), 4159a  
**Puccinellia** sp. (Gramineae), 4587  
 puccoon, red [see *Sanguinaria canadensis*] (Papaveraceae)  
**Pueraria** sp. (Leguminosae), 4159a, 8574  
**Pueraria lobata** [kudzu vine], 3870, 8574  
 pummelo [see *Citrus maxima*] (Rutaceae)  
 Siamese [see *Citrus maxima* 'Kao pan']  
 pumpkin [see *Cucurbita maxima*; *Cucurbita moschata*] (Cucurbitaceae)  
 pumpwood [see *Cecropia* sp.] (Moraceae)  
**Punica granatum** (Punicaceae) [pomegranate], 457, 3745, 5722, 5723, 5724, 7942, 8316  
 punk tree [see *Melaleuca quinquenervia*] (Myrtaceae)  
 purslane [see *Portulaca* sp.; *Portulaca oleracea*] (Portulacaceae)  
**Pyracantha** sp. (Rosaceae) [pyracantha], 454, 457, 4647, 5651, 7746, 8005, 8010, 8316, 9272  
**Pyracantha coccinea** [firethorn], 442, 457, 5651, 8005, 8007  
**Pyracantha crenulata**, 1014  
**Pyrola** sp. (Pyrolaceae) [shinleaf], 6478  
**Pyrostegia venusta** (Bignoniaceae) [flame vine], 8146  
**Pyrhopappus carolinianus** (Compositae) [false dandelion], 5946b, 6966, 11071, 11169  
**Pyrhopappus geiseri**, 11169  
**Pyrhopappus grandiflorus**, 11169  
**Pyrhopappus multicaulis**, 11169  
**Pyrus** sp. (Rosaceae) [pear], 3426, 3492, 3625, 3648, 3653, 3745, 5995, 6005, 6590, 6658, 7159, 7686, 7767, 7994, 8007, 8108, 8131, 8864, 9062, 9662, 9944  
**Pyrus arbutifolia**, 4181  
**Pyrus communis** [common pear], 457, 4176, 4432a, 4522a, 4523a, 4697, 6258, 6590, 6597, 6966, 7009, 7196?, 7670, 7686, 7698, 7701, 7746, 7757, 7764, 7767, 7810, 7824, 7894, 7902, 7994, 8010, 8140, 8316, 8318, 9237, 9272, 9638, 9662, 10495, 10805, 10942.1, 11068  
**Pyrus melanocarpa**, 4285b  
 Queen Anne's lace [see *Daucus carota*] (Umbelliferae)  
**Quercus** sp. (Fagaceae) [oak], 3, 43, 45, 53, 142, 442, 454, 457, 663, 689, 815, 816, 823, 835, 854, 955, 956, 957, 1011, 1013, 1019, 1026, 1028, 1031, 1762, 1841, 1845, 1851, 1857, 2064, 2079, 2104, 2109.1, 2115.1 2281, 2287, 2415?, 2522, 2527, 2549, 2571, 2674, 2693, 2694, 2906, 3246, 3257.1, 3333, 3375, 3494, 3503, 3624, 3625, 3635, 3648, 3653, 3660, 3662, 3716, 3718, 3725, 3748, 3947, 4176, 4282, 4285, 4331, 4335, 4363, 4523a, 4639, 4642, 4644, 4647, 4652, 4657, 4665, 4667, 4669, 4671, 4677, 4679, 4681, 4685, 4697, 4698, 4699, 4700, 5241, 5533, 5602, 5606, 5657, 5771, 5775, 5777.1, 5777.2, 5999, 6005, 6258, 6439, 6440, 6570, 6586, 6597, 6620, 6621, 6654, 6667, 6745, 6763, 6796, 6832, 6838, 6885, 6888, 6892, 6966, 6969, 6982a, 7009, 7033, 7046, 7084a, 7132, 7137, 7196?, 7474, 7659, 7662, 7663, 7670, 7683, 7686, 7698, 7701, 7704, 7715, 7716, 7718, 7720, 7723, 7730, 7746, 7757, 7758, 7764, 7821, 7824, 7902, 7903, 7906, 7907, 7915, 7917, 7920, 7951, 7975, 7977, 7982, 7983, 7990, 7994, 7998, 7999, 8005, 8007, 8010, 8011, 8017, 8022, 8107, 8130, 8140, 8146, 8292, 8296, 8298, 8301, 8302, 8313, 8316, 8318, 8398, 8444, 8587, 8588, 8591, 8666, 8683?, 8689, 8700, 8714, 8773, 8792, 8794, 8798, 8801.1, 8843, 8847, 8849, 8851a, 8864, 8873, 8876, 8877, 8878.1, 8893a, 8995, 9039, 9189, 9200, 9237, 9238, 9242, 9244, 9248, 9250, 9254, 9255, 9257, 9264, 9266, 9272, 9619?, 9650, 9670, 9684, 9815, 9941, 9942, 9945.1(?), 9949, 9950, 9952, 9957, 10014, 10016, 10019, 10495, 10502, 10517, 10518, 10915, 11029

**Quercus acutissima**, 7746**Quercus agrifolia** [California live oak], 3648**Quercus alba** [white oak], 3, 140, 143, 144, 457, 752, 815, 823, 1011, 1015, 1851, 2064, 2281, 2527, 2549, 2693, 3623, 3624, 3653, 3725, 3947, 4281, 4282b, 4331b, 4335, 4669, 5657, 6660, 6798, 6885, 6966, 7048, 7659, 7701, 7723a, 7757, 7767, 7787, 7902, 7917, 7951, 7990, 7998, 8007, 8017, 8140, 8203, 8292, 8316, 8318, 8694, 9040, 9200, 9638, 10016, 10495, 10915, 11029**Quercus arizonica**, 3947**Quercus bicolor** [swamp white oak], 140, 143, 752, 8318**Quercus borealis** [see *Quercus rubra*]**Quercus cerris** [European turkey oak], 4647**Quercus chapmanii** [Chapman's oak], 7704, 7723**Quercus coccinea** [scarlet oak], 140, 457, 1623, 4281, 6660, 6798, 7084a, 7659, 7704, 7715, 7757, 7902, 7951, 7990, 8140, 8203, 8301, 8316, 8318, 9200, 9638**Quercus douglasii** [blue oak], 3648**Quercus emoryi**, 3947**Quercus erythrobalanus**, 3952**Quercus falcata** [southern red oak], 3, 13.1, 3952, 4282b, 4331a, 5657, 7718, 7720, 7723, 9040**Quercus fusiformis** [plateau live oak], 457**Quercus gambelii** [Gambel oak], 3946a, 3947, 3952, 4282b**Quercus garryana**, 2109.1**Quercus hemisphaerica**, 3952, 8203**Quercus hypoleucoides**, 3947**Quercus ilex** [holly oak], 7906**Quercus ilicifolia** [scrub oak], 144, 1016, 1019, 2198, 2571, 2573, 3946, 3947, 3952, 4281, 4522a, 4523a?, 7659, 7686, 7715, 7730, 8318, 8851a**Quercus imbricaria** [shingler oak], 789, 7723, 7757, 7998, 8318**Quercus incana** [bluejack oak], 4282b, 7730, 7907**Quercus inopina**, 3946b**Quercus kelloggii** [California black oak], 2109.1, 3648, 7915, 9815**Quercus laevis** [turkey oak], 1019, 2198, 2693, 3656, 3725, 4282b, 4285b, 4647, 5602, 5657, 7704, 7718, 7730, 7746, 7902, 8130**Quercus laurifolia** [laurel oak], 956, 1019, 2077, 2522, 2573, 3952, 4331b, 4647, 4671, 4697, 7698, 7701, 7716, 7718, 7723a, 7723, 7746, 7757, 7902, 7906, 7951, 7998, 8203, 8292, 8666**Quercus lobata** [valley oak], 2109.1, 3648**Quercus lyrata** [overcup oak], 7723**Quercus macrocarpa** [bur oak], 457, 752, 823, 2064, 2281, 3623, 3624, 3635, 3725, 3946a, 3947, 4281, 4282b, 6598, 7704, 7723, 7902, 7951, 7983, 8203, 8318, 8801.1, 8851a, 8876, 8878a, 8995, 9037, 9200, 9238, 9638**Quercus marilandica** [blackjack oak], 140, 956, 1016, 3947, 3952, 4331a, 4335, 5657, 7720, 7723, 7730**Quercus mohriana**, 3947**Quercus muehlenbergii** [chinkapin oak], 1015, 3952**Quercus myrsinifolia**, 457**Quercus myrtifolia**, 3946b, 7718, 7723, 7746**Quercus nigra** [water oak], 13.1, 144, 457, 955, 2571, 2573, 3947, 3952, 4331a, 4647, 6885, 7704, 7718, 7723a, 7757, 7902, 7907, 7998, 8203, 8292**Quercus nuttallii**, 7723**Quercus palustris** [pin oak], 45, 88, 457, 3623, 4522a, 4675, 6720, 7659, 7704, 7720, 7902, 8203, 8318, 9200, 9638**Quercus perspicua**, 7908**Quercus phellos** [willow oak], 140, 3952, 4522a, 7758,

8140, 8316

**Quercus prinoides** [dwarf chestnut oak], 8318, 8607**Quercus prinus** [chestnut oak], 140, 143, 144, 457, 2527, 3947, 4282b, 6660, 6798, 8005, 8140, 8316, 8318**Quercus robur** [English oak], 7902, 9257**Quercus rubra** [northern red oak], 3, 43, 45, 88, 140, 143, 835, 2064, 2079, 2281, 3251, 3495, 3503, 3539, 3623, 3635, 3725, 3947, 3952, 4282b, 4285b, 4523a, 5657, 6660, 6798, 7033, 7048, 7720, 7723, 7730, 7757, 7787, 7902, 8140, 8316, 8318, 8591, 9040, 9200, 9244, 9638, 9887, 10567**Quercus shumardii** [shumard oak], 3952, 4677, 7730, 7951, 8007**Quercus stellata** [post oak], 143, 144, 1031, 3947, 3952, 4331b, 6660, 7659, 7698, 7701, 7730, 7902, 7998, 8318**Quercus subobtusifolia**, 457**Quercus texana** [Texas red oak], 3952**Quercus turbinella**, 3946a**Quercus undulata** [Rocky Mountain scrub oak], 3946a, 7902**Quercus velutina** [black oak], 3, 140, 144, 1623, 2064, 2281, 3503, 3624, 3947, 3952, 4281, 4331a, 4522a, 5657, 6798, 6966, 7084a, 7659, 7698, 7701, 7715, 7720, 7730, 7902, 7990, 8203, 8318, 9200, 9638**Quercus virginiana** var. *fusiformis*, 3947, 3952**Quercus virginiana** [live oak; southern live oak], 457, 816, 955, 1019, 2573, 2693, 3623, 3653, 3952, 4331, 4335, 4336, 4642, 4647, 4650, 4671, 4677, 4697, 4870, 6658, 6745, 6843, 6889, 6894a, 6966, 7009, 7662, 7704, 7718, 7723, 7730, 7746, 7757, 7902, 7951, 8130, 8298a, 8301, 8313, 8316, 8589, 8666, 8694, 8801.1, 8835, 8876quince [see *Cydonia oblonga*] (Rosaceae)common [see *Cydonia oblonga*]flowering [see *Chaenomeles japonica*] (Rosaceae)rabbit tobacco [see *Gnaphalium obtusifolium*] (Compositae)radish [see *Raphanus sativus*] (Cruciferae)ragweed [see *Ambrosia* sp.] (Compositae)common [see *Ambrosia artemisiifolia*]great [see *Ambrosia trifida*]railroad vine [see *Ipomoea pes-caprae*] (Convolvulaceae)

raisins, 5623, 5723

ramie [see *Boehmeria nivea*] (Urticaceae)**Randia** sp. (Rubiaceae), 7849, 7851**Randia aculeata**, 659, 3745, 5628, 7148**Randia mitis**, 7849**Rapanea punctata** (Myrsinaceae) [myrsine], 3745, 4673rape [see *Brassica napus*] (Cruciferae)**Raphanus** sp. (Cruciferae), 4197**Raphanus raphanistrum**, 4197**Raphanus sativus** [radish], 4192, 4197, 4435, 4847, 4898, 8137, 8887, 10438, 10663, 10664, 10731, 10805, 10915raspberry [see *Rubus* sp.] (Rosaceae)American red [see *Rubus idaeus sachalinensis*]black [see *Rubus occidentalis*]red [see *Rubus idaeus*]rattle box [see *Crotalaria mucronata*] (Leguminosae)**Ravenea rivularis** (Palmae), 11068redbud [see *Cercis* sp.] (Leguminosae)eastern [see *Cercis canadensis*]redroot [see *Amaranthus retroflexus*] (Amaranthaceae)redroot [see *Lachnanthes* sp.] (Haemodoraceae)reed, bur [see *Sparganium* sp.] (Sparganiaceae)**Reseda** sp. (Resedaceae) [mignonette], 4193, 11068**Reseda odorata** [common mignonette], 4197, 8887, 11068

- Reynoldsia** sp. (Araliaceae), 433.1  
**Rhamnus** sp. (Rhamnaceae) [buckthorn], 3623, 4435, 8137  
**Rhamnus alnifolia**, 8140, 8316  
**Rhamnus californica**, 4336  
**Rhamnus cathartica** [common buckthorn], 457, 4176, 4363  
**Rhamnus frangula**, 6753  
**Rhaphiolepis indica** (Rosaceae), 8316  
**Rhaphiolepis umbellata**, 457  
**Rhapis** sp. (Palmae) [lady palm], 7746  
**Rhapis excelsa**, 5176, 8146  
**Rhapis flabelliformis**, 7746  
**Rheum** sp. (Polygonaceae) [rhubarb], 4949  
**Rheum rhabarbarum** [garden rhubarb], 8137, 9669, 9672, 10731, 10805, 10915, 10942.1  
**Rheum rhaponticum**, 9672  
**Rhexia** sp. (Melastomaceae) [meadow beauty], 11070  
**Rhexia alifanus**, 11071  
**Rhexia lutea**, 7159  
**Rhexia petiolata**, 6745  
**Rhexia virginica**, 7474, 11071  
**Rhizophora** sp. (Rhizophoraceae) [mangrove], 6968?  
**Rhizophora mangle** [red mangrove], 454, 457, 3496, 3865, 4673, 4697, 7746  
**Rhododendron** sp. (Ericaceae) [azalea; rhododendron], 592, 2281, 3635, 3648, 3695, 3732, 3736, 4181, 4671, 4697, 7292, 7663, 7746, 7764, 7809, 7886, 7902, 7905, 8129, 8140, 8316, 8887, 8974, 9211, 9272, 9638, 9669, 9670, 9672, 10495  
**Rhododendron calendulaceum** [flame azalea], 4284, 4285b, 4336, 8318  
**Rhododendron canescens**, 4285b  
**Rhododendron catawbiense**, 7746  
**Rhododendron indicum** [macranthum azalea], 454, 592, 3732, 4647, 7746, 7905  
**Rhododendron japonicum**, 7746  
**Rhododendron kaempferi**, 7746  
**Rhododendron periclymenoides** [pinxterbloom], 7886  
**Rhododendron viscosum** [swamp azalea], 7886, 8318, 9211  
**Rhoeo spatheca** (Commelinaceae) [oyster plant; purple-leaved spiderwort], 8884  
rhubarb [see *Rheum* sp.] (Polygonaceae)  
garden [see *Rheum rhabarbarum*]  
**Rhus** sp. (Anacardiaceae) [sumac], 457, 630, 1175, 2701, 3635, 3648, 3658, 4363, 5789, 6005, 6963, 7053a, 7902, 7908, 7909, 8137, 8955, 8956, 9199, 10915, 11063  
**Rhus aromatica** [fragrant sumac], 4299, 7908  
**Rhus copallina** [dwarf sumac], 630, 2701, 4299, 5789, 7045, 7053a, 7075, 7706, 7908, 83187, 8585.1, 10915  
**Rhus cotinoides**, 2701  
**Rhus diversiloba** [western poison oak], 2701  
**Rhus glabra** [smooth sumac], 2701, 4363, 4363.1, 7704, 8318  
**Rhus obovatus**, 2701  
**Rhus radicans** [poison ivy; poison oak], 2701, 8318, 8956, 8957, 9264  
*Rhus toxicodendron* [see *Rhus radicans*]  
**Rhus typhina** [staghorn sumac], 1864, 2701, 4299, 4363, 6620, 7053a, 7908, 8318, 8955  
**Rhus vernix** [poison sumac], 8968?  
**Rhynchosia** sp. (Leguminosae), 6143.1  
**Rhynchospora corniculata** (Cyperaceae), 2345.4  
**Rhynchospora inundata**, 4569  
**Rhynchosia** sp. (Leguminosae), 3868a, 6143.1  
**Rhynchosia minima**, 4359  
**Rhynchosia texana**, 3910  
**Rhynchosia tomentosa**, 3909  
**Ribes** sp. (Saxifragaceae) [currant], 122, 125, 2314, 2315, 3635, 3648, 3658, 4249 (aphids), 4421, 4522a, 5968, 6352, 66583, 6743, 7757, 8137, 8316  
**Ribes americanum** [American black currant], 2623, 3635, 7009, 7767  
**Ribes aureum** [golden currant], 8129  
**Ribes grossularia**, 5968  
**Ribes lacustre** [bristly black currant], 4522a, 7009, 7894, 8137, 8140, 10731, 10915, 10942.1  
**Ribes nigrum** [European black currant], 5968, 7767  
**Ribes rubrum** [red currant], 7767, 8137  
**Ribes sanguineum**, 7757, 10495, 10915  
**Ribes sativum** [common currant], 3635, 4522a, 6982a, 7009, 7474, 7701, 7746, 7757, 7767, 7894, 8137, 8140, 10731, 10915, 10942.1  
**Ribes uva-crispa** [English gooseberry], 3635, 5968, 7767, 8137  
**Richardia scabra** (Rubiaceae) [Mexican clover], 7890, 7894  
rice [see *Oryza sativa*] (Gramineae)  
wild [see *Zizania* sp.] (Gramineae)  
rice-paper tree, Chinese [see *Tetrapanax papyriferus*] (Araliaceae)  
**Ricinus communis** (Euphorbiaceae) [castor bean], 1512, 8129, 8134, 8137, 8140, 8146, 8316, 9665, 9669, 9672, 10663, 11068  
**Rivina humilis** (Phytolaccaceae) [rouge plant], 3745  
**Robinia** sp. (Leguminosae) [locust], 454, 956, 1834, 2198, 3495, 3497, 3648, 3695, 3870, 3956, 5723, 5724, 5789?, 6322, 6326, 6386, 8719, 8843  
**Robinia hispida** [moss locust], 3870, 8203  
**Robinia neomexicana**, 3870, 3957  
**Robinia pseudoacacia** [black locust], 457, 657, 790, 1834, 2693, 3497, 3870, 3956, 4209, 5797, 5896, 6326, 6386, 7009, 7698, 7701, 7709, 7746, 7902, 7907, 7957, 8007, 8010, 8140, 8203, 8316, 8318, 8465, 8574, 8695, 8719, 8747, 8792, 9200, 11063  
rock spiraea [see *Petrophytum caespitosum*] (Rosaceae)  
rocket [see *Hesperis* sp.] (Cruciferae)  
root, musquash [see *Cicuta maculata*] (Compositae)  
**Rorippa curvisiliqua** (Cruciferae), 4192, 4197  
**Rorippa palustris fernaldiana** [yellow cress], 4197  
**Rosa** sp. (Rosaceae) [rose], 442, 454, 2860, 2864, 3426, 3428, 3502, 3503, 3614, 3633, 3635, 3637, 3648, 3732, 3736, 3745, 4432a, 4522a, 4647, 4677, 4685?, 4699, 4700, 6005, 6450, 6597, 6658, 6726, 7009, 7196, 7683, 7698, 7701, 7704, 7730, 7746, 7757, 7851, 7894, 7902, 7906, 7915, 8005, 8007, 8010, 8011, 8012, 8131, 8140, 8146, 8316, 8689, 9264, 9638, 9665, 9666, 9669, 9670, 9672, 9910, 10915, 11063, 11068, 11070, 11071  
**Rosa blanda**, 3635, 7698  
**Rosa californica**, 4336  
**Rosa canina** [dog rose], 8010  
**Rosa carolina** [pasture rose], 6838, 7698, 7810, 7824, 8318  
**Rosa eglanteria** [sweetbrier], 8318  
**Rosa odorata** [tea rose], 8010, 11068  
**Rosa rugosa**, 7746  
**Rosa woodsii**, 7894  
Rosaceae, 6826, 6829  
rosary pea [see *Abrus* sp.] (Leguminosae)  
rose [see *Rosa* sp.] (Rosaceae)  
desert [see *Adenium obesum*] (Apocynaceae)  
dog [see *Rosa canina*]  
pasture [see *Rosa carolina*]

- sun [see *Helianthemum* sp.] (Compositae)  
 tea [see *Rosa odorata*]  
 rosegentian [see *Sabatia* sp.] (Gentianaceae)  
 roselle [see *Hibiscus sabdariffa*] (Malvaceae)  
 rose mallow, soldier [see *Hibiscus militaris*] (Malvaceae)  
 rosemary [see *Ceratiola ericoides*] (Empetraceae)  
 bog [see *Andromeda* sp.] (Ericaceae)  
 wild [see *Ledum palustre*] (Ericaceae)  
 rose moss [see *Portulaca grandiflora*] (Portulacaceae)  
 rose-of-Sharon [see *Hibiscus syriacus*] (Malvaceae)  
 rosewood [see *Dalbergia ecastophyllum*] (Leguminosae)  
**Rotala** sp. (Lythraceae) [tooth-cup], 4755  
 rouge plant [see *Rivina humilis*] (Phytolacaceae)  
 royal palm [see *Roystonea* sp.] (Palmae)  
 Caribbee [see *Roystonea oleracea*]  
 Florida [see *Roystonea elata*]  
**Roystonea** sp. (Palmae) [royal palm], 457  
**Roystonea elata** [Florida royal palm], 1513  
**Roystonea oleracea** [Caribbee royal palm], 1422  
 rubber plant [see *Ficus elastica*] (Moraceae)  
 baby [see *Peperomia obtusifolia*] (Piperaceae)  
 rubber vine [see *Cryptostegia grandiflora*] (Periplocaceae)  
 Rubiaceae, 7849  
**Rubus** sp. (Rosaceae) [bramble; dewberry], 149, 457, 2860, 2906, 3377, 3631, 3635, 3648, 4285b, 4432, 4644, 6584, 6660, 6704?, 6705, 7059, 7071, 7390, 7686, 7730, 7767, 8005, 8007, 8010, 8194, 8316, 8897, 9235, 9272, 11071  
**Rubus allegheniensis** [sow teat blackberry], 149, 3374, 4421, 6590, 6658, 6704?, 6834, 7009, 7058, 7663, 7730, 7746, 7767, 7824, 7902, 7994, 8005, 8010, 8108, 8129, 8137, 8140, 8318, 8397, 8465, 9200, 9255, 9264, 9272, 9638, 9669, 10304, 10648, 10731, 10915, 11063  
**Rubus cuneifolius** [sand blackberry], 4363  
**Rubus flagellaris** [American dewberry], 149, 3635  
**Rubus frondosus**, 149  
**Rubus idaeus** [red raspberry], 2817, 3374, 3635  
**Rubus idaeus** var. **aculeatissimus**, 4363  
**Rubus idaeus sachalinensis** [American red raspberry], 4336, 4421, 6704?, 6834, 7009, 7058, 7474, 7663, 7746, 7767, 7824, 8005, 8007, 8010, 8129, 8137, 8140, 8203, 8318, 9255, 9264, 9272, 9638, 9669, 9671, 10438, 10648, 10731, 10915  
**Rubus laciniatus** [cut-leaf blackberry], 2817, 3374  
**Rubus nutkanus**, 2770  
**Rubus occidentalis** [black raspberry], 149, 7767, 10915  
**Rubus villosus**, 149, 1030  
**Rudbeckia** sp. (Compositae) [coneflower], 2293, 3184, 3660, 4949, 5935, 7474  
**Rudbeckia hirta**, 7058, 7071  
**Rudbeckia laciniata**, 3184, 3801, 4490a  
**Rudbeckia maxima**, 3184, 7059  
**Rudbeckia nitida**, 7059  
 rue [see *Ruta* sp.] (Rutaceae)  
 common [see *Ruta graveolens*]  
 meadow [see *Thalictrum* sp.] (Ranunculaceae)  
**Ruellia** sp. (Acanthaceae), 4439, 4446, 4478, 9003  
**Ruellia carolinensis**, 4476  
**Ruellia coccinea**, 4446  
**Ruellia metallica**, 4446  
**Ruellia nudiflora**, 4440, 4442  
**Ruellia occidentalis**, 4443  
**Ruellia runyonii**, 4440  
**Ruellia tuberosus**, 4442a, 4443  
 rugs (wool), 405  
**Rumex** sp. (Polygonaceae) [dock], 2072, 2823, 3695, 4435, 4967, 7147, 7414, 7894, 8131, 8137, 8199, 8887, 9053, 9560, 9669, 9672, 10805, 10942.1  
**Rumex acetosella** [sheep sorrel], 8171  
**Rumex altissimus**, 8318  
**Rumex crispus** [curly dock], 2072, 6590, 8131, 8318, 9672, 9957, 10397, 10648, 10670, 10915, 11071  
**Rumex obtusifolius**, 7894  
**Rumex salicifolius**, 4336  
**Rumex verticillatus** [swamp dock], 8131  
**Rumohra adiantiformis** (Polypodiaceae) [leatherleaf fern], 4741, 8140, 8203, 9630  
 rush [see *Juncus* sp.] (Juncaceae)  
 black [see *Juncus roemerianus*]  
 spike [see *Eleocharis* sp.] (Cyperaceae)  
**Russelia equisetiformis** (Scrophulariaceae), 4440  
 rust (fungus), 1513  
**Ruta** sp. (Rutaceae) [rue], 4172a  
**Ruta graveolens** [common rue], 4159a, 4170  
 rutabaga [see *Brassica napus* 'Napobrassica group'] (Cruciferae)  
 rye, common [see *Secale cereale*] (Gramineae)  
*Sabal glaucescens* [see *Sabal mauritiiformis*] (Palmae)  
**Sabal longipedunculata** (Palmae), 1841.1 [fruit]  
**Sabal mauritiiformis**, 1841.1 [seeds]  
**Sabal megacarpa**, 4336  
**Sabal mexicana** [Texas palm], 8130  
**Sabal palmetto** [cabbage palm], 1422, 2626.1, 4079, 5734, 7746, 8130, 8140, 8146, 8556  
**Sabal parviflora**, 304  
**Sabatia** sp. (Gentianaceae) [rose gentian], 8764  
**Sabatia brevifolia**, 4046  
**Sabatia campanulata**, 4046  
**Saccharum officinarum** (Gramineae) [sugarcane], 355.1, 432.1, 433.1, 1132.1, 2366, 3996, 3998, 4013, 4040, 4046, 4111, 4117, 4119, 4123, 5475, 5896, 8743, 8746, 9425, 9666, 9676, 10438, 10454, 10458, 10661, 10663, 11068  
 saffronplum [see *Bumelia celastrina*] (Sapotaceae)  
 sage [see *Salvia* sp.] (Labiatae)  
 common [see *Salvia officinalis*]  
 sand [see *Artemisia filifolia*] (Compositae)  
 Scarlet [see *Salvia coccinea*]  
 sagebrush [see *Artemisia* sp.] (Compositae)  
**Sagittaria** sp. (Alismataceae) [arrowhead], 4755, 8885, 9056, 9525a  
**Sagittaria falcata**, 3606?  
**Sagittaria lancefolia** [duck potato], 8131  
**Sagittaria latifolia** [wapato], 4760, 9670  
**Sagittaria stagnorum**, 4760  
 sainfoin [see *Onobrychis viciifolia*] (Leguminosae)  
 St. Bernard's lily [see *Chlorophytum* sp.] (Liliaceae)  
 St. John's wort [see *Hypericum* sp.] (Guttiferae)  
**Saintpaulia** sp. (Gesneriaceae) [African violet], 432.1, 3745, 8890  
**Saintpaulia bigelovii**, 4354a  
**Salicornia virginica** (Chenopodiaceae) [glasswort], 4354a  
**Salix** sp. (Salicaceae) [willow], 454, 457, 639, 2523, 2524, 2549, 2572, 2693, 2768, 3228, 3379, 3597, 3614, 3625, 3635, 3637, 3648, 3658, 3695, 3740, 3748, 4176, 4285b, 4363, 4432a, 4522a, 4523a, 4644, 4665, 4671, 4677, 4685, 4697, 4755, 5215, 6258, 6326, 6405, 6449, 6570, 6583, 6586, 6590, 6597, 6654, 6677, 6678, 6763, 6796, 6838, 6885, 6964, 6966, 6982a, 7048, 7058, 7132, 7292,



- 7390, 7474, 7663, 7670, 7686, 7698, 7701, 7704, 7730, 7746, 7757, 7758, 7764, 7767, 7821, 7824, 7825, 7826, 7828, 7895, 7896a, 7907, 7915, 7931, 7936, 7937, 7942, 7943, 7995, 8007, 8009, 8010, 8011, 8012, 8107, 8137, 8140, 8146, 8203, 8296, 8314, 8316, 8318, 8411, 8465, 8688, 8689, 8697, 8792, 8832.1, 8834, 8835, 8864, 8974, 8975, 8983a, 9200, 9203, 9205, 9212, 9219, 9241, 9255, 9257, 9264, 9272, 9274, 9280, 9286, 9545, 9638, 9672, 9887, 9910, 9942, 10517, 10585, 10915
- Salix alba** [white willow], 7767, 8010, 8318  
**Salix alba** var. **vitellina** [yellow willow], 6258  
**Salix amphibia**, 7896a  
**Salix amygdaloides** [peach-leaved willow], 4432, 8607  
**Salix babylonica** [weeping willow], 457, 4432a, 4697, 7896a, 8010, 8316  
**Salix barclayi**, 9205  
**Salix bebbiana**, 889, 4432  
**Salix bonplandiana**, 8607  
**Salix candida**, 4432  
**Salix caroliniana** [swamp willow; coastal plain willow], 2523, 3228, 4522a, 4523a, 4647, 7746, 7896a, 7942, 8140, 8316, 9272  
**Salix cordata**, 4523a  
**Salix discolor** [pussy willow], 4432a, 4523a, 7746, 8010  
**Salix exigua**, 4432, 4523a  
**Salix fragilis** [brittle willow], 457  
**Salix hookeriana**, 8007, 8012, 9212, 10495, 10915  
**Salix humilis** [prairie willow], 7730, 7767, 10304  
**Salix interior** [sandbar willow], 4432, 4523a, 7894, 8318  
**Salix jepsoni**, 4432  
**Salix lasiandra**, 4432  
**Salix lasiolepis** [arroyo willow], 889  
**Salix longipes**, 7896a, 8316  
**Salix lucida** [shining willow], 457, 7767, 8010  
**Salix lutea**, 4432  
**Salix nigra** [black willow], 457, 2524, 3228, 4432, 4522a, 4523a, 7896a, 8140, 8316, 9272  
**Salix scoulerana** [scouler willow], 8007, 8012, 9205, 9212, 10495, 10915  
**Salix sericea** [silky willow], 4432, 4523a  
**Salix viminalis** [osier], 7767, 7896a  
salsify [see *Tragopogon porrifolius*] (Compositae)  
**Salsola iberica** (Chenopodiaceae), 8137, 9665, 10663  
saltbush [see *Atriplex* sp.] (Chenopodiaceae)  
salt meadow cordgrass [see *Spartina patens*] (Gramineae)  
saltwort [see *Batis maritima*] (Batidaceae)  
**Salvia** sp. (Labiatae) [sage], 4949, 5042, 8137  
**Salvia coccinea** [scarlet sage], 3745  
**Salvia mellifera**, 4336  
**Salvia officinalis** [common sage], 10915  
**Salvinia rotundifolia** (Salviniaceae) [floating moss], 4755, 4764, 5151  
saman [see *Samanea* sp.] (Leguminosae)  
**Samanea saman** (Leguminosae) [saman; monkeypod], 5711.1, 8649  
**Sambucus** sp. (Caprifoliaceae) [elder], 2701?, 3493.1, 4953a, 6570, 6597, 8140, 9520  
**Sambucus caerulea** [blue elder], 457  
**Sambucus callicarpa** [Pacific Coast red elder], 8137  
**Sambucus canadensis** [American elder], 457, 7704, 7767, 8007, 8140, 8316, 8318, 9520  
**Sambucus nigra** [European elder], 9520  
**Sambucus pubens** [American red elder], 7767  
**Sambucus simpsoni**, 8140, 9520  
Samson snakeroot [see *Psoralea psoraloides*] (Legumi-  
nosae)  
sand sage [see *Artemisia filifolia*] (Compositae)  
sandspur [see *Cenchrus tribuloides*] (Gramineae)  
**Sanguinaria canadensis** (Papaveraceae) [red puccoon], 9672  
**Sansevieria trifasciata** (Liliaceae) [snake-plant], 432.1  
**Sansevieria trifasciata 'laurentii'**, 432.1  
Santa Maria [see *Calophyllum brasiliense*] (Guttiferae)  
**Sapindus** sp. (Sapindaceae), 454  
**Sapindus drummondii** [soapberry], 442, 5724  
**Sapindus oahuensis**, 304  
**Sapindus saponaria** [jaboncillo], 457, 5724, 8007  
**Sapium sebiferum** (Euphorbiaceae) [Chinese tallowtree], 4647, 8658  
sapodilla [see *Manilkara zapota*] (Sapotaceae)  
sapote [see *Manilkara zapota*; *Pouteria sapota*] (Sapotaceae)  
black [see *Diospyros ebenaster*] (Ebenaceae)  
mamey [see *Pouteria sapota*] (Sapotaceae)  
white [see *Casimiroa edulis*] (Rutaceae)  
sapote amarillo [see *Pouteria campechiana*] (Sapotaceae)  
**Sarcostemma clausum** (Asclepiadaceae) [philibertia], 4614, 4615, 4616, 7837, 8271  
**Sarcostemma crispum**, 4615a  
**Sarcostemma cynanchoides** var. **hartwegii**, 4615a, 7837  
**Sarcostemma hirtellum**, 4615  
**Sarracenia** sp. (Sarraceniaceae) [pitcher plant], 9023, 9493  
**Sarracenia alata** [yellow trumpets], 450  
**Sarracenia drummondii**, 8905.3  
**Sarracenia flava** [yellow pitcher plant], 8905.2, 8905.3, 9085  
**Sarracenia minor** [hooded pitcher plant], 8905.3, 9085  
**Sarracenia psittacina**, 8905.3  
**Sarracenia purpurea** [common pitcher plant], 2738, 3633, 8905.1  
**Sarracenia rubra**, 8905.3  
**Sarracenia sledgei**, 8905.3  
sarsaparilla, wild [see *Aralia nudicaulis*] (Araliaceae)  
**Sassafras** sp. (Lauraceae) [sassafras], 633, 2772, 3658, 4644, 4677, 6599, 8528  
**Sassafras albidum** [sassafras], 457, 4176, 4181, 4182, 6966, 7663, 7704, 7706, 7746, 7757, 7764, 7765, 7767, 8140, 8316, 8318, 11068  
satsuma [see *Citrus reticulata* 'Owari Satsuma'] (Rutaceae)  
**Satureja hortensis** (Labiatae) [summer savory], 5058  
**Saururus cernuus** (Saururaceae) [water dragon], 9463  
sausage tree [see *Kigelia pinnata*] (Bignoniaceae)  
savory, summer [see *Satureja hortensis*] (Labiatae)  
sawgrass [see *Cladium jamaicensis*] (Cyperaceae)  
**Saxifraga stolonifera** (Saxifragaceae) [strawberry geranium], 9669  
scales (Homoptera: Coccoidea), 5951 (on pine), 5953  
*Antonina* sp., 1513  
*Asterolecanium pustulans* [pustle scale], 1513  
*Ceroplastes* sp., 5949  
*Coccus hesperidum* [soft brown scale], 5949  
*Dactylopius* sp., 5949  
*Dactylopius confusus*, 5949  
*Dactylopius tomentosus*, 5949  
*Eriococcus quercus* [oak eriococcus], 5949  
*Icerya purchasi* [cottony-cushion scale], 1513, 5949  
*Kermes* sp. [mealybug], 1467, 5949, 5965.1  
*Kermes pallida*, 1158  
*Lecaniodiaspis* sp., 5949  
*Lecanium arizonensis*, 5949  
*Neolecanium cornuparvum* [magnolia soft scale], 5949

- Pseudococcus* sp., 5949  
*Pulvinaria amygdali*, 5949  
*Pulvinaria bigeloviae*, 5949  
*Pulvinaria vitis*, 5949  
*Saissetia oleae* [black lecanium scale], 5949  
*Toumeyella* sp., 5949  
*Toumeyella numismaticum*, 5949  
cotton mealybug, 1513  
scarlet bush [see *Hamelia patens*] (Rubiaceae)  
**Schaefferia frutescens** (Celastraceae), 6966  
**Schefflera** sp. (Araliaceae), 8131  
**Schefflera arboricola** [umbrella tree], 8010, 9665, 9669, 9670  
**Schinus terebinthifolius** (Anacardiaceae) [Brazilian pepper], 457, 2701.2, 4352, 4647, 4700, 7818, 7827, 8140  
**Schizachyrium scoparium** (Gramineae) [little bluestem grass], 3993, 4084a  
*Schizoneura* sp. aphids (Homoptera: Aphididae), 4249  
**Schlumbergera bridgesii** (Cactaceae) [Christmas cactus], 9670  
**Schoepfia arborescens** (Olacaceae), 3416  
**Schoepfia chrysophylloides** [white wood], 3416  
**Schoepfia schreberi**, 3416  
**Schrankia nuttallii** (Leguminosae) [catclaw], 1638  
**Scindapsus** sp. (Araceae), 8129  
**Scindapsus aureus**, 8131, 9669, 9670  
**Scirpus** sp. (Cyperaceae), 1494, 2706, 2707, 4072, 4073, 4116?, 9449  
**Scirpus atrovirens**, 4576  
**Scirpus cyperinus** [bulrush], 4072, 8491  
**Scirpus scirta** var. *brevis*, 4072  
screwpine [see *Pandanus* sp.] (Pandanaceae)  
**Scrophularia californica** (Scrophulariaceae) [California figwort], 9279  
**Scutellaria** sp. (Labiatae) [skullcap], 2738, 8759  
**Scutellaria dependens**, 2629  
**Scutellaria lateriflora**, 2629, 2738  
seagrape [see *Coccoloba uvifera*] (Polygonaceae)  
sea lavender, Carolina [see *Limonium carolinianum*] (Plumbaginaceae)  
sea rocket [see *Cakile maritima*] (Cruciferae)  
**Sebastiania fruticosa** (Euphorbiaceae) [sebastian bush], 636  
sebastian bush [see *Sebastiania fruticosa*] (Euphorbiaceae)  
**Secale cereale** (Gramineae) [common rye], 2260, 8991, 9666, 10438, 10670, 10731, 11068  
**Sechium edule** (Cucurbitaceae) [chayote], 5204  
sedge [see *Cyperus* sp.] (Cyperaceae)  
[see *Carex* sp.] (Cyperaceae)  
broom [see *Andropogon virginicus*] (Gramineae)  
**Sedum** sp. (Crassulaceae) [stonecrop], 4336, 4439, 4440, 4447, 7009, 9669, 10662  
**Sedum lanceolatum**, 4447  
**Sedum telephium** [orpine], 4447  
seedbox [see *Ludwigia alternifolia*] (Onagraceae)  
**Selaginella arenicola** (Selaginellaceae), 5175a?  
**Selenia aurea** (Cruciferae), 4193  
**Senecio** sp. (Compositae) [groundsel], 4434, 6212, 7414, 8131  
**Senecio cineraria**, 4434, 4435  
**Senecio cruentus**, 8887  
**Senecio glabellus** [butterweed], 8131  
**Senecio maritima**, 4434, 4435  
**Senecio mikanioides** [German ivy], 8887  
**Senecio vulgaris**, 10942.1  
senna [see *Cassia* sp.] (Leguminosae)  
bladder [see *Colutea* sp.] (Leguminosae)  
Brazilian [see *Cassia brasiliana*]  
jointwood [see *Cassia nodosa*]  
pinkflower [see *Cassia grandis*]  
sicklepod [see *Cassia tora*]  
wild [see *Cassia marilandica*]  
wormwood [see *Cassia artemisioides*]  
sensitive plant [see *Mimosa pudica*] (Leguminosae)  
wild [see *Cassia nictitans*] (Leguminosae)  
**Serenoa repens** (Palmae) [saw palmetto], 1416 [flowers], 1422, 1507, 4070, 4079, 5734, 7746, 8556  
**Serissa** sp. (Rubiaceae), 8140  
**Serissa japonica**, 7890  
**Serratula** sp. (Compositae), 4435  
serviceberry [see *Amelanchior arborea*] (Rosaceae)  
**Sesamum** sp. (Pedaliaceae), 11071  
**Sesbania** sp. (Leguminosae), 2284, 6332.1, 8478, 8658, 9665, 11068  
**Sesbania drummondii**, 4336  
**Sesbania emerus**, 8574  
**Sesbania exaltata** [Colorado River hemp], 3956, 3957, 4210, 8574, 8658, 9672  
**Sesbania grandiflora** [scarlet wistaria tree], 3956  
**Sesbania longifolia**, 3956  
**Sesbania macrocarpa**, 3956, 4359a  
**Sesbania punicea**, 8658  
**Sesbania sericea**, 2284  
**Sesbania vesicaris**, 3732, 3745, 8658  
**Sesbania versicarium**, 5896  
**Sesuvium maritimum** (Aizoaceae), 4198a, 4354a  
**Setaria** sp. (Gramineae) [millet grass], 4004, 4949  
**Setaria italica** (Gramineae) [foxtail millet], 8465, 9666  
**Setaria macrosperma**, 3998  
**Setaria palmifolia** [palm grass], 5475  
**Setaria verticillata**, 4111  
seven-year apple [see *Genipa clusiaefolia*] (Rubiaceae)  
**Severinia buxifolia** (Rutaceae) [Chinese box orange], 854.1  
**Seymeria cassioides** (Scrophulariaceae), 4442a  
shaddock [see *Citrus maxima*] (Rutaceae)  
shaving-brush tree [see *Pseudobombax ellipticum*] (Bombacaceae)  
sheepberry [see *Viburnum lentago*] (Caprifoliaceae)  
shinleaf [see *Pyrola* sp.] (Pyrolaceae)  
shore elder [see *Iva imbricata*] (Compositae)  
**Sicana odorifera** (Cucurbitaceae) [curuba], 304, 433.1  
**Sida** sp. (Malvaceae), 3966, 3968, 4826  
**Sida acuta**, 3968, 8465  
**Sida antillensis**, 3968  
**Sida carpinifolia**, 3968  
**Sida cordifolia**, 8560  
**Sida filicaulis**, 3966  
**Sida lindheimeri**, 3966  
**Sida rhombifolia**, 694, 3274, 3966, 3967, 3968, 8457.1, 11068  
**Sida salviaefolia**, 3968  
**Sida spinosa**, 2209.1, 3966, 9669, 11068  
**Sidalcea** sp. (Malvaceae), 3966  
**Sidalcea glaucescens**, 3966  
**Sidalcea malvaeflora**, 3966  
**Sidalcea neomexicana**, 3966  
**Sidalcea oregona**, 3966  
**Sidalcea parviflora**, 3966  
*Sideroxylon* sp. [see *Mastichodendron* sp.] (Sapotaceae)  
silk oak [see *Grevillea robusta*] (Proteaceae)  
silk tree [see *Albizia julibrissin*] (Leguminosae)

- Silphium** sp. (Compositae), 3693  
**Silphium laciniatum** [compass plant], 3099  
**Silphium perfoliatum** [cup plant], 3098  
**Silybum marianum** (Compositae) [St. Mary's thistle], 4435, 6109  
**Simarouba glauca** (Simaroubaceae) [paradise tree], 2401  
**Simmondsia chinensis** (Buxaceae) [jojoba], 8316  
**Sinningia speciosa** (Gesneriaceae) [gloxinia], 9672  
**Siphonoglossa** sp. (Acanthaceae), 4476  
 siratro [see *Macroptilium atropurpureum*] (Leguminosae)  
 sissoo [see *Dalbergia sissoo*] (Leguminosae)  
**Sisymbrium** sp. (Cruciferae), 4193, 4207, 10663  
**Sisymbrium altissimum**, 4192, 4197  
**Sisymbrium irio**, 4197  
**Sisymbrium officinale**, 4197  
**Sium suave** (Umbelliferae) [water parsnip], 921, 3769, 4159a  
 skullcap [see *Scutellaria* sp.] (Labiatae)  
 skunk cabbage [see *Symplocarpus foetidus*] (Araceae)  
 skunk vine [see *Paederia foetida*] (Rubiaceae)  
 skyflower [see *Duranta repens*] (Verbenaceae)  
 smartweed [see *Polygonum* sp.] (Polygonaceae)  
**Smilax** sp. (Smilacaceae) [greenbrier], 454, 457, 2490, 3500, 4249 (aphids), 6077, 8146, 8525, 9618, 9619  
**Smilax auriculata**, 8525, 9619  
**Smilax bona-nox**, 457  
**Smilax herbacea**, 3500  
**Smilax laurifolia** [laurel-leaved greenbrier], 6745  
**Smilax rotundifolia** [horse brier], 4318a?, 6077, 6745, 8318, 8525, 8887, 9618, 9619, 9630, 10915  
 smoke tree [see *Cotinus coggygia*] (Anacardiaceae)  
 American [see *Cotinus obovatus*]  
 snake-plant [see *Sansevieria trifasciata*] (Lilaceae)  
 snakeroot, Samson [see *Psoralea psoraloides*] (Leguminosae)  
 Virginia [see *Aristolochia serpentaria*] (Aristolochiaceae)  
 white [see *Eupatorium rugosum*] (Compositae)  
 snapdragon [see *Antirrhinum* sp.] (Scrophulariaceae)  
 sneezeweed [see *Helenium* sp.] (Compositae)  
 snowbell, American [see *Styrax americanus*] (Styracaceae)  
 snowberry [see *Symphoricarpos albus*] (Caprifoliaceae)  
 snowbush [see *Breynia nivosa*] (Euphorbiaceae)  
 snowflake [see *Leucojum vernum*] (Liliaceae)  
 soapberry [see *Sapindus drummondii*] (Sapindaceae)  
 soda apple, tropical [see *Solanum viarum*] (Solanaceae)  
 wetland [see *Solanum tampicense*]  
**Solanum** sp. (Solanaceae) [nightshade], 3696, 3740, 5110, 7775, 7776, 9666, 9671, 9672, 10438, 10676  
**Solanum annuum**, 9666  
**Solanum americanum**, 9670  
**Solanum carolinense** [horse nettle], 2052, 2552, 4193, 7775, 9618, 9669  
**Solanum drymophilum**, 5107  
**Solanum dulcamara** [deadly nightshade], 9666  
**Solanum eleagnifolium** [silverleaf nightshade], 7775, 7776  
**Solanum erianthum** [potato tree], 5102, 5157  
**Solanum jasminoides**, 5107  
**Solanum melongena** var. **esculentum** [eggplant], 304, 432.1, 2011, 2047, 2049, 4949, 5107, 5157, 5204, 5272, 7746, 7775, 7776, 8131, 8137, 8146, 8887, 9665, 9672, 10663, 10664, 11068  
**Solanum nigrum** [black nightshade], 2039, 5157 7775, 8140, 11070, 11071  
**Solanum pseudocapsicum** [Jerusalem cherry], 454  
**Solanum radula**, 5107  
**Solanum rostratum**, 8137  
**Solanum sisymbriifolium** [sticky nightshade], 7775, 11071  
**Solanum tampicense** [wetland soda-apple], 9672  
**Solanum torvum**, 5157  
**Solanum tuberosum** [potato], 428, 432.1, 2011, 4949, 5896, 7775, 7776, 8131, 8137, 8887, 8890, 9665, 9666, 9669, 9670, 9672, 10648, 10661, 10663, 10664, 10670, 10731, 10805, 10915, 10942.1, 11069, 11071  
**Solanum uporo**, 9670  
**Solanum verbascifolium** [potato tree], 5157  
**Solanum viarum** [tropical soda apple], 5107, 11070  
**Solanum wallacei**, 7775  
**Solidago** sp. (Compositae) [goldenrod], 485, 723, 1986 (gall), 2289, 2295, 2297, 2298, 2305, 2701?, 2738, 2928, 3116, 3120, 3186, 3190, 3205, 3374, 3627, 3633, 3658, 3693, 3695, 3740, 4947, 4958a, 4962, 6214, 6258, 6941, 7058, 7071, 7123, 7132, 7474, 8689, 8889, 9053, 9065, 9690, 10200, 10304, 10368, 10648, 10670, 10942.1, 11177  
**Solidago altissima**, 11177  
**Solidago canadensis**, 1986, 6212, 6214, 11177  
**Solidago fistula**, 6212  
**Solidago gigantea**, 1986, 6212  
*Solidago graminifolia* [see *Euthamia graminifolia*] (Compositae)  
**Solidago leavenworthii**, 9669, 10915, 11068  
**Solidago odora** [sweet goldenrod], 6120  
*Solidago pauciflosculosa* [see *Chrysoma pauciflosculosa*] (Compositae)  
**Solidago salinis**, 1993  
**Solidago sempervirens**, 3704, 9465  
**Solidago stricta**, 11177  
*Solidago tenuifolia* [see *Euthamia tenuifolia*] (Compositae)  
**Solidago ulmifolia**, 485  
**Solierolia** sp. (Urticaceae), 4435  
**Solierolia solierolii** [baby's tears], 4437a, 8140  
**Sonchus asper** (Compositae) [sow thistle], 5946a  
**Sonchus oleraceus**, 8131, 9672  
**Sophora secundiflora** (Leguminosae), 4326  
**Sophora tomentosa** [necklace pod], 4992  
**Sorbaria sorbifolia** (Rosaceae), 8129  
**Sorbus** sp. (Rosaceae) [mountain ash], 3492, 3637, 4176, 4285b, 4432, 7048  
**Sorbus americana** [American mountain ash], 7701, 7767, 8318, 9200, 9237, 9240, 9246  
**Sorbus aucuparia** [European mountain ash], 2449, 9944  
**Sorghastrum avenaceum** (Gramineae), 4096, 4576a  
**Sorghastrum secundum**, 4096  
 sorghum [see *Sorghum bicolor*] (Gramineae)  
 sweet [see *Sorghum bicolor* 'Saccharatum group']  
**Sorghum** sp. (Gramineae), 4949, 5475, 5896, 8746, 9672, 9665, 10663, 11068  
**Sorghum bicolor** [sorghum], 1512, 3745, 5454, 6034, 8743, 8991, 9666, 10438, 10454, 11068  
**Sorghum bicolor** 'Caffrorum group', [kafir corn], 9666  
**Sorghum bicolor** 'Saccharatum group', [sweet sorghum], 5896, 9666  
**Sorghum bicolor** 'Subglabrescens group', [milo maize], 5896  
**Sorghum bicolor** 'Technicum group', 4949  
**Sorghum halepense** [Johnson grass], 443., 3993, 3995, 3998, 4111, 4949, 5896, 9666, 9672, 10661  
**Sorghum sudanense** [Sudan grass], 4949, 5896, 9666  
*Sorghum vulgare* [see *Sorghum bicolor*]  
 sorrel, garden [see *Rumex acetosa*] (Polygonaceae)

- sheep [see *Rumex acetosella*]  
 wood [see *Oxalis* sp.] (Oxalidaceae)  
 soursop [see *Annona muricata*] (Annonaceae)  
 sourwood [see *Oxydendrum arboreum*] (Ericaceae)  
 soybean [see *Glycine max*] (Leguminosae)  
 sow thistle [see *Sonchus asper*] (Compositae)  
 Spanish bayonet [see *Yucca aloifolia*] (Agavaceae)  
 Spanish dagger [see *Yucca gloriosa*]  
 Spanish moss [see *Tillandsia usneoides*] (Bromeliaceae)  
 Spanish needle [see *Bidens pilosa*] (Compositae)  
**Sparganium** sp. (Sparganiaceae) [bur reed], 4432, 9525a  
 sparkleberry [see *Vaccinium arboreum*] (Ericaceae)  
**Spartina** sp. (Gramineae) [cordgrass], 4004, 4116?, 6570?  
**Spartina alternifolia**, 8991  
**Spartina alternifolia** var. **glabra**, 4062a  
**Spartina patens** [salt meadow grass], 8169, 8765  
**Spathoglottis plicata** (Orchidaceae), 4700?  
**Spathyphyllum** sp. (Araceae), 432.1, 8131, 8887  
 spatterdock, common [see *Nuphar advena*] (Nymphaeaceae)  
**Spermacoce** sp. (Rubiaceae) [button plant], 7890  
**Spermacoce glabra**, 7890  
**Spermacoce laevis**, 5284  
**Spermacoce tetraquetra**, 5284  
**Spermolepis divaricata** (Umbelliferae), 4159a  
**Sphaeralcea** sp. (Malvaceae) [globe mallow], 3966  
**Sphaeralcea ambigua**, 3966, 4435, 4336  
**Sphaeralcea angustifolia**, 3966  
**Sphaeralcea coccinea**, 3966  
**Sphaeralcea iliamna**, 3966  
**Sphaeralcea incana**, 7059, 9132  
**Sphaeralcea lindheimeri**, 3966  
**Sphaeralcea munroana**, 3966  
**Sphaeralcea parvifolia**, 3966  
 spicebush [see *Lindera benzoin*] (Lauraceae)  
 spiderflower [see *Cleome hasslerana*] (Capparidaceae)  
 spiderflower, prickly [see *Cleome ruidosperma*] (Capparidaceae)  
 spider ivy [see *Chlorophytum comosum*] (Liliaceae)  
 spider lily [see *Hymenocallis rotata*] (Amaryllidaceae)  
 spider plant [see *Cleome* sp.] (Capparidaceae)  
 spider wisp [see *Cleome gynandra*] (Capparidaceae)  
 spiderwort, common [see *Tradescantia virginiana*] (Commelinaceae)  
 purple-leaved [see *Rhoeo spathacea*] (Commelinaceae)  
**Spigelia anthelmia** (Loganiaceae), 4616  
 spike rush [see *Eleocharis* sp.] (Cyperaceae)  
 spinach [see *Spinacia oleracea*] (Chenopodiaceae)  
**Spinacia** sp. (Chenopodiaceae), 10915  
**Spinacia oleracea** [spinach], 5079, 8131, 8140, 8887, 9666, 10223, 10663, 10805, 11068  
 spindle tree [see *Euonymus* sp.] (Celastraceae)  
 Japanese [see *Euonymus japonica*]  
 spiraea, rock [see *Petrophytum caespitosum*] (Rosaceae)  
**Spiraea** sp. (Rosaceae) [spirea], 6450, 7292, 7746, 7821, 7994, 8140, 8316  
**Spiraea corymbosa**, 7767  
**Spiraea latifolia** [meadowsweet], 4363, 4363.1, 4432, 6838, 10942.1, 10950  
**Spiraea prunifolia** [bridal-wreath], 8005  
**Spiraea salicifolia**, 2817, 4363, 6838, 7730, 7767, 7824, 10950  
**Spiraea tomentosa** [hardhack], 7767, 8318, 9286  
**Spiraea vanhouttei** [bridal-wreath], 8397  
**Spiranthes lanceolata** (Orchidaceae), 11068  
**Spirodella** sp. (Lemnaceae), 4754  
**Spirodella polyrrhiza**, 4754  
 spleenwort [see *Asplenium* sp.] (Polypodiaceae)  
**Spondias** sp. (Anacardiaceae), 2703, 7818  
**Spondias mombin** [hog plum], 442  
**Sporobolus virginicus**, 4117  
**Sprekelia formosissima** (Amaryllidaceae) [Jacobean lily; Aztec lily], 10640  
 spruce [see *Picea* sp.] (Pinaceae)  
 black [see *Picea mariana*]  
 Colorado [see *Picea pungens*]  
 Engelmann [see *Picea engelmannii*]  
 Norway [see *Picea abies*]  
 red [see *Picea rubens*]  
 Sitka [see *Picea sitchensis*]  
 white [see *Picea glauca*]  
 spurge [see *Euphorbia* sp.] (Euphorbiaceae)  
 mottled [see *Euphorbia lactea*]  
 squash [see *Cucurbita pepo*] (Cucurbitaceae)  
**Stachys** sp. (Labiatae) [betony], 2738  
**Stachys affinis** [Chinese artichoke], 4435, 11068  
**Stachys sieboldii**, 4435  
**Stachytarpheta indica** (Verbenaceae), 4442.1, 5554, 5555.1  
**Stachytarpheta jamaicensis**, 4442.1  
 stagbush [see *Viburnum prunifolium*] (Caprifoliaceae)  
 staghorn fern, common [see *Platyserium bifurcatum*] (Polypodiaceae)  
**Stapelia** sp. (Asclepiadaceae) [carrion flower], 4615a  
**Staphylea trifolia** (Staphyleaceae) [American bladdernut], 4170, 8140, 8316  
 star-cluster [see *Pentas lanceolata*] (Rubiaceae)  
**Stellaria media** (Caryophyllaceae) [chickweed], 4248, 7094, 7146, 7894, 10397, 10651, 10661, 10670, 10915, 10942.1  
**Sternbergia lutea** (Amaryllidaceae) [winter daffodil], 10640  
**Stemodia tomentosa** (Scrophulariaceae), 432.1, 4442a, 4700  
**Stenotaphrum secundatum** (Gramineae) [St. Augustine grass], 3998, 4013, 4049, 4111, 5274, 8267, 8404.1, 8743, 9672, 10455, 10663, 10663, 10911  
**Stephanotis** sp. (Asclepiadaceae), 8038a  
**Stigmaphyllon periplocifolium** (Malthaceae), 3886  
**Stillingia** sp. (Euphorbiaceae), 7059  
**Stillingia sylvatica** [queen's delight], 3424  
**Stipa** sp. (Gramineae), 443  
**Stipa leucotricha**, 443  
**Stipa spartea**, 4587a  
**Stizolobium** sp. (Leguminosae) [velvetbean], 2497  
*Stizolobium deeringianum* [see *Mucuna deeringianum*] (Leguminosae)  
 stock [see *Matthiola* sp.] (Cruciferae)  
 stonecrop [see *Sedum* sp.] (Crassulaceae)  
 stopper [see *Eugenia* sp.] (Myrtaceae)  
 boxleaf [see *Eugenia myrtoidea*]  
 stored grain, 5634, 6019, 6020, 6021, 6022  
 strangler vine [see *Morrenia odorata*] (Asclepiadaceae)  
 strawbell [see *Uvularia perfoliata*] (Liliaceae)  
 strawberry [see *Fragaria* sp.] (Rosaceae)  
 beach [see *Fragaria chiloensis*]  
 strawberry tree [see *Arbutus unedo*] (Ericaceae)  
 wild [see *Muntingia* sp.] (Elaeocarpaceae)  
**Strelitzia** sp. (Musaceae) [bird-of-paradise], 432.1, 9526, 9669  
**Strelitzia nicolai** [bird-of-paradise tree], 432.1, 4700  
**Streptanthus tortuosus** (Cruciferae), 4197  
**Stromanthe sanguinea** (Marantaceae), 432.1  
 strongbark, Bahama [see *Bourreria ovata*] (Boraginaceae)

- Strophostyles helvola** (Leguminosae), 3909, 7663  
**Strophostyles leiosperma**, 3909  
**Strophostyles tomentosus**, 3909  
**Stylosanthes biflora** (Leguminosae) [pencil flower], 4243  
**Stylosanthes humilis**, 11071  
**Styrax americanus** (Styracaceae) [American snowbell], 7764  
**Styrax grandifolius**, 4562.1  
 sugarberry [see *Celtis laevigata*] (Ulmaceae)  
 sugarcane [see *Saccharum officinarum*] (Gramineae)  
 sumac [see *Rhus* sp.] (Anacardiaceae)  
     dwarf [see *Rhus copallina*]  
     fragrant [see *Rhus aromatica*]  
     poison [see *Rhus vernix*]  
     smooth [see *Rhus glabra*]  
     staghorn [see *Rhus typhina*]  
 sundew [see *Drosera* sp.] (Droseraceae)  
     dwarf [see *Drosera brevifolia*]  
     round-leaved [see *Drosera rotundifolia*]  
 sunflower [see *Helianthus* sp.] (Compositae)  
     common [see *Helianthus annuus*]  
     Oregon [see *Balsamorhiza sagittata*] (Compositae)  
     swamp [see *Helianthus angustifolius*]  
 sun rose [see *Helianthemum* sp.] (Compositae)  
 supplejack [see *Berchemia scandens*] (Rhamnaceae)  
**Suriana maritima** (Surianaceae) [bay cedar], 4340  
 swamp dock [see *Rumex verticillata*] (Polygonaceae)  
 swamp immortelle [see *Erythrina fusca*] (Leguminosae)  
 swamp lily [see *Crinum* sp.] (Liliaceae)  
 swamp primrose [see *Lysimachia* sp.] (Primulaceae)  
 swamp willow [see *Salix caroliniana*] (Salicaceae)  
 sweet anise [see *Illicium parviflorum*] (Illiciaceae)  
 sweetbay [see *Magnolia virginiana*] (Magnoliaceae)  
 sweetbells [see *Leucothoe racemosa*] (Ericaceae)  
 sweetbrier [see *Rosa eglanteria*] (Rosaceae)  
 sweet cicely, woolly [see *Osmorhiza claytonii*] (Umbelliferae)  
 sweet fern [see *Comptonia* sp.] (Myricaceae)  
 sweet gale [see *Myrica gale*] (Myricaceae)  
 sweetgum [see *Liquidambar styraciflua*] (Hamamelidaceae)  
 sweet potato [see *Ipomoea batatas*] (Convolvulaceae)  
 sweetshrub [see *Calycanthus* sp.] (Calycanthaceae)  
 sweetspire [see *Itea virginica*] (Iteaceae)  
 sweet william [see *Dianthus barbatus*] (Caryophyllaceae)  
**Swietenia** sp. (Meliaceae) [mahogany], 4700  
**Swietenia mahogany** [West Indian mahogany], 851.1, 4443a?, 4700, 5575, 5705, 9670  
 swordbean [see *Canavalia gladiata*] (Leguminosae)  
 sword fern [see *Nephrolepis* sp.] (Polypodiaceae)  
 sycamore [see *Platanus* sp.] (Platanaceae)  
     Eastern [see *Platanus occidentalis*]  
**Symphoricarpos** sp. (Caprifoliaceae), 2412, 3662, 7855  
**Symphoricarpos albus** [snowberry], 2412, 7746, 7767, 7853, 7855, 8140, 8316  
**Symphoricarpos occidentalis** [wolfberry], 4410?  
**Symphoricarpos orbiculatus** [Indian currant], 8398  
**Symphytum officinale** (Boraginaceae), 4435, 10397  
**Symplocarpus foetidus** (Araceae) [skunk cabbage], 8318, 9525a  
**Symplocos tinctoria** (Symplocaceae), 3725.1, 4284  
**Synedrella nodiflora** (Compositae), 5169  
**Synema** sp. (Acanthaceae), 4755  
**Syngonium** sp. (Araceae), 9669  
**Syringa** sp. (Oleaceae) [lilac], 2589, 3635, 3716, 4181, 6797, 7666, 7706, 7764, 7783, 7787, 7809, 8140, 9272, 9286  
**Syringa persica** [Persian lilac], 7802  
**Syringa vulgaris** [common lilac], 4176, 4181, 7670, 7764, 7767, 7778, 7793, 7802, 8129, 8137, 8316, 9638  
**Syzygium** sp. (Myrtaceae), 4700  
**Syzygium cumini** [Java plum], 9669  
**Tabebuia** sp. (Bignoniaceae) [trumpet tree], 4545, 9669  
**Tabebuia argentea** [silver trumpet tree], 4647, 4700, 5565, 6088, 7746  
**Tabebuia avellanedae**, 6088  
**Tabebuia heterophylla**, 6088  
**Tabebuia impetiginosa**, 6088  
**Tabebuia pallida** [Cuban pink trumpet tree], 5565, 6088, 7782?  
**Tabebuia rosea**, 5564  
**Tabebuia umbellata**, 4700  
**Taenidia integerrima** (Umbelliferae), 4159a  
**Tagetes** sp. (Compositae) [marigold], 4248, 5935, 9672, 9699, 10664  
 tailflower [see *Anthurium* sp.] (Araceae)  
 talewort [see *Borago officinalis*] (Boraginaceae)  
 tallowtree, Chinese [see *Sapium sebiferum*] (Euphorbiaceae)  
 tamarack [see *Larix laricina*] (Pinaceae)  
 tamarind [see *Tamarindus indica*] (Leguminosae)  
     wild [see *Lysiloma latisiliqua*] (Leguminosae)  
**Tamarindus** sp. (Leguminosae) [tamarind], 304, 5722, 5723  
**Tamarindus indica** [tamarind], 457, 5723, 7746  
 tamarisk, Chinese [see *Tamarix chinensis*] (Tamaricaceae)  
**Tamarix chinensis** (Tamaricaceae) [Chinese tamarisk], 6450  
 tampala [see *Amaranthus tricolor*] (Amaranthaceae)  
**Tanacetum** sp. (Compositae), 4435  
**Tanacetum vulgare** [common tansy], 4159a  
 tangelo [see *Citrus x tangelo*] (Rutaceae)  
     Minneola [see *Citrus x tangelo* 'Minneola']  
 tangerine [see *Citrus reticulata*] (Rutaceae)  
 tangor [see *Citrus x nobilis*] (Rutaceae)  
     Temple [see *Citrus x nobilis* 'Temple']  
 tansy, common [see *Tanacetum vulgare*] (Compositae)  
**Taraxacum** sp. (Compositae) [dandelion], 7151, 7474, 8114, 8118, 8134, 10563, 10998  
**Taraxacum officinale** [common dandelion], 6941, 7060.1, 7108, 7123, 7776?, 8122, 8129, 8137, 8169, 8170, 8171, 8196a, 8198, 8243.1, 8316, 8887, 8924, 9684, 10397, 10585, 10627a, 10664, 10670, 10731, 10942.1, 10950, 11169  
 taro [see *Colocasia esculenta*] (Araceae)  
 tassel flower [see *Emilia sagittata*] (Compositae)  
 tattoo bush [see *Jatropha gossypifolia*] (Euphorbiaceae)  
**Taxodium** sp. (Taxodiaceae) [cypress], 457, 1623, 3635.1?, 7902, 8729, 8729.1  
**Taxodium distichum** [bald cypress], 457, 1623, 3606, 5849, 6580, 7071, 7704, 7787, 8140, 8303, 8318, 8397, 8629, 8728, 8729  
**Taxus** sp. (Taxaceae) [yew], 7474, 8140, 8316  
 tea, Mexican [see *Chenopodium ambrosioides*] (Chenopodiaceae)  
     New Jersey [see *Ceanothus americanus*] (Rhamnaceae)  
**Tecoma** sp. (Bignoniaceae) [trumpetbush], 7793, 7843  
**Tecoma stans** [esperanza], 4336, 4647  
**Tecomaria** sp. (Bignoniaceae), 7865  
**Tecomaria capensis** [Cape honeysuckle], 6088  
 tendergreen [see *Brassica rapa* 'Perviridis group'] (Cruciferae)  
**Tephrosia** sp. (Leguminosae) [hoary pea], 5900

- Tephrosia candida**, 2272  
**Tephrosia florida** var. **gracillima**, 3909, 6357  
**Tephrosia purpurea**, 2272  
**Tephrosia toxicaria**, 2272  
**Tephrosia villosa**, 2272  
**Terminalia catappa** (Combretaceae) [tropical almond], 457, 4647  
**Tetrapanax papyriferus** (Araliaceae) [Chinese rice-paper tree], 8140, 8887  
 tetterbush [see *Lyonia lucida*] (Ericaceae)  
**Teucrium canadense** (Labiatae), 2738  
 Texas bull nettle [see *Cnidoscolus texanus*] (Euphorbiaceae)  
**Thalia dealbata** (Marantaceae), 4115  
**Thalia geniculata** [fire flag], 4115, 5126, 6090.1  
**Thalictrum** sp. (Ranunculaceae) [meadow rue], 4170, 10942.1  
**Thamnosma texana** (Rutaceae), 4159a  
**Thapsium barbinode** (Umbelliferae), 4159a  
**Thaumatococcus spruceanum** (Araceae), 9669  
**Thesperma filifolium** var. **filifolium** (Compositae), 4248  
**Thelypodium elegans** (Cruciferae), 4192  
**Thelypodium lasiophyllum**, 4192  
**Thelypteris** sp. (Polypodiaceae), 9630, 9670  
**Thelypteris palustris** [marsh fern], 9269  
**Theobroma cacao** (Sterculiaceae) [cacao], 9673.1  
**Thermopsis divaricarpa** (Leguminosae), 4209  
**Thermopsis montana**, 4210  
**Thermopsis rhombifolia**, 8197  
**Thermopsis villosa**, 3959  
**Thespesia populnea** (Malvaceae) [portia tree], 457, 7746  
**Thevetia peruviana** (Apocynaceae) [yellow oleander], 5217  
 thistle [see *Carduus* sp.; *Cirsium* sp.] (Compositae)  
   blessed [see *Cnicus benedictus*] (Compositae)  
   bull [see *Cirsium vulgare*]  
   Canada [see *Cirsium arvense*]  
   cotton [see *Onopordum acanthium*] (Compositae)  
   St. Mary's [see *Silybum marianum*] (Compositae)  
   sow [see *Sonchus asper*] (Compositae)  
   yellow [see *Cirsium horridulum*]  
**Thlaspi arvense** (Cruciferae) [penny cress], 4192, 4197, 10731  
 thorn apple, common [see *Datura stramonium*] (Solanaceae)  
**Thrinax radiata** (Palmae) [thatch palm], 4079  
**Thuja** sp. (Cupressaceae) [arborvitae], 8129, 8140  
**Thuja occidentalis** [American arborvitae], 3638, 3748, 6362?, 6598, 6888, 7764, 8318  
**Thuja occidentalis 'Globosa'**, 457  
**Thuja orientalis** [oriental arborvitae], 454, 4677?, 7746  
**Thuja orientalis 'Conspicua'**, 457  
**Thuja orientalis 'Pyramidalis'**, 457  
**Thuja plicata** [giant arborvitae], 3602, 4318a, 6598  
**Thunbergia erecta** (Acanthaceae) [king's-mantle], 9669  
*Thurberia* sp. [see *Gossypium* sp.] (Malvaceae)  
**Tibouchia** sp. (Melastomaceae) [glory bush], 3745  
**Tibouchia gloriosa**, 11071  
 tickseed [see *Coreopsis* sp.] (Compositae)  
 tiger-flower [see *Tigridia* sp.] (Iridaceae)  
**Tigridia** sp. (Iridaceae) [tiger-flower], 2738  
 tiki [see *Asparagus virgatus*] (Liliaceae)  
**Tilia** sp. (Tiliaceae) [basswood; linden], 457, 764, 957, 2281, 3597, 3635, 3648, 3725, 4420, 4421, 4432a, 4665, 4671, 4681, 4685, 4700, 5241, 5277, 5995, 6620, 6652b, 6658, 6660, 6743, 6797, 6798, 6838, 7009, 7048, 7235, 7698, 7701, 7704, 7746, 7821, 7903, 7931, 7951, 7998, 7999, 8007, 8140, 8316, 8588, 9182, 9236, 9257, 9638, 9887, 9910, 9941, 10491, 10521  
**Tilia americana** [American basswood], 457, 764, 2281, 4176, 4335?, 4420, 4432, 4522a, 4697, 6258, 6658, 6660, 6763, 7084a, 7704, 7757, 7764, 7767, 7824, 7902, 7903, 7930, 7999, 8005, 8007, 8140, 8203, 8316, 8318, 9200  
**Tilia caroliniana**, 4420  
**Tilia europaea** [European linden], 457, 7704, 7767, 7902, 7942, 8140, 8203, 8316, 8318, 9200  
**Tilia heterophylla** [white basswood], 457, 7704, 7902, 8203, 9200  
**Tillandsia fasciculata** (Bromeliaceae) [wild pineapple], 5634.1  
**Tillandsia ionantha**, 432.1  
**Tillandsia setacea**, 8146  
**Tillandsia urticulata**, 432.1  
**Tillandsia usneoides** [Spanish moss], 8146, 8266  
 ti plant [see *Cordyline terminalis*] (Agavaceae)  
 titi [see *Cyrilla racemiflora*] (Cyrillaceae)  
 toadflax [see *Linaria* sp.] (Scrophulariaceae)  
   common [see *Linaria vulgaris*]  
   old-field [see *Linaria canadensis*]  
 tobacco [see *Nicotiana tabacum*] (Solanaceae)  
   rabbit [see *Gnaphalium obtusifolium*] (Compositae)  
   tree [see *Nicotiana glauca*] (Solanaceae)  
   wild [see *Nicotiana rustica*]  
 tomato [see *Lycopersicon esculentum*] (Solanaceae)  
 tomato tree [see *Cyphomandra betacea*] (Solanaceae)  
 toog tree [see *Bischofia javanica*] (Euphorbiaceae)  
 tooth-cup [see *Rotala* sp.] (Lythraceae)  
 torchwood [see *Amyris elemifera*] (Rutaceae)  
**Torreya taxifolia** (Taxaceae) [stinking cedar], 8140  
*Torrubia longifolia* [see *Guapira longifolia*] (Nyctaginaceae)  
*Toxicodendron diversilobium* [see *Rhus diversiloba*] (Anacardiaceae)  
*Toxicodendron radicans* [see *Rhus radicans*]  
*Toxicodendron vernix* [see *Rhus vernix*]  
**Trachelospermum** sp. (Apocynaceae), 8284a  
**Trachelospermum jasminoides** [star jasmine], 8130, 8284a  
**Trachycarpus fortunei** (Palmae) [windmill palm], 432.1, 1422  
*Tradescantia bicolor* [see *Rhoeo spatheca*] (Commelinaceae)  
**Tradescantia fluminensis** (Commelinaceae), 8884  
**Tradescantia virginiana** [common spiderwort], 7886, 9671  
**Tragopogon porrifolius** (Compositae) [salsify], 8137, 9669, 10661  
 Transvaal daisy [see *Gerbera jamesonii*] (Compositae)  
 travelers-joy [see *Clematis vitalba*] (Ranunculaceae)  
 tread-softly [see *Cnidoscolus* sp.] (Euphorbiaceae)  
 tree, bird-of-paradise [see *Strelitzia nicolai*] (Musaceae)  
   shaving-brush [see *Pseudobombax ellipticum*] (Bombacaceae)  
   umbrella [see *Schefflera arboricola*] (Araliaceae)  
 treebine [see *Cissus* sp.] (Vitaceae)  
   Venezuela [see *Cissus rhombifolia*]  
 tree-of-heaven [see *Ailanthus altissima*] (Simaroubaceae)  
 trema, Florida [see *Trema micranthes*] (Ulmaceae)  
   West Indies [see *Trema lamarckiana*]  
**Trema guineensis** (Ulmaceae), 8146  
**Trema lamarckiana** [West Indies trema], 4535 (p. 56), 4647  
**Trema micrantha** [Florida trema], 4340, 4535 (p. 56), 7746, 8202  
**Trevesia** sp. (Araliaceae), 433.1  
*Trichloris pluriflora* [see *Chloris pluriflora*] (Gramineae)

- Trichocoronis rivularis** (Compositae), 9672  
**Tricholaena rosea** (Gramineae), 8743  
**Trichostema dichotomum** (Labiatae) [bastard pennyroyal], 1508, 7778  
**Trichostema suffrutescens**, 1508  
**Tridens** sp. (Gramineae), 4060  
**Tridens flavus**, 4042, 4048, 4078a?, 4587  
**Trifolium** sp. (Leguminosae) [clover], 457, 1761, 3635, 3693, 3695, 3740, 3747, 3910, 4210, 4224, 4228a, 4237, 4242, 4243, 4363, 4435, 4578a?, 4949, 4975, 5156, 6584, 6590, 6597, 6704?, 6941, 7094, 7108, 7122, 7123, 7146, 7149, 7152, 7159, 7169, 7746, 7957, 8129, 8131, 8137, 8140, 8169, 8171, 8316, 8465, 8731, 8738, 8739, 8887, 9272, 9666, 9671, 9672, 10223, 10304, 10368, 10397, 10438, 10648, 10651, 10661, 10663, 10664, 10670, 10674, 10731, 10805, 10911, 10915, 10942.1, 10955, 10998, 11068  
**Trifolium agrarium** [hop clover], 4209, 8137  
**Trifolium arvense**, 4336  
**Trifolium hybridum** [alsike clover], 4209, 4361, 8465  
**Trifolium incarnatum** [crimson clover], 4336, 8465  
**Trifolium nanum**, 4210  
**Trifolium oliganthum**, 4336  
**Trifolium pratense** [red clover], 3909, 3910, 4209, 4210, 4361a, 8465, 9203, 9666, 11068  
**Trifolium reflexum**, 4210  
**Trifolium repens** [white clover], 3910, 4209, 4210, 4336, 4361a, 7746, 8131, 9666, 10679.1  
**Trifolium stoloniferum**, 4210  
**Trifolium tridentatum**, 4210, 4336, 4361  
**Trifolium wormskjoldii**, 4210  
**Triodea fusca** (Gramineae), 11074  
**Triosteum** sp. (Caprifoliaceae) [horse gentian], 7855  
**Triosteum perfoliatum** [fever root], 7855  
**Triphasia** sp. (Rutaceae), 4170  
**Triplaris** sp. (Polygonaceae) [hormigo], 6967a  
**Tripogandra multiflora** (Commelinaceae) [fern-leaf inch plant], 3635  
**Tripsacum dactyloides** (Gramineae), 4052, 5475  
**Triticum** sp. (Gramineae) [wheat], 5896  
**Triticum aestivum** [common wheat], 8895, 9272, 9520, 9666, 9720, 10438, 10664, 10670, 10674, 10731, 10915, 10942.1, 11068  
**Trixis californica** (Compositae), 5948  
**Tropaeolum** sp. (Cruciferae) [nasturtium], 4198a, 4363, 8131, 8895, 11068  
**Tropaeolum cleome**, 4197  
**Tropaeolum majus** [garden nasturtium], 4192, 4197, 8129, 8137, 8887, 9672, 10915  
tropical almond [see *Terminalia catappa*] (Combretaceae)  
tropical soda apple [see *Solanum viarum*] (Solanaceae)  
trumpet, Herald's [see *Beaumontia grandiflora*] (Apocynaceae)  
trumpetbush [see *Tecoma* sp.] (Bignoniaceae)  
trumpet creeper, red [see *Campsis radicans*] (Bignoniaceae)  
trumpet flower [see *Bignonia capreolata*] (Bignoniaceae)  
trumpets, yellow [see *Sarracenia alata*] (Sarraceniaceae)  
trumpet tree [see *Tabebuia* sp.] (Bignoniaceae)  
Cuban pink [see *Tabebuia pallida*]  
silver [see *Tabebuia argentea*]  
trumpet vine, pink [see *Podranea ricasoliana*] (Bignoniaceae)  
**Tsuga** sp. (Pinaceae) [hemlock], 3602, 3638, 3748, 6597  
**Tsuga canadensis** [eastern hemlock], 457, 3638, 6352, 6598, 6620, 6843, 6888, 6894a, 6908, 7704, 8318, 8956, 9678, 10915, 10967  
**Tsuga heterophylla** [western hemlock], 3602, 3638, 4318a, 6863, 6888  
**Tsuga mertensiana** [mountain hemlock], 3638  
tuberose [see *Clerodendrum indicum*] (Verbenaceae)  
tuberose, Mexican [see *Polianthes tuberosa*] (Agavaceae)  
tulip tree [see *Liriodendron tulipifera*] (Magnoliaceae)  
tuna [see *Opuntia* sp.] (Cactaceae)  
orange [see *Opuntia elata*]  
tung oil tree [see *Aleurites fordii*] (Euphorbiaceae)  
tupelo [see *Nyssa* sp.; *Nyssa aquatica*] (Nyssaceae)  
**Tupidanthus calyptratus** (Araliaceae), 6966  
**Turbina corymbosa** (Convolvulaceae), 5248, 5263  
**Turnera ulmifolia** (Turneraceae) [yellow alder], 3274, 4447, 7746  
turnips [see *Brassica rapa*] (Cruciferae)  
**Typha** sp. (Typhaceae) [cattail], 1515, 4889, 9280, 9449, 9523  
**Typha angustifolia** [narrow-leaved cattail], 2111.1, 9449, 9524  
**Typha latifolia** [common cattail], 9272, 9280, 9525a, 9526  
**Ulmus** sp. (Ulmaceae) [elm], 1046, 1513, 1623, 2701?, 3635, 3648, 3698, 4176, 4249 (aphids), 4420, 4421, 4432a, 4437a, 4657, 4665, 4679, 4681, 4685, 4697, 4698, 4700, 5918?, 5926, 6258, 6570, 6583, 6590, 6621b, 6652b, 6654, 6658, 6660, 6743, 6796, 6797, 6798, 6838, 6843, 6885, 6894a, 6966, 7196, 7414, 7670, 7698, 7701, 7704, 7746, 7757, 7786, 7808, 7821, 7824, 7894, 7896a, 7902, 7906, 7929, 7931, 7951, 7994, 7998, 7999, 8005, 8007, 8010, 8012, 8106, 8137, 8140, 8302, 8316, 8956, 9189, 9199, 9212, 9225, 9235, 9236, 9237, 9257, 9272, 9638, 9662, 10223, 10502  
**Ulmus alata** [winged elm], 4420, 6586, 7704, 8005  
**Ulmus americana** [American elm], 457, 3597, 3625, 3648, 3695, 3725, 3748, 4420, 4421, 4432a, 4435, 4522a, 6258, 6660, 6763, 6888, 7048, 7704, 7767, 7929, 8129, 8140, 8203, 8316, 8318, 9037, 9038, 9200, 9662  
**Ulmus carpinifolia** [smooth elm], 457  
**Ulmus chinensis** [Chinese elm], 7746  
**Ulmus crassifolius** [cedar elm], 4420, 4647  
**Ulmus parvifolia** [Chinese elm], 2547, 4420, 4647, 4677, 6620a, 7746, 8005, 8140  
**Ulmus procera** [English elm], 7704, 8318, 9200  
**Ulmus pumila**, 4420, 4432  
**Ulmus rubra** [red elm], 457, 4420, 4432, 660, 7704, 7767, 8140, 8203, 8316, 8318, 8445, 9200  
**Ulmus thomasii** [rock elm], 6620, 7704, 7767  
umbrella tree [see *Schefflera arboricola*] (Araliaceae)  
Australian [see *Brassaia actinophylla*] (Araliaceae)  
*Uniola latifolia* [see *Chasmanthium latifolia*] (Gramineae)  
**Urena lobata** (Malvaceae) [Caesar's weed], 4079, 7746, 8316, 8545  
urn plant [see *Aechmea fasciata*] (Bromeliaceae)  
**Urtica** sp. (Urticaceae) [nettle], 3654, 4420, 4421, 4434, 4435, 4437a, 8898, 10915  
**Urtica dioica** [stinging nettle], 4420, 4421, 4435, 4437a, 6584  
**Urtica dioica** var. *lyallii*, 4435  
**Urtica urens**, 4435, 4437a  
**Utricularia inflata** (Lentibulariaceae) [bladderwort], 4764  
**Uvularia perfoliata** (Liliaceae) [strawbell], 6885?  
**Vaccinium** sp. (Ericaceae) [blueberry], 457, 2079?, 2286, 2750, 3428, 3504, 3625, 3633, 3648, 3656, 3658, 3695,

- 3720, 3740, 3745, 4176, 4184, 4363, 4522a, 4523a, 4642, 4655?, 4671, 4700, 5653, 5806, 5809, 6341, 6677, 6724, 6832, 6838, 6888, 6982a, 7084a, 7159, 7196, 7701, 7757, 7767, 7854, 7886, 7902, 7903, 7905, 7911, 8005, 8009, 8010, 8131, 8140, 8316, 8490, 8618, 8846, 8847, 8848, 8849, 9211, 9286, 9945, 9949, 10521, 10676, 10915, 10942.1, 10969
- Vaccinium angustifolium** [lowbush blueberry], 3504, 6450, 6660, 7698, 7784, 8007, 8203, 8318, 8490, 10663, 10670, 10915, 10942.1, 10950
- Vaccinium arboreum** [sparkleberry], 2750, 4285, 7907
- Vaccinium ashei** [rabbit-eye blueberry], 2198, 5653, 8007, 9665
- Vaccinium corymbosum** [highbush blueberry], 451, 1014, 2281, 4285b, 4325a, 4363, 5653, 7810, 7826, 7854, 8203, 8490, 8849, 9200, 10915
- Vaccinium crassifolium** [creeping blueberry], 4284?
- Vaccinium macrocarpon** [cranberry], 2770, 3695, 5653, 6590, 6966, 7474, 7730, 7810, 8318, 8924, 9211, 9666, 9672, 9950, 10438, 10663, 10942.1, 10993
- Vaccinium myrtilloides** [sourtop blueberry], 6450, 10670, 10915, 10942.1
- Vaccinium myrtilus** [whortleberry], 4325a, 7784, 7810
- Vaccinium pallidum** [dryland blueberry], 4326a
- Vaccinium stamineum** [deerberry], 2750, 5653, 7855, 7905, 9211
- Vaccinium uliginosum** [bog bilberry; moorberry], 6341, 7784, 7810, 7826, 7905
- Vaccinium vacillans** [sugar huckleberry], 4326, 7826, 7854
- Vaccinium vitis-idaea** [cowberry], 5653
- Vachellia* sp. [see *Acacia* sp.] (Leguminosae)
- Vallisneria neotropicalis** (Hydrocharitaceae) [eel grass], 4760
- Vallisneria spiralis** [wild celery], 4760
- Vallota speciosa** (Amaryllidaceae) [Scarborough lily], 10640
- Vanilla** sp. (Orchidaceae), 3745
- varnish tree [see *Koelreuteria paniculata*] (Sapindaceae)
- Veitchia merrillii** (Palmae) [Manila palm], 432.1, 442, 454, 4079, 4700, 7746
- velvetbean [see *Stizolobium* sp.] (Leguminosae)
- velvet bean [see *Mucuna sloanei*] (Leguminosae)
- velvetleaf [see *Wissadula holosericea*] (Moraceae)
- velvet plant [see *Gynura aurantiaca*] (Compositae)
- velvet seed [see *Guettarda elliptica*] (Rubiaceae)
- Venezuela treebine [see *Cissus rhombifolia*] (Vitaceae)
- Verbascum** sp. (Scrophulariaceae) [mullein], 2738, 10670, 10942.1
- verbena, shrub [see *Lantana* sp.] (Verbenaceae)
- Verbena** sp. (Verbenaceae) [vervain], 2738, 3693, 8137, 9619, 10032
- Verbena bonariensis**, 2738
- Verbena hastata** [blue vervain], 4442a
- Verbena lasiostachys** var. **lasiostachys**, 4440
- Verbesina** sp. (Compositae) [crownbeard], 4476a?, 5935, 7059a, 8137, 9766, 9781
- Verbesina alba**, 5169
- Verbesina alternifolia**, 866, 4363, 4363.1 4481a, 4490, 6078
- Verbesina encelioides**, 11105, 11115
- Verbesina helianthoides**, 4363, 4481a, 4490
- Verbesina virginica**, 724, 2302, 4363, 4490
- Vernonia** sp. (Compositae) [ironweed], 2302, 3662, 4434, 5228, 5228.1, 7071, 9689
- Vernonia crinita**, 2596
- Vernonia gigantea**, 6207
- Vernonia harperi**, 7058
- Vernonia noveboracensis**, 457, 2596, 2723, 6207, 8131, 8196a, 9669, 9689
- Veronica americana** (Scrophulariaceae), 4440
- Veronica anagalis-aquatica**, 4440
- Veronica comosa**, 4440
- Veronicastrum virginicum** (Scrophulariaceae), 1387
- vervain [see *Verbena* sp.] (Verbenaceae)
- blue [see *Verbena hastata*]
- vetch [see *Vicia* sp.] (Leguminosae)
- bird [see *Vicia cracca*]
- hairy [see *Vicia villosa*]
- milk [see *Astragalus* sp.] (Leguminosae)
- sensitive joint [see *Aeschynomene viscidula*] (Leguminosae)
- spring [see *Vicia sativa*]
- Viburnum** sp. (Caprifoliaceae) [arrowwood], 454, 2555, 3540, 3622, 3648, 4363, 4700, 5745, 6255, 7663, 7764, 7885, 7886, 7994, 8006, 8010, 8022, 8131, 8140, 8316, 8717, 9281, 9545, 10942.1
- Viburnum acerifolium** [dockmackie], 4326, 4363, 8022, 8318
- Viburnum cassinoides** [withe-rod], 4363, 7635, 8318
- Viburnum dentatum** [southern arrowwood], 4363, 4363.1, 7704, 7746, 7853, 7886, 8022, 8129, 9212, 9281, 9638
- Viburnum lentago** [sheepberry], 4363, 7853, 7886, 8010, 8022, 8318, 8717
- Viburnum nudum** [smooth withe-rod], 7653
- Viburnum obovatum**, 9281
- Viburnum odoratissimum**, 3606, 3695, 8131
- Viburnum opulus** [cranberry bush], 2555, 7853, 7886
- Viburnum prunifolium** [stagbush], 4363, 7653
- Viburnum suspensum**, 3622, 3633, 7698
- Vicia** sp. (Leguminosae) [vetch], 4336, 5744, 8733
- Vicia americana**, 3910, 4209, 4210, 4361
- Vicia angustifolia**, 4210, 4361
- Vicia cracca** [bird vetch], 4209, 4210, 4361
- Vicia faba** [broad bean], 8465, 8743
- Vicia ludoviciana**, 3957
- Vicia sativa** [spring vetch], 4210, 4335?, 4361, 8465, 11068
- Vicia villosa** [hairy vetch], 4361, 11068
- Vigna** sp. (Leguminosae) [cowpea], 3732, 3868a, 3886, 3902, 4949, 4975, 5157, 5725, 5741, 5744, 5896, 6021, 8890
- Vigna luteola**, 5895
- Vigna luteus**, 725
- Vigna repens**, 5725
- Vigna sinensis**, 3886, 4336, 5725, 5896, 10664
- Vigna unguiculata** [common cowpea], 5212, 5725, 8574
- Vigna unguiculata unguiculata** [black-eyed pea], 5725, 5741, 5895, 7173, 8131, 8465, 8574, 8887, 9666, 9672, 11068
- Viguiera** sp. (Compositae) [goldeneye], 5935
- Viguiera porteri**, 7059
- Vinca** sp. (Apocynaceae) [periwinkle], 11071
- vine, balloon [see *Cardiospermum halicacabum*] (Sapindaceae)
- common matrimony [see *Lycium barbarum*] (Solanaceae)
- cypress [see *Ipomoea quamoclit*] (Convolvulaceae)
- flame [see *Pyrostegia venusta*] (Bignoniaceae)
- kangeroo [see *Cissus antarctica*] (Vitaceae)
- kudzu [see *Pueraria lobata*] (Leguminosae)
- Mexican flame [see *Senecio confusus*] (Compositae)
- moonflower [see *Calonyction* sp.; *Ipomoea alba*] (Con-



- volvulaceae)  
 morning-glory [see *Ipomoea* sp.] (Convolvulaceae)  
 pepper [see *Ampelopsis arborea*] (Vitaceae)  
 pink trumpet [see *Podranea ricasoliana*] (Bignoniaceae)  
 princess [see *Cissus sicyoides*]  
 railroad [see *Ipomoea pes-caprae*] (Convolvulaceae)  
 rubber [see *Cryptostegia grandiflora*] (Periplocaceae)  
 wax [see *Hoya* sp.] (Asclepiadaceae)  
 vine maple [see *Acer cincinatum*] (Aceraceae)  
*Vincetoxicum* sp. [see *Cynanchum* sp.] (Asclepiadaceae)  
**Viola** sp. (Violaceae) [violet], 3658, 4447, 4450a, 4949, 7440, 8137, 8146, 8171, 9666, 9669, 9671, 9684, 10304, 10915, 10942.1  
**Viola adunca** var. **bellidifolia**, 4450  
**Viola canadensis**, 4450  
**Viola fimbriatula**, 4447  
**Viola papilionacea**, 4447, 4450  
**Viola palustris**, 4450  
**Viola rafinesquii**, 4447  
**Viola rotundifolia**, 4450  
**Viola tricolor** [pansy], 4447, 4949, 10648, 10651, 10915, 10942.1  
 violet [see *Viola* sp.] (Violaceae)  
 African [see *Saintpaulia* sp.] (Gesneriaceae)  
 viper's bugloss [see *Echium* sp.] (Boraginaceae)  
 Virginia chain fern [see *Woodwardia virginica*] (Polypodiaceae)  
 Virginia creeper [see *Parthenocissus quinquefolia*] (Vitaceae)  
**Vitis** sp. (Vitaceae) [grape], 854, 2531, 2712, 3648, 3740, 4176, 4624, 4629, 4700, 5159, 7196, 7197, 7648, 7686, 7757, 7825, 7851, 7859, 7859.1, 7861, 7864, 7865, 7866, 7870, 7871, 7873, 7885, 7894, 8137, 8140, 8731, 9272, 9299, 9301, 9309, 9314, 9638, 9666, 9669, 10368, 10397, 10518, 10663, 10805, 10915, 11068  
**Vitis labrusca** [fox grape], 2530, 4624, 8129, 9638  
**Vitis rotundifolia** [muscadine grape], 854, 2530, 2712, 4624, 8131  
**Vitis rufotomentosa** [wild grape], 5159, 9314, 9316, 9669  
**Vitis vinifera** [wine grape], 4624, 7851, 7859, 7859.1, 7861, 7864, 7871, 7873, 7885, 8318, 8731, 9299, 9301, 9638, 9666, 10368, 10397, 10518, 10663, 10805, 10915  
**Vitis vulpina** [winter grape], 8140, 9638  
 wahoo [see *Euonymus atropurpurea*] (Celastraceae)  
 walnut [see *Juglans* sp.] (Juglandaceae)  
     black [see *Juglans nigra*]  
     California [see *Juglans californica*]  
     English [see *Juglans regia*]  
     Japanese [see *Juglans ailanthifolia*]  
     little [see *Juglans microcarpa*]  
**Waltheria americana** (Sterculiaceae), 8560  
**Waltheria indica**, 5900.1  
 wand flower [see *Galax urceolata*] (Diapensiaceae)  
 wandering Jew [see *Zebrina pendula*] (Commelinaceae)  
 wapato [see *Sagittaria latifolia*] (Alismataceae)  
**Washingtonia filifera** (Palmae) [desert fan palm], 1422  
**Washingtonia robusta** [Mexican washington palm], 1422, 4079, 4700, 8556  
 water cress [see *Nasturtium officinale*] (Cruciferae)  
 water dragon [see *Saururus cernuus*] (Saururaceae)  
 water hyacinth [see *Eichhornia crassipes*] (Pontederiaceae)  
 water hyssop [see *Bacopa* sp.] (Scrophulariaceae)  
 water lettuce [see *Pistia stratiotes*] (Araceae)  
 waterlily [see *Nymphaea* sp.] (Nymphaeaceae)  
     fragrant [see *Nymphaea odorata*]  
     yellow [see *Nuphar luteum*] (Nymphaeaceae)  
 water lotus [see *Nelumbo* sp.] (Nelumbonaceae)  
     American [see *Nelumbo lutea*]  
 watermelon [see *Citrullus lanatus*] (Cucurbitaceae)  
 water parsnip [see *Sium suave*] (Umbelliferae)  
 water pennywort [see *Hydrocotyl* sp.] (Umbelliferae)  
 water primrose [see *Ludwigia octovalvis*] (Onagraceae)  
 water shield [see *Brasenia schreberi*] (Nymphaeaceae)  
 waterweed [see *Elodia* sp.] (Hydrocharitaceae)  
 water willow [see *Baccharis glutinosa*] (Compositae)  
 waterwillow [see *Decodon* sp.] (Lythraceae)  
 wax vine [see *Hoya* sp.] (Asclepiadaceae)  
**Wedelia** sp. (Compositae), 9699  
**Wedelia trilobata**, 5169, 5272, 5282, 9670, 9699  
**Weigela** sp. (Caprifoliaceae), 8140  
 wheat [see *Triticum* sp.] (Gramineae)  
     common [see *Triticum aestivum*]  
 white wood [see *Schoepfia chrysophylloidea*] (Olacaceae)  
 whortleberry [see *Vaccinium myrtillus*] (Ericaceae)  
 wild bamboo [see *Lasiacis divaricata*] (Gramineae)  
 wild coffee [see *Psychotria* sp.] (Rubiaceae)  
 wild dilly [see *Manilkara bahamensis*] (Sapotaceae)  
 wild rice [see *Zizania* sp.] (Gramineae)  
 wild rosemary [see *Ledum palustre*] (Ericaceae)  
 wild rye grass [see *Elymus virginicus*] (Gramineae)  
 wild sensitive plant [see *Cassia nictitans*] (Leguminosae)  
 wild strawberry [see *Muntingia* sp.] (Elaeocarpaceae)  
 wild tamarind [see *Lysiloma latisiliqua*] (Leguminosae)  
 willow [see *Salix* sp.] (Salicaceae)  
     arroyo [see *Salix lasiolepis*]  
     black [see *Salix nigra*]  
     brittle [see *Salix fragilis*]  
     coastal plain [see *Salix caroliniana*]  
     peached-leaved [see *Salix amygdaloides*]  
     prairie [see *Salix humilis*]  
     pussy [see *Salix discolor*]  
     primrose [see *Ludwigia peruviana*] (Onagraceae)  
     sandbar [see *Salix interior*]  
     scouler [see *Salix scoulerana*]  
     shining [see *Salix lucida*]  
     silky [see *Salix sericea*]  
     swamp [see *Salix caroliniana*]  
     water [see *Baccharis glutinosa*] (Compositae)  
     weeping [see *Salix babylonica*]  
     white [see *Salix alba*]  
     yellow [see *Salix alba* var. *vitellina*]  
 willow baccharis [see *Baccharis salicina*] (Compositae)  
 willow weed [see *Epilobium* sp.] (Onagraceae)  
 window plant [see *Monstera deliciosa*] (Araceae)  
 winged elm [see *Ulmus alata*] (Ulmaceae)  
 winged bean [see *Psophocarpus tetragonolobus*] (Leguminosae)  
 winterberry [see *Ilex verticillata*] (Aquifoliaceae)  
     smooth [see *Ilex laevigata*]  
 winter cress [see *Barbarea vulgaris*] (Cruciferae)  
 wintergreen [see *Chimaphila umbellata*] (Pyrolaceae)  
 wintersweet [see *Acokanthera oblongifolia*] (Apocynaceae)  
 wiregrass [see *Eleusine indica*] (Gramineae)  
**Wissadula holosericea** (Malvaceae) [velvetleaf], 11071  
 wistaria tree, scarlet [see *Sesbania grandiflora*] (Pedaliaceae)  
 wisteria [see *Wisteria* sp.] (Leguminosae)  
     Chinese [see *Wisteria sinensis*]  
**Wisteria** sp. (Leguminosae) [wisteria], 2549, 3497, 3886, 3952, 4700, 8131  
**Wisteria frutescens**, 3870, 3886, 3952, 3956, 7746, 7824,

- 8140, 8316  
**Wisteria hispida**, 9666  
**Wisteria sinensis** [Chinese wisteria], 457, 3870, 7746, 7767, 7824, 8010, 8140, 8316  
 witchgrass [see *Agropyron repens*] (Gramineae)  
 western [see *Agropyron smithii*]  
 witch hazel [see *Hamamelis* sp.] (Hamamelidaceae)  
 withe-rod [see *Viburnum cassinoides*] (Caprifoliaceae)  
 smooth [see *Viburnum nudum*]  
**Wodyetia bifurcata** (Palmae) [foxtail palm], 432.1  
 wolfberry [see *Symphoricarpos occidentalis*] (Caprifoliaceae)  
 wood (decaying), 8334, 8514  
 woodbine [see *Clematis virginiana*] (Ranunculaceae)  
**Woodwardia** sp. (Polypodiaceae) [chain fern], 9481  
**Woodwardia radicans** [European chain fern], 9630  
**Woodwardia virginica** [Virginia chain fern], 5272, 9481, 9630?  
 woolflower [see *Celosia* sp.] (Amaranthaceae)  
 wormwood [see *Artemisia* sp.] (Compositae)  
 beach [see *Artemisia stellerana*]  
 common [see *Artemisia absinthium*]  
 wormwood senna [see *Cassia artemisioides*] (Leguminosae)  
**Wyethia glabra** (Compositae), 4435
- Xanthium** sp. (Compositae), 3172, 4435, 4949, 8140, 8895, 9669, 11068  
**Xanthium pensylvanicum**, 2270  
**Xanthium pensylvanicum** var. **canadense**, 4435  
**Xanthium strumarium**, 2270, 5282, 9666, 9720, 10664, 10915, 11068  
**Xanthosoma** sp. (Araceae) [yautia], 9673.1, 10640  
*Ximenesia* sp. [see *Verbesina* sp.] (Compositae)  
**Ximenia americana** (Olacaceae), 2335  
*Xolisma* sp. [see *Lyonia* sp.] (Ericaceae)  
**Xyris torta** (Xyridaceae), 4578a
- yam [see *Dioscorea* sp.] (Dioscoreaceae)  
 yarrow [see *Achillea millefolium*] (Compositae)  
 yaupon [see *Ilex vomitoria*] (Aquifoliaceae)  
 yautia [see *Xanthosoma* sp.] (Araceae)  
 yerba santa [see *Eriodictyon* sp.] (Hydrophyllaceae)  
 yew [see *Taxus* sp.] (Taxaceae)  
**Youngia japonica** (Compositae), 9670  
 yucca [see *Yucca* sp.] (Agavaceae)  
 spineless [see *Yucca elephantipes*]  
**Yucca** sp. (Agavaceae) [yucca], 317, 432.1, 442, 1148, 4145, 5724, 7834  
**Yucca aloifolia** [Spanish bayonet], 198, 198.1, 198.2, 200, 4147, 9670  
**Yucca baileyi**, 198.2  
**Yucca constricta**, 198, 198.2  
**Yucca elephantipes** [spineless yucca], 432.1, 9666, 9669, 9670, 9671, 9672  
**Yucca filamentosa** [Adam's needle], 198, 198.1, 198.2, 4147  
**Yucca glauca**, 198, 198.2  
**Yucca gloriosa** [Spanish dagger], 4145, 4147  
**Yucca pallida**, 198  
**Yucca reverchoni**, 198  
**Yucca rupicola**, 198  
**Yucca smalliana** [bear grass], 198, 200, 4145, 4147, 4148
- Zamia** sp. (Zamiaceae), 4268a  
**Zamia fairchildiana**, 4268a  
**Zamia fischeri**, 4268a  
**Zamia loddigesii**, 4268a, 4269 (p. 62)  
**Zamia pumila** [coontie; Florida arrow root], 1160, 4268a, 8130, 8146  
**Zamia pygmaea**, 4268a  
**Zamia skinneri**, 4268a  
**Zamia vazquessii**, 4268a  
**Zantedeschia** sp. (Araceae) [calla lily], 428, 4115, 5126, 9669, 9670  
**Zantedeschia aethiopica** [garden calla], 8129, 8137  
**Zanthoxylum** sp. (Rutaceae) [prickly ash], 2292  
**Zanthoxylum americanum** [northern prickly ash], 2292, 4170, 4181, 8140  
**Zanthoxylum clava-herculis** [Hercules'-club], 4170, 4181, 8316  
**Zanthoxylum coriaceum** [Biscayne prickly ash], 4170  
**Zanthoxylum elephantiasus**, 4175a  
**Zanthoxylum fagara** [wild lime], 442, 4170, 4171a, 4172a  
**Zanthoxylum pentamone**, 4532  
**Zea** sp. (Gramineae) [corn], 1513  
**Zea mays** [corn; maize], 432.1, 457, 1512, 2260, 2366, 3695, 3998, 4004, 4111, 4123, 4336, 4435, 4700, 4846, 4947, 4949, 4975, 5288, 5289, 5381, 5454, 5475, 5476, 5896, 7132, 7716?, 7746, 7890, 8122, 8129, 8131, 8137, 8140, 8169, 8194, 8199, 8203, 8316, 8318, 8398, 8465, 8743, 8885, 8895, 9272, 9406, 9425, 9520, 9665, 9666, 9671, 9672, 10397, 10438, 10454, 10648, 10651, 10661, 10663, 10664, 10670, 10674, 10676, 10731, 10805, 10915, 10942.1, 11068  
**Zea mays** var. **everta**, 11068  
**Zea mexicana**, 4949, 9666  
 zebra plant [see *Calathea zebrina*] (Marantaceae)  
**Zebrina pendula** (Commelinaceae) [wandering Jew], 8884, 8890  
**Zephyranthes** sp. (Amaryllidaceae) [zephyr lily], 10640  
**Zephyranthes atamasco** [atamasco lily], 10640  
**Zephyranthes rosea**, 10640  
**Zephyranthes treatiae**, 10640  
 zinnia [see *Zinnia* sp.] (Compositae)  
 common [see *Zinnia elegans*]  
**Zinnia** sp. (Compositae) [zinnia], 4949, 7071, 9669, 9672, 11068  
**Zinnia elegans** [common zinnia], 9669  
**Zizania** sp. (Gramineae) [wild rice], 4064  
**Zizania aquatica**, 1469  
**Zizaniopsis miliacea** (Gramineae), 4004, 4064  
**Zizia aurea** (Umbelliferae) [golden alexanders], 7474  
**Ziziphus** sp. (Rhamnaceae) [jujube], 5723  
**Zoysia** sp. (Gramineae), 9666  
**Zoysia matrella** [Japanese carpet grass], 5433  
**Zschokkea** sp. (Apocynaceae), 7840

# INDEX TO SPECIES

The species index lists all species names in the Florida catalog by MONA catalog number, including the sections on strays and excluded species (the latter by page number also), comprising 7,837 specific names. Intraspecific names such as abberations (ab.), forms (f.), hybrids (hyb.), races (race), and varieties (var.), total 487 and are listed twice (once with the type abbreviation in front and once without the abbreviation), thus the total number of names listed herein is 8,327. Unnamed new species are noted at the end. All valid names are in boldface; synonyms are in italics. The authors of species names and the current generic placement are noted for each name, but the author names do not include parentheses, due to sorting requirements to produce this index (parentheses, indicating species names not in their original generic combination, can be verified by checking the main catalog).

- aaroni** Skinner, Poanes 4062  
 ab. *abbotii* W. H. Edwards, Eurytides 4184  
 ab. *abwashtee* C. Fox, Vanessa 4434  
 ab. *addenda* Dufrane, Papilio 4181  
 ab. *aereofuscus* Gunder, Autochton 3902  
 ab. *alb* Strecker, Asterocampa 4557a  
 ab. *albaclaudia* Field, Euptoieta 4447  
 ab. *albovariegata* Strand, Elaphria 9681  
 ab. *alternatella* Strand, Abagrotis 11029  
 ab. *americanus* Gunder, Danaus 4614  
 ab. *ate* Strecker, Vanessa 4435  
 ab. *ausonius* Lintner, Erynnis 3954  
 ab. *baal* Strecker, Speyeria 4450  
 ab. *berioi* Dufrane, Papilio 4181  
 ab. *broweri* Gunder, Eurytides 4184  
 ab. *brunnea* Tutt, Celastrina 4363  
 ab. *callae* Field, Eurema 4242  
 ab. *calverleyi* Grote, Papilio 4159a  
 ab. *carolinianus* Holland, Eurytides 4184  
 ab. *clarkii* Franck, Smerinthus 7821  
 ab. *comma* Schultz, Trichoplusia 8887  
 ab. *crombrugheella* Dufrane, Galleria 5622  
 ab. *dammersi* Gunder, Eurema 4242  
 ab. *dietzi* Gunder, Papilio 4176  
 ab. *duplipuncta* Strand, Amolita 9819  
 ab. *dyari* Gunder, Phyciodes 4481  
 ab. *edwardsi* Grinnell, Vanessa 4437a  
 ab. *ehrmanni* Ehrmann, Papilio 4159a  
 ab. *ehrmanni* F. Chermock, Colias 4209  
 ab. *flava* Strecker, Eurema 4242  
 ab. *flavidalis* Grote, Catocala 8770  
 ab. *flavus* Dufrane, Papilio 4181  
 ab. *fletcheri* Kemp, Papilio 4176  
 ab. *forsythae* Gunder, Papilio 4170  
 ab. *forsythae* Wood, Papilio 4159a  
 ab. *fumida* Scudder, Celastrina 4363  
 ab. *fumosa* Field, Euptoieta 4447  
 ab. *fumosa* Strecker, Colias 4210  
 ab. *fumosus* Hulst, Danaus 4614  
 ab. *fusca* L. Harris, Eurema 4243a  
 ab. *gerhardi* Gunder, Papilio 4176  
 ab. *gottschalki* A. H. Clark & L. Clark, Callophrys 4299  
 ab. *grandis* Ehrmann, Nymphalis 4432  
 ab. *greyi* Field, Chlosyne 4490  
 ab. *grisea* Barnes & McDunnough, Lagoa 4644  
 ab. *halli* Watson & W. P. Comstock, Limenitis 4523a  
 ab. *hippolita* Skinner, Nymphalis 4432  
 ab. *hollandi* Röber, Appias 4190a  
 ab. *hygiae* Heydenreich, Nymphalis 4432  
 ab. *immaculata* Benjamin, Exyra 8905.3  
 ab. *immaculata* Cockerell, Pieris 4197  
 ab. *immaculata* Skinner & Aaron, Pieris 4197  
 ab. *immaculata* Skinner, Thorybes 3910  
 ab. *immaculatus* R. C. Williams, Euphyes 4078a  
 ab. *immaculsecunda* Gunder, Zerene 4224  
 ab. *inaequalis* Tutt, Celastrina 4363  
 ab. *inornata* Bramson, Vanessa 4435  
 ab. *inornata* Wolcott, Asterocampa 4557a  
 ab. *integra* Lanktree, Thorybes 3910  
 ab. *intermedia* Cockerell, Colias 4210  
 ab. *inversata* Nakahara, Colias 4209  
 ab. *isatis* Debauche, Darapsa 7885  
 ab. *jacksoni* A. H. Clark, Vanessa 4435  
 ab. *lacteus* Gunder, Chlosyne 4490  
 ab. *laurae* F. Chermock, Colias 4210  
 ab. *leilae* A. H. Clark, Autochton 3902  
 ab. *linmeri* Fitch, Nymphalis 4432  
 ab. *luteitincta* Wolcott, Colias 4210  
 ab. *lutescens* B. P. Clark, Darapsa 7885  
 ab. *massachusettsensis* Gunder, Vanessa 4434  
 ab. *maxwelli* Franck, Papilio 4170  
 ab. *mediocanda* Eimer, Papilio 4159a  
 ab. *mediocauda* Eimer, Papilio 4159a  
 ab. *milburni* C. Rummel, Chlosyne 4490  
 ab. *minor* Cockerell, Vanessa 4435  
 ab. *minor* F. Chermock, Colias 4209  
 ab. *minor* Failla-Tedaldi, Vanessa 4435  
 ab. *nig* Strecker, Asterocampa 4562.1a  
 ab. *nig* Strecker, Limenitis 4523a  
 ab. *nigricans* Strecker, Limenitis 4523a  
 ab. *nigricosta* F. Chermock, Colias 4210  
 ab. *nigrofasciata* Reiff, Colias 4209  
 ab. *nigrofasciata* Reiff, Colias 4209  
 ab. *nigrosuffusa* Field, Eurytides 4184  
 ab. *nivosus* Gunder, Danaus 4614  
 ab. *novangliae* Scudder, Pieris 4197  
 ab. *nox* Gunder, Phyciodes 4480  
 ab. *obliteratus* Dufrane, Papilio 4181  
 ab. *obliteratus* Scudder, Epargyreus 3870  
 ab. *obscura* Cockerell, Nymphalis 4432  
 ab. *obsoleta* Ehrmann, Battus 4157  
 ab. *octoscripta* Buchholz, Callophrys 4318  
 ab. *oonana* Strand, Pseudoplusia 8890  
 ab. *ouana* Strand, Rachiplusia 8895  
 ab. *ouella* Strand, Rachiplusia 8895  
 ab. *packardii* Saunders, Phyciodes 4481  
 ab. *pallida* Field, Nathalis 4248  
 ab. *pallida* Hayward, Hylephila 4013  
 ab. *pigralis* Dognin, Omiodes 5212  
 ab. *plicaduta* Nakahara, Colias 4209  
 ab. *pricei* Field, Eurytides 4184  
 ab. *pseudora* Scudder, Celastrina 4363  
 ab. *pulchra* Strecker, Danaus 4614  
 ab. *querciperda* Packard, Prionoxystus 2693  
 ab. *quercus* Ehrmann, Prionoxystus 2693  
 ab. *radiatus* Strecker, Papilio 4181  
 ab. *reaghi* Reiff, Phyciodes 4481  
 ab. *reducta* Dufrane, Colias 4209  
 ab. *reticulatus* Lintner, Prionoxystus 2693  
 ab. *rhodopides* Strand, Mimophobeton 5237  
 ab. *rosa* Whittaker & D. Stallings, Junonia 4440  
 ab. *roseus* Gehlen, Cocytius 7773  
 ab. *rothkei* Reiff, Colias 4209  
 ab. *rubrosuffusa* Field, Junonia 4440  
 ab. *rudkini* Gunder, Colias 4210  
 ab. *rufa* Silva, Enyo 7851  
 ab. *schraderi* Gunder, Junonia 4440  
 ab. *semialba* Ehrmann, Papilio 4159a  
 ab. *simmsi* Gunder, Vanessa 4434  
 ab. *sinepunctis* Avinoff & Shoumatoff, Cymaenes 3996  
 ab. *skinneri* Gunder, Pyrgus 3966  
 ab. *smeythi* R. C. Williams, Epargyreus 3870  
 ab. *streckeri* Holland, Papilio 4159a  
 ab. *stygtiana* Schaus, Siproeta 4446a  
 ab. *subtusjuncta* Tutt, Celastrina 4363  
 ab. *suffusa* Cockerell, Colias 4209  
 ab. *suffusa* Dean, Fenisea 4249  
 ab. *regularis* Strand, Euxoa 10731  
 ab. *thorpei* Gunder, Phyciodes 4480  
 ab. *ticta* Warren, Scopula 7153  
 ab. *tukurine* Lichy, Agrius 7771  
 ab. *u-notata* Strand, Trichoplusia 8887  
 ab. *unicitrina* Gunder, Colias 4210  
 ab. *uniformis* Strand, Abagrotis 11029  
 ab. *venezuelensis* Strand, Megalographa 8907  
 ab. *virida* Strecker, Colias 4209  
 ab. *wasmuthi* Weeks, Battus 4157  
 ab. *weidenhameri* Polacek, Junonia 4440  
 ab. *wilhelmi* Gunder, Junonia 4440  
 ab. *wirti* Schaus, Manduca 7776  
 ab. *youngi* Field, Strymon 4336  
**abalienalis** Walker, Bomolocha 8445  
*abalinealis* Kimball, Bomolocha 8445  
**abarusalis** Walker, Cecharismena 8531  
*abbotana* Hübner, Phobetrion 4677  
*abboti* Holland, Oiketeticus 454  
**abbotii** Grote, Oiketeticus 454  
*abbotii* W. H. Edwards, Eurytides 4184 (ab.)  
*abbotti* F. M. Brown, Cercyonis 4587  
**abbottii** Swainson, Sphecodina 7870  
*abbreviata* Walker, Itame 6314  
*abbreviatana* Walsingham, Epiblema 3205  
*abbreviatella*.—Kimball, Catocala 8873  
*abbreviatella*.—Kimball, Catocala 8876  
**abdit** Hodges, Cosmopterix 1487  
**abdominalis** Grote, Pygarcia 8255  
*abdominaria* Barnes & McDunnough, Nemoria 7045  
*abeona* Druce, Autoplusia 8894  
**aberrans** Braun, Phyllonorycter 725  
*aberratella* Busck, Sceptea 1135  
*abietana* Fernald, Endothenia 2745  
*abietella*.—auct., Dioryctria 5841.1  
*abietivorella*.—Kimball, Dioryctria 5841.1  
**abjectarius** Hulst, Tornos 6487  
**abjurialis** Walker, Ophiuche 8456  
*ablignatella* Walker, Niditinea 411  
**abludius** Hodges, Eralea 1502  
*abludo* Hodges, Eralea 1502  
**ablunaris** Guenée, Achaea 8721.1  
*abornana* Busck, Lorita 3781  
**abortivaria** Herrich-Schäffer, Dyspteris 7648  
*abraxaria* Walker, Ectropis 6597 (f.)  
*abraxasella* Walker, Ethmia 994.1  
*abraxella* Meyrick, Ethmia 994.1  
*abronalis* Walker, Argyria 5463  
*abrostolella* Walker, Paectes 8959.1  
*abrostolella*.—auct., Paectes 8959  
**abrostoloides** Guenée, Paectes 8962  
*abrostoloides*.—Walker, Paectes 8959  
**abrupta** Grote, Raphia 9192  
*abruptana* Walsingham, Epiblema 3173  
**absconditella** Walker, Monochroa 1706  
**abseuzalis** Walker, Motya 8981  
**absomens** Walker, Metallata 8573  
*abwashtee* C. Fox, Vanessa 4434 (ab.)  
**abydata** Guenée, Semiothisa 6325.1  
*abzinialis* Walker, Ophiuche 8456  
**acapnopennella** Clemens, Nemapogon 261  
*accepta* H. Edwards, Spragueia 9131a  
*accessaria* Hübner, Erastria 6704  
*accessoriella* Frey & Boll, Pseudopostega 122  
**accius** J. E. Smith, Lerema 3998  
*acerata* Dyar, Xubida 5500  
*acericola* Guenée, Acronicta 9200  
*acericulum* Germadius, Synanthedon 2554  
*aceris*.—J. E. Smith, Acronicta 9200  
**acerni** Clemens, Synanthedon 2554  
**acerrubri** Engelhardt, Synanthedon 2546  
*achatina* Butler, Pyralis 5515  
**achatina** Zeller, Prionapteryx 5334  
**achemon** Drury, Eumorpha 7861  
**acheronta** Fabricius, Historis 4546 (p. 62)  
**achne** Hodges, Dichomeris 2289.1  
**achroalis** Hampson, Blepharomastix 5185  
*acidalaria* Walker, Glana 6450  
*acidaliata* Walker, Semiothisa 6325.1  
**acis** Drury, Strymon 4343  
*acmeptera* Sepp, Gonodonta 8540  
**acontoides** Guenée, Melipotis 8610  
*acontoides* Watson, Melipotis 8610  
*acraea* auct., Estigmene 8131  
**acrea** Drury, Estigmene 8131  
*acria* Fabricius, Estigmene 8131  
**acronialis** Walker, Pyrausta 5071  
**actuelle** Barnes & McDunnough, Thaumatoopsis 5448  
*aculeilellus* Walker, Crambus 5372

*aculiellus* Hampson, Crambus 5372  
*acuminata* Staudinger, Dichomeris 2284  
*acuphisalis* Walker, Pyrausta 5071  
*acuta* Walker, Mocis 8746  
*acutalis*.– Walker, Phyprosopus 8525  
*acutangula* Hampson, Paectes 8964  
*acutangulalis*.– auct., Pseudopyrausta 4939  
*acutaria* Herrich-Schäffer, Doryodes 8765  
*acutella* Walker, Nascia 4937  
*acutifrons* J. B. Smith, Euxoa 10805  
*adamantana* Guenée, Eucosma 3021  
*addenda* Dufrene, Papilio 4181 (ab.)  
*additalis* Walker, Herpetogramma 5274  
*adela* Lafontaine & Mikkola, Pyrrhia 11063  
*ademptanella* Dyar, Salebriaria 5771  
*aderusella*.– auct., Anacamptis 2230  
*adipaloides* Grote & Robinson, Diacme 5143  
*adjuncta* Walker, Metallata 8573  
*adjuta* Grote, Leucania 10456  
*adjutrix* Cramer, Athyrna 8583  
*admiralis* Retzius, Vanessa 4437  
*adoptiva* Grote, Catocala 8835  
*adornata* Prout, Scopula 7159  
*adrasata* Snellen, Semiothisa 6325.1  
*adriana* H. Edwards, Catocala 8857 (f.)  
*adspergillus* Bosc, Renia 8386  
*adulcia* Dyar, Diatraea 5481  
*aduncella* Zeller, Anacamptis 2230  
*adundula* R. Felder, Elaphria 9677  
*adustana* Krogerus, Endothenia 2738  
*adustipennis* Walsingham, Brachyacma 2272  
*aegialea* Plötz, Nyctelius 4123  
*aeglealis* Walker, Herpetogramma 5280  
*aegua* Hübner, Peridroma 10915  
*aeliaria* Walker, Besma 6885  
*aemula* H. Edwards, Synanthedon 2549  
*aemula* Hübner, Idia 8323  
*aemulalis* Hübner, Idia 8323  
*aemulata* Hulst, Scopula 7151  
*aemulataria* Walker, Macaria 6326  
*aenea* Frey & Boll, Tischeria 149  
*aenigmatella* Frey & Boll, Phyllonorycter 764  
*aequaliaria* Walker, Lambdina 6894a  
*aequalis* Walker, Dysodia 6080  
*aequepulvella* Chambers, Sceptea 1135  
*aequepulvella*.– auct., Glyphidocera 1137  
*aequiferaria* Walker, Macaria 6335  
*aerariella* Stainton, Argysthia 2449  
*aerata* Fabricius, Synchrona 7058  
*aerea* Hübner, Allagrapha 8898  
*aereofuscus* Gunder, Autochton 3902 (ab.)  
*aeria* Grote, Ozarba 9030  
*aeruginosa* Guenée, Zale 8694  
*aeruginosella* Walsingham, Adela 227  
*aesculana* Riley, Proteoteras 3230  
*aesculapius* Fabricius, Amblyscirtes 4099  
*aesionaria* Walker, Probole 6837  
*aestiva* W. H. Edwards, Phyciodes 4480 (f.)  
*aetheria* Grote, Hyperstrotia 9036  
*aethra* Strecker, Hemaris 7855  
*aetna* Scudder, Wallengrenia 4047  
*affinis* Goetze, Agrius 7771  
*affinis* Grote, Pareuchaetes 8227  
*affinis* Rothschild, Cocytius 7773  
*affinis* Rothschild, Empyreuma 8272  
*affinis* Schaufuss, Perigonia 7846 (var.)  
*affirmata* Guenée, Triphosa 7286  
*afflicta* Grote, Acronicta 9254  
*afflictana* Walker, Syndemis 3672  
*afflictella* Hulst, Nephopterix 5802  
*affusana* Zeller, Epiblema 3186  
*affusella* Ragonot, Ephestia 6021  
*agarista* Cramer, Ascalapha 8649  
*agarithe* Boisduval, Phoebe 4231  
*agathalis* Walker, Pyrausta 5069  
*agenoralis* Walker, Microthyris 5264  
*agilaria* Druce, Glymphis 8478  
*agillaria* Kimball, Glymphis 8478  
*agitellus* Clemens, Crambus 5362  
*aglaia* Hodges, Dichomeris 2302.4  
*agonia* Hodges, Dichomeris 2305  
*agrestis* Grote, Euxoa 10731 (var.)  
*agricola* Grote & Robinson, Caenurgina 8739  
*agrimoniella* Clemens, Anacamptis 2230  
*agripina* Reinel-H., Thysania 8648

*agrippina* Cramer, Thysania 8648  
*agrippina* Strecker, Catocala 8787  
*agrotina* Guenée, Elaphria 9677  
*agrotipennellus* Grote, Acrolophus 373  
*ahaton* Harris, Polites 4041  
*aholah* Strecker, Catocala 8873 (f.)  
*aidea* Guérin-Méneville, Anaea 4552 (p. 62)  
*ainslei* Kimball, Ostrinia 4947  
*ainsliei* Heinrich, Ostrinia 4947  
*ajax* Linnaeus, Eurytides 4184  
*ajax* Linnaeus, Papilio 4159a  
*ajax* Linnaeus, Papilio 4176  
*ajutrix* Plötz, Pyrgus 3968  
*aktita* W. E. Miller, Rhyacionia 2885  
*alabamae* Grote, Anicla 10911  
*alabamae* Grote, Catocala 8869  
*alabamae* H. A. Freeman, Megathymus 4145  
*alabamae* Lindsey, Euphyes 4073  
*alabastaria* auct., Scopula 7159  
*alacris* Walker, Metallata 8573  
*alayi* de la Torre C., Nathalis 4248 (f.)  
*alb* Strecker, Asterocampa 4557a (ab.)  
*alba* Chermock, Colias 4209 (f.)  
*alba* Röber, Colias 4209 (f.)  
*alba* Stauder, Lymantria 8318  
*alba* Strecker, Colias 4209 (f.)  
*alba* Strecker, Colias 4210 (f.)  
*alba* Strecker, Eurema 4237 (f.)  
*alba* W. G. Wright, Asterocampa 4557a  
*alba* Zeller, Tegeticula 198  
*albaciliaeella* Chambers, Menesta 1030  
*albaciliella* Braun, Menesta 1030  
*albaclaudia* Field, Euptoietia 4447 (ab.)  
*albalineella* Chambers, Eralea 1501  
*albalis* Robinson, Parapoynx 4761  
*albana* Fabricius, Argyria 5463  
*albanotella* Chambers, Acrocercops 689  
*alpapapella* Chambers, Eido 1068  
*alhapenella* Chambers, Holcocera 1157  
*alhapennella* McDunnough, Holcocera 1157  
*alhapulvella* Chambers, Eido 1068  
*albarithe* M. Brown, Phoebis 4231a (f.)  
*albata* Packard, Clemensia 8098  
*albescens* Cassino, Euacalia 7087  
*albescens* Plötz, Pyrgus 3967  
*albicans* Schneider, Lymantria 8318  
*albicans* Walker, Elousa 8644.1  
*albicans*.– auct., Artace 7683  
*albiceralis*.– Kimball, Loxostege 4994  
*albiciliella* Walsingham, Menesta 1030  
*albicinctata* Haworth, Orthonama 7414  
*albicoma* Hulst, Pennisetia 2513 (var.)  
*albicomana* Clemens, Croesia 3502  
*albicosta* Hübner, Symmerista 7951  
*albicostaria* Herrich-Schäffer, Synchrona 7059  
*albicostaria* Grossbeck, Arivaca 6066  
*albida* Avinoff, Nathalis 4248 (f.)  
*albida* Bouvier, Antheraea 7757  
*albida* Chermock, Colias 4209 (f.)  
*albida* Walker, Clemensia 8098  
*albidentina* Walker, Heliocheilus 11073  
*albidula* Hulst, Idaea 7122  
*albifascia* Draudt, Characoma 8974  
*albifasciella* Fernald, Kearfottia 434.1  
*albifrons* J. E. Smith, Symmerista 7951  
*albigenaria* Walker, Anacamptodes 6586  
*albiger* Guenée, Condica 9702  
*albigutta* Walker, Amyna 9070  
*albiguttalis* Warren, Niphograptia 5149  
*albilinea* Richards, Metalectra 8504  
*albilorella* Zeller, Filatima 2129  
*albina* Poey, Eurema 4243a (f.)  
*albina* Strecker, Bulia 8614 (var.)  
*albinatella* Chambers, Acrocercops 689  
*albinella*.– auct., Rupela 5310  
*albinella*.– auct., Rupela 5311  
*albinella*.– auct., Rupela 5312  
*albinic* Skinner, Colias 4209 (f.)  
*albinotella* Meyrick, Acrocercops 689  
*albiplaga* Walker, Heterocampa 7994  
*albipecta* J. B. Smith, Condica 9690  
*albipectilla* Schaus, Physala 8375.3  
*albisignalis* Zeller, Bomolocha 8443  
*albitrigella* Chambers, Untomia 2223  
*albitrigella* Möschler, Pyroderces 1514  
*albitacta* Walker, Anomis 8553

*albizziae* Clarke, Homodaula 2400.1  
*alboater* Haworth, Acontia 9136  
*alboacpitella* Chambers, Mompha 1448  
*alboacvella* Zeller, Crambus 5362  
*alboacostaliata* Packard, Oriza 9025  
*alboacostella* Hulst, Atascosa 6067  
*alboacvella* Fabricius, Emmelina 6234  
*albofasciata* Bethune, Zale 8697  
*albofasciata* Sageder, Hyalophora 7767  
*albofasciata* Schneider, Lymantria 8318  
*albofasciata* Zeller, Olethreutes 2823  
*albogaleriella* Clemens, Pseudopostega 121  
*albogalleriella* Forbes, Pseudopostega 121  
*albolineana* Kearfott, Endothenia 2745  
*albolineata* Grote & Robinson, Glaphyria 4869  
*albomacula* Butler, Catocala 8801  
*albomaculata* Cramer, Alypia 9314  
*albomarginata* Cassino, Catocala 8794 (f.)  
*albopunctata* Morrison, Caripeta 6863  
*albopunctata* Tepper, Hypena 8461 (f.)  
*albopunctella* Walker, Cutina 8728  
*albosigma* Fitch, Clostera 7895  
*albosignata* Packard, Disclosiproceta 7417  
*albosquamulata* Strand, Zale 8695  
*albosuffusa* H. A. Freeman, Thyrobes 3910 (f.)  
*albovariegata* Strand, Elaphria 9681 (ab.)  
*albovenosa* Walsingham, Plutella 2366  
*albovittata* Grote, Pyrgus 3966  
*albovittella* Dyar, Caudellia 6012  
*albula* Walker, Spodoptera 9673  
*albulella* Walker, Antaeotricha 1024  
*albunea* Dalman, Appias 4190  
*albusta* Sepp, Ascia 4198  
*alcidamas* Cramer, Papilio 4176  
*alcionea* Cramer, Dryas 4416  
*alessandra* J. B. Smith, Acontia 9143  
*alfarata* Strecker, Cucullia 10192  
*algidella* Walker, Antaeotricha 1014  
*alia*.– auct., Orthosia 10495  
*alicia* W. H. Edwards, Asterocampa 4557a  
*alienaria* Herrich-Schäffer, Probole 6837  
*alisellana* Robinson, Argyrotaenia 3624  
*alitatis* Hulst, Glyphodes 5198  
*allesiaria* Walker, Tetraxis 6963  
*alleri* Engelhardt, Synanthedon 2557  
*alleriella* Busck, Aroga 2183  
*allionealis* Walker, Parapoynx 4764  
*alutana* Zeller, Episimus 2701  
*alnella* McDunnough, Acrobasis 5690  
*alope* Drury, Erinnyis 7832  
*alope* Fabricius, Cercyonis 4587  
*alpina* B. P. Clark, Laothoe 7827  
*alternans* Walker, Egira 10517  
*alternata* Chambers, Cameraria 823  
*alternata* Covell, Egira 10517  
*alternata* Grote & Robinson, Amblyscirtes 4108  
*alternata* Grote, Abagrotis 11029  
*alternata* Walker, Orthonama 7414  
*alternatella* Strand, Abagrotis 11029 (ab.)  
*alternatella* Zeller, Cameraria 823  
*altheana* Mann, Crocidosema 3274  
*alucitalis* Guenée, Lascoria 8395  
*aluearia* Fabricius, Achroia 5623  
*alunatus* Skinner & Aaron, Papilio 4159a (f.)  
*alurina* J. B. Smith, Orthosia 10491  
*alutalis* Grote, Renia 8379  
*aluticolar* Pogue & Ferguson, Cutina 8729.1  
*alvea* Haworth, Achroia 5623  
*alvearia* auct., Achroia 5623  
*alveariella* Guenée, Achroia 5623  
*amabilis* Möschler, Dichogama 4791  
*amadis* Herrich-Schäffer, Polites 4040  
*amarella* Dyar, Ephestia 6021  
*amaryllidis* Sepp, Xanthopastis 10640  
*amasia* J. E. Smith, Catocala 8873  
*amatana* Dyar, Argyrotaenia 3606  
*amatella* Hulst, Dioryctria 5853  
*amatix* Hübner, Catocala 8834  
*amaturaria* Walker, Timandra 7147  
*ambigualis* Walker, Lascoria 8393  
*ambigualis* Tietz, Lascoria 8393  
*amblygona* Zeller, Ancylis 3374  
*amblyptepennis* Dyar, Donacula 5320  
*ambrosiae* Murtfeldt, Adaina 6160  
*ambrosiaella* Chambers, Tischeria 160  
*ambrosiana* Kearfott, Endopiza 2723

- ambrosiella* Walsingham, *Tischeria* 160  
*ambrosioedes* Franclemont & Todd, *Peridroma* 10915  
*ambrosioides* Walker, *Peridroma* 10915  
**amella** Guenée, *Metria* 8666  
**americanis** Guenée, *Idia* 8322  
**americana** Guérin-Ménéville, *Harrisina* 4624  
**americana** Harris, *Acronicta* 9200  
**americana** Harris, *Lycæna* 4251a (p. 62)  
**americana** Herrich-Schäffer, *Oreta* 6255  
**americana**—Kimball, *Phylloidesma* 7686  
**americanum** Fabricius, *Malacosoma* 7701  
**americanus** Gunder, *Danaus* 4614 (ab.)  
**americella** Walsingham, *Idioglossa* 1072  
**amestrus** Strecker, *Catocala* 8844  
**amethystaria** Strecker, *Metarranthus* 6828  
**amica** Hübner, *Catocala* 8878  
**amicaria** Herrich-Schäffer, *Probole* 6837  
*amiculatalis*—auct., *Pyrastus* 5040  
**amisella** Kimball, *Agonopterix* 890  
**amissella** Busck, *Agonopterix* 890  
**amisus** Hewitson, *Urbanus* 3889  
**ammon** Lucas, *Cyclargus*, 4358.1  
**ammon**—auct., *Cyclargus* 4358  
**ammonanthus** Meyrick, *Dichomeris* 2284  
**amoena** H. Edwards, *Melitita* 2536  
**amoenaria** Guenée, *Euchlaena* 6733  
**amorata** Packard, *Callizzia* 7650  
**amosis** Stoll, *Papilio* 4175  
*ampelophaga* Walker, *Eumorphia* 7859  
*amphicarpeoæna* Chambers, *Brenthia* 2627  
**amphichloe** Boisduval, *Hamadryas* 4542.1  
*amphidona* W. H. Edwards, *Colias* 4210  
*amphidusa* Boisduval, *Colias* 4210  
**amphipyroides** Guenée, *Latebraria* 8646  
*amphissa* Plötz, *Atalopedes* 4049  
*ampla* Dietz, *Pigritia* 1232  
*amplaria* Walker, *Epimecis* 6599  
**amplexella** Ragonot, *Acrobasis* 5654  
*ampliata* Ménétériés, *Papilio* 4159a  
*amplissima* Walker, *Paralelia* 8727  
*amygdalina* Harvey, *Leucania* 10440  
*amygia* Guenée, *Spodoptera* 9672  
**amymone** Ménétériés, *Mestra* 4537 (p. 62)  
*amyntas* Fabricius, *Polygonus* 3872  
**amyntor** Geyer, *Ceratonia* 7786  
*amyridella* Meyrick, *Agonopterix* 898  
*amyridella* Meyrick, *Eucatagma* 2402  
**amyriseella** Busck, *Agonopterix* 898  
**amyriseella** Busck, *Eucatagma* 2402  
**anaranjada** Miller, *Cydia* 3488  
*anastomois*—J. E. Smith, *Clostera* 7896  
**anatomella** Grote, *Scardia* 311  
*ancara* Druce, *Ophiuche* 8459  
**ancetaria** Hübner, *Pero* 6754  
*ancylosema* Dognin, *Spoladea* 5170  
*andalusiaca* Reinig, *Lymantria* 8318  
*andeogeos* Kirby, *Papilio* 4175  
**andraemon** Hübner, *Papilio* 4172  
**andremona** Cramer, *Hypocala* 8642  
**andria** Scudder, *Anaea* 4554  
*andriaesta* Johnson & W. P. Comstock, *Anaea* 4554 (f.)  
*androcardia* Hübner, *Enodia* 4568  
**androgea** Stoll, *Spodoptera* 9673.1  
**androgeus** Cramer, *Papilio* 4175  
*andromacha* Hübner, *Enodia* 4568  
**andromedæa** Guenée, *Catocala* 8849  
**andromedana** Barnes & McDunnough, *Olethreutes* 2847.1  
*andromediana* Grossbeck, *Olethreutes* 2847.1  
*androphila* Guenée, *Catocala* 8878  
*anfugella* Dietz, *Pigritia* 1232  
**angelia** Hewitson, *Electrostrymon* 4352  
*angelica*—Kimball, *Olceclostera* 7666  
**anguina** J. E. Smith, *Dasylophia* 7957  
**anguinella** Clemens, *Ectoedemia* 45  
**angulalis** Hübner, *Palthis* 8397  
*angulatana*—Kimball, *Aethes* 3759.8  
*angulifera* Schultz, *Lymantria* 8318  
*angulifera* Walker, *Callosamia* 7765  
*angulifera* Wallengren, *Peridroma* 10915  
**angulosa** J. E. Smith, *Peridea* 7920  
*angusi* auct., *Datana* 7903  
**angusii** Grote & Robinson, *Datana* 7903  
*angusta* Haworth, *Ephestia* 6021  
**angustana** Clemens, *Aethes* 3808  
*angustata* Haworth, *Orthonama* 7414  
**angustilinea** Dyar, *Monoleuca* 4692  
*angustiorata* Grote, *Tathorhynchus* 8466  
*angustipennella* Dietz, *Pigritia* 1232  
*angustipennellus* Beutenmüller, *Acrolophus* 372  
*angustipennis* Möschler, *Magusa* 9637  
**anilis** Drury, *Argyrostromis* 8764  
*animalis* Guenée, *Spoladea* 5170  
**anisocentra** Meyrick, *Homadula* 2400.1  
**anisodactyla** Walker, *Sphenarches* 6090.1  
*anita* Reiff, *Malacosoma* 7698  
**anna** Dyar, *Givira* 2668  
**anna** Grote, *Catocala* 8844  
**annetteana** Kearfott, *Phaneta* 2919  
*annettearia* Haimbach, *Haematopsis* 7146 (f.)  
*annettella* Engelhardt, *Alcathoe* 2623 (race)  
*annexa* Treitschke, *Agrotis* 10664  
*annickæ* dos Passos & Klots, *Anthocharis* 4207  
*annulatelus* Wood, *Plutella* 2366  
*annulifera* Walker, *Mouralia* 8884  
*annuligera* Meyrick, *Bedellia* 466  
**annulosella** Ragonot, *Salebriaria* 5774  
*annulosus* Swainson, *Aellopos* 7850  
**anóa** Dyar, *Bellura* 9525a  
*anomalaria* Möschler, *Phrudocentra* 7051  
**anonaria** R. Felder, *Epimecis* 6602  
*anormalis* Barnes & McDunnough, *Prosoparia* 8419  
**anormalis** Guenée, *Microthyris* 5263  
*anser* Druce, *Carteris* 8391  
**antæus** Drury, *Cocytius* 7772  
*antaurata* Walker, *Macaria* 6336  
*antaxia* Meyrick, *Epiblema* 3172  
**antennata** Walker, *Lithophane* 9910  
*anteposita* Guenée, *Agrotis* 10664  
*anthoecioides* Grote & Robinson, *Tosale* 5556  
*anthracellus* Ragonot, *Elasmopalpis* 5896  
**anthracipennis** Boisduval, *Carmenta* 2592  
*anthyale* Hübner, *Colias* 4209 (f.)  
**antibubastus** Hübner, *Hemiargus* 4359a  
*antica* Walker, *Cycnia* 8230  
*anticalis* Walker, *Etiella* 5744  
*anticaria* Walker, *Aethalura* 6570  
*anticaria* Walker, *Scopula* 7169  
*anticella* Walker, *Achroia* 5623  
*anticella* Whalley, *Etiella* 5744  
**anticostalis** Grote, *Eulepte* 5195  
*anticostiensis* Grote, *Euthyatira* 6240  
**antidiscaria** Walker, *Stenaspilatodes* 6746  
*antilleana* Prout, *Oxydia* 6967a  
*antillia* Forbes, *Cosmopterix* 1474  
*antillium* Dyar, *Xanthopastis* 10640  
*antilocus* Linnaeus, *Papilio* 4176  
**antiopa** Linnaeus, *Nymphalis* 4432  
**antipathetica** Forbes, *Xystrologa* 426.1  
*antiphola* Walsh, *Halysidota* 8203  
*antipholella* Strand, *Halysidota* 8203  
*apameoides* Guenée, *Condica* 9699  
*apameoides*—auct., *Condica* 9693  
*apertalis* Walker, *Helvibotys* 4980  
*aphroditella* Chambers, *Strobisia* 2253  
**apicalis** Grote & Robinson, *Schizura* 8009  
*apicalis* Grote, *Richia* 10869  
*apicalis* Guenée, *Dysgonia* 8725 (f.)  
**apicalis** Herrich-Schäffer, *Agrotis* 10662  
**apicalis** Herrich-Schäffer, *Spragueia* 9131  
*apicalis* J. B. Smith, *Gabara* 8523a  
**apicella** Grote, *Spragueia* 9131a  
*apicilineella* Clemens, *Battaristis* 2227  
**apicimaculella** Chambers, *Argyresthia* 2438  
**apicimaculella** Chambers, *Tinea* 392  
**apicina** Herrich-Schäffer, *Orodesma* 8644  
*apicipicta* Strand, *Cisthene* 8068  
*apicisignatella* Dietz, *Nemopogon* 275  
*apicistrigella* Chambers, *Battaristis* 2227  
**apicosa** Haworth, *Homophoberia* 9057  
**aplastella** Hulst, *Pococera* 5605  
**aplicalis** Guenée, *Hileithia* 5188  
*apostologica* Strand, *Atrytonopsis* 4084b  
**appalachia** R. L. Chermock, *Satyrodes* 4569  
**apparitaria** Walker, *Scopula* 7153  
*appassionata* auct., *Papaipema* 9493  
**appassionata** Harvey, *Papaipema* 9493  
*approbata* Warren, *Scopula* 7153  
**approximaria** Hübner, *Cymatophora* 6745  
*approximaria* Packard, *Exelis* 6478  
*approximaria* Packard, *Nemoria* 7048  
*approximata* Strecker, *Schinia* 11112  
*approximata* Stretch, *Grammia* 8196 (f.)  
**approximatella** Dietz, *Scardiella* 308  
**approximella** Walker, *Peoria* 6053  
**aprica** Hübner, *Acontia* 9136  
*apricana* Strand, *Acontia* 9136  
*apricanoides* Strand, *Acontia* 9136  
*apricans* Boisduval, *Hyblaea* 6088  
*apricella* Strand, *Acontia* 9136  
*apta* Walker, *Eudocima* 8543  
*aptalis* Lederer, *Paraponyx* 4764  
**apyrella** Dyar, *Caudellia* 6012  
*aquatis* Shibuya, *Maruca* 5157.1  
*aquella* Denis & Schiffermüller, *Ephestia* 6021  
**aquila** Hodges, *Ithome* 1642  
*aquila* Meyrick, *Leioptilus* 6210  
**aquilella** Clemens, *Donacula* 5317  
*aquilis* Guérin-Ménéville, *Maruca* 5157.1  
*aquosus* Grote & Robinson, *Patalene* 6974b  
*ar* Strecker, *Schinia* 11112  
*aracanthusalis* Walker, *Palthis* 8397  
**araealis** Hampson, *Bleptina* 8370.1  
*arbuaria* Walker, *Eusarca* 6933  
**arcanela** Clemens, *Acrolophus* 340  
*archasialis* Walker, *Blepharomastix* 5182  
**archippus** Cramer, *Limnitis* 4523  
*archippus* Fabricius, *Danaus* 4614  
*arcifera* Guenée, *Schinia* 11128  
**arcigera** Guenée, *Paectes* 8967  
**arcigera** Guenée, *Schinia* 11128  
**arctella** Ragonot, *Anegcephalesis* 5740  
*arctella* Walker, *Sitotroga* 2260  
**arcuata** Pogue & Ferguson, *Cutina* 8729.2  
*arcuata* Walker, *Phosphila* 9618  
**ardelia** Hodges, *Dichomeris* 2283.3  
*areataria* Broadwell, *Cleora* 6594  
*arecibo* Comstock & Huntington, *Strymon* 4345  
*arefacta* H. Edwards, *Schinia* 11178  
*arefactaria* Grote & Robinson, *Euchlaena* 6733  
*arenosa* Walker, *Epidromia* 8585.3  
**areolata** J. E. Smith, *Neonympha* 4576  
*ares* C. Felder, *Nyctelius* 4123  
**aretaria** Walker, *Caripeta* 6869  
**argante** Fabricius, *Phoebis* 4230 (p. 62)  
*argante*—auct., *Phoebis* 4231  
**arge** Drury, *Grammia* 8199  
*argentana* Fernald, *Argyria* 5460  
*argentata* Druce, *Euscirrhopterus* 9308.1  
**argentata** Drury, *Phrygonis* 6671  
*argentata* Emmons, *Urola* 5464  
*argentata* Fletcher, *Celastrina* 4363  
*argentata* Wetherby, *Euclea* 4697  
*argenteola* Matsumura, *Epargyreus* 3870  
**argenticinctella** Clemens, *Callima* 1046  
*argenticus* Hampson, *Crambus* 5369  
**argentifasciata** Heppner, *Choristoneura* 3635.1  
**argentilimitana** Robinson, *Aethes* 3809  
*argentilinea* Walker, *Callopietia* 9632  
*argentilineella* Kimball, *Eupora* 461  
**argentiniella** Busck, *Eupora* 461  
*argentinimacula* Barnes & McDunnough, *Prolimacodes* 4671  
**argentina** Dyar, *Fundella* 5726  
*argentina* Daniel, *Manduca* 7782  
**argentinotella** Chambers, *Homosetia* 284  
*argentipunctalis* Amsel, *Dicymolomia* 4890  
*argentistriata* Strecker, *Phrygonis* 6671  
*argentosus* Hayward, *Epargyreus* 3870  
**argillacea** Hübner, *Alabama* 8554  
**argillacea** Walsingham, *Agonopterix* 889  
**argillaceella** Packard, *Raphiptera* 5393  
*argillaceus* Hampson, *Raphiptera* 5393  
*argina* Plötz, *Amblyscirtes* 4096  
*argiolus*—auct., *Celastrina* 4363  
*argos* Druce, *Melipotis* 8603  
*argus* Neumoege & Dyar, *Automeris* 7746  
**argutanus** Clemens, *Episimus* 2701  
**argutipunctana** A. Blanchard & Knudson, *Phaneta* 3005.1  
**argyralis** Hübner, *Diastictis* 5253  
*argyreella* Adamski & Brown, *Pigritia* 1232  
*argyreella* Dietz, *Pigritia* 1232  
**argyrospila** Walker, *Archips* 3648

- argyrosplendella** Dietz, Calosima 1168  
**argyrothamniella** Busck, Anacamptis 2231  
*ariadne* Barnes & McDunnough, Hemaris 7855  
*ariadne* W. H. Edwards, Colias 4210  
*aricye* Cramer, Phoebis 4229  
**arioch** Strecker, Aconitina 9271  
**aristodemus** Esper, Papilio 4171  
**aristoteliella** Kaila, Elachista 1118.2  
*arizonensis* Skinner, Polygonus 3872 (f.)  
**arkansasensis** Duckworth & Eichlin, Synanthedon 2575  
*armigera*.– auct., *Helicoverpa* 11068  
*arna* Guenée, Elaphria 9679  
**arogos** Boisduval & Leconte, Atrytone 4050  
**arpa** Boisduval & Leconte, Euphyes 4070  
*arrogaria* Hulst, Plagodis 6843 (f.)  
*arrosa* Harvey, Lesmone 8651  
**arsa** Hodges, Periploca 1561  
**arsace** Boisduval & Leconte, Callophrys 4325a  
*arsaces* Mabille, Epargyreus 3869  
**arthemis** Drury, Limenitis 4522  
*asella* Herrich-Schäffer, Amblyscirtes 4105  
*asiatica* Wnukowsky, Lymantria 8318  
*asiliformis*.– Denis & Schiffermüller, Paranthrene 2524  
**asilipennis** Guérin-Méneville, Paranthrene 2522  
**asopialis** Guenée, Palthis 8398  
**asperatella** Clemens, Pococera 5606  
*assecoma* Druce, Almodes 6260  
*assimilis* Boisduval, Eudryas 9301  
*associans* Walker, Euagrotis 10901  
*associaria* Barnes & McDunnough, Nemoria 7033  
*associata* Walker, Lochmaeus 7999  
**astarte** Doubleday, Heterocampa 7977  
*asterias* Fabricius, Papilio 4159  
*asterioides* Reakirt, Papilio 4159a  
*asterioides*.– Eimer, Papilio 4159  
**asterius** Stoll, Papilio 4159a  
*asteroides* Guenée, Cucullia 10200  
**asthenaria** Walker, Pleuroprucha 7133  
*astinuous* Drury, Battus 4157  
*astriata* Reiff, Malacosoma 7698  
**astyanax** Fabricius, Limenitis 4522a  
*astyanax*.– Scudder, Papilio 4159a  
*astyla* Möschler, Antiblemma 8577  
**astylus** Drury, Paonius 7826  
**astylusaria** Walker, Euchlaena 6733a  
*astynome* Olivier, Anisota 7723  
**atala** Poey, Eumaeus 4268  
**atalanta** Linnaeus, Vanessa 4437  
*atarah* Strecker, Catocala 8876 (f.)  
*ate* Strecker, Vanessa 4435 (ab.)  
*aterrima* Bönninghausen, Pachylia 7841 (var.)  
**athasaria** Walker, Lambdina 6894a  
*athereo* Doubleday, Heterocampa 7990  
*atlanta* Tietz, Vanessa 4437  
*atlantis* Nakahara, Limenitis 4522a (f.)  
*atletes* C. Felder & R. Felder, Urbanus 3889  
*atlitais* Munroe, Glyphodes 5198  
**atocala** Brou, Catocala 8787.1  
*atomaria* Walker, Ogdoconta 9720  
*atomaria* Warren, Scopula 7153  
**atomaris** Hübner, Phoberia 8591  
**atomosella** Walker, Praeacesdes 423  
*atra* Heinrich, Lymantria 8318  
*atralis* Fabricius, Anania 4958  
**atramentalis** Lederer, Tallula 5590  
**atratella** A. Blanchard & Knudson, Salebriaria 5777.1  
*atrescens* Hulst, Nacophora 6763 (f.)  
*atriciliata* Grote, Condia 9690  
**atricolorata** Grote & Robinson, Eclipoptera 7214  
*atricolorata* McDunnough, Pero 6762  
**atريفascialis** Hulst, Tallula 5591  
**atريفasciella** Barnes & McDunnough, Varneria 6030  
*atريفlua* Meyrick, Nemapogon 272  
**atريفlineella** Grote, Zanclognatha 8346  
*atريفmacula* J. B. Smith, Renia 8384.1 (f.)  
*atrior* Franclemont, Aconitina 9241 (f.)  
**atripennis** Grote, Dahana 8266  
*atريفsquimalis* Dognin, Pyrausta 5018  
*atريفtes* Grote, Schinia 11110 (var.)  
**atريفvenosa** Palm, Dasychira 8299  
*atريفcolorata* auct., Eclipoptera 7214  
*atريفcolorata* Hulst, Pero 6762 (var.)
- atريفdentana** Fernald, Olethreutes 2785  
*atريفfusca* J. B. Smith, Euxoa 10805  
*atريفlinearia* Hulst, Cleora 6594  
*atريفpicta* Zeller, Inga 1034  
**atريفpunctata** Packard, Tacparia 6806  
*atريفpurpurea* Grote, Euxoa 10805  
**attalus** W. H. Edwards, Hesperia 4029  
**attenuatella** Walker, Cosmopterix 1474  
*atymnusalis* Walker, Bleptina 8375  
*auburniana* Harris, Callophrys 4318  
*aucillaria* Strecker, Digrammia 6358  
*aufugella* Zeller, Pigritia 1232  
*auge*.– auct., Cosmosema 8280  
**augmentanus** Zeller, Episimus 2702  
*augmentus* Kimball, Episimus 2702  
*augustana* Powell, Aethes 3808  
*augustus* Plötz, Atalopedes 4049  
**augustus** W. Kirby, Callophrys 4322 (p. 62)  
*aulicalis* Möschler, Diacme 5144  
**aurantiaca** Hübner, Holomelina 8121  
*aurantiaca* Igel, Callosamia 7765  
*aurantiaca* Reiff, Catocala 8878  
*aurantiaca*.– Godman, Copaeodes 4010  
**aurantiagio** Guenée, Rhodoclea 11065  
*auranticella*.– auct., Dioryctria 5847  
*aurantis* Engelhardt, Carmenta 2608 (var.)  
*auratilis* Walker, Parachma 5538  
**auratella** Clemens, Vaxi 5465  
*aurea* Fitch, Atteva 2401  
*aurea* Pagenstecher, Dysodia 6078  
*aureocapicella* Möschler, Ethmia 994.1  
**aureocincta** Purrington & Nielsen, Podosesia 2588  
*aureopurpura* H. Edwards, Carmenta 2596  
*aureopurpurea* J. B. Smith, Carmenta 2596  
*aureorufus* Hampson, Crambus 5372  
*aurera* Stretch, Atteva 2401  
*auricayanea*.– auct., Dyseriocrania 3  
*aurichalceana* Riley, Cydia 3494  
**auricinctaria** Grote, Melanomma 8412  
*auricrinella* Fracker, Dyseriocrania 3  
**auriferaria** Hulst, Palyas 6670  
*auriferella* Frey & Boll, Caloptilia 594  
*aurifimbrialis* Walker, Agriphila 5403  
**auriga** Barnes & Lindsey, Stenoptilodes 6127  
*auripennis* Grote, Panopoda 8587  
*auripulvella* Dietz, Nemapogon 263  
*auristrigella* Chambers, Isocorypha 299  
**aurivitta** Grote & Robinson, Cydosis 8999  
**auropulvella** Chambers, Nemapogon 263  
*auropurpurella* McDunnough, Coleophora 1387  
*auropurpuriella* Chambers, Coleophora 1387  
**aurora** J. E. Smith, Hyparpax 8022  
**aurola** Ely, Acrobasis 5670  
*aurosuffusella* Chambers, Hybroma 300  
*ausonius* Lintner, Erynnis 3954 (ab.)  
*austini* Englehardt, Synanthedon 2552  
*australata* Hulst, Pterocorypha 7299  
**australella** Hulst, Zamagiria 5737  
**australis** Grote, Baileya 8973  
*australis* Hulst, Apogeshna 5177  
*australis* Hulst, Ideia 7112  
*australis* Mabille, Erynnis 3957  
*australis* Maynard, Papilio 4176  
**australis** Schweitzer, Metaxaglaea 9945.1  
*australis* Stretch, Harrisina 4624  
*australisella* Chambers, Triclonella 1527  
*austrinia* R. Felder & Rogenhofer, Galleria 5622  
*autoconis* Meyrick, Bedellia 466  
*autumnalis* Cockerell, Colias 4209 (f.)  
*autumnalis* Cockerell, Colias 4210 (f.)  
*autumnalis* Riley, Spodoptera 9666  
*autumnalis*.– auct., Alcathe 2622  
*autumnata* Packard, Alsophila 6258  
**auxiliaris** Grote, Euxoa 10731  
*axillaris* Grote & Robinson, Hemaris 7855  
*axis* Guenée, Amyna 9070  
*azaleae* Busck, Caloptilia 592  
*azaleae* J. E. Smith, Darapsa 7886  
**azaleella** Brants, Caloptilia 592  
**azia** Hewitson, Ministrymon 4293  
*azonalis* Walker, Marasmia 5289  
*b-ata* Goetze, Grammia 8194  
*baal* Strecker, Speyeria 4450 (ab.)  
**bacata** Hodges, Cosmopterix 1491  
*baccata* Guenée, Orthonama 7414  
**baccatalis** Hulst, Samea 5152
- baccharadis* Kimball, Prionoxystus 2692  
*baccharidis* Clarke, Prionoxystus 2692  
**baccharivora** Pogue, Lorita 3781.1  
**bachmanii** Kirtland, Libytheana 4410a  
**badia** Grote & Robinson, Catocala 8777 (p. 62)  
**badia** Hodges, Pyroderces 1513  
**badia** Packard, Schizura 8006  
*badiaria* H. Edwards, Coryphista 7290 (f.)  
**badinodis** Grote, Xestia 10955  
*badipennis* Grote, Fumibotys 4950  
**badistriga** Grote, Homohadena 10059  
**badius** Hübner, Prolimacodes 4671  
**badiusalis** Walker, Parapoynx 4761  
*baeis* Scudder, Euphyes 4078a  
**baggettaria** Ferguson, Nematocampa 7010  
*bahamensis* B. P. Clark, Perigonia 7846  
**bahamensis** Hampson, Litoprosopus 8557  
**balanotes** Meyrick, Leioptilus 6210  
*baliola* Morrison, Iodopepla 9522  
*balistaria* Guenée, Lobocleta 7097  
*balistraria* auct., Lobocleta 7097  
**balluca** Geyer, Diachrysa 8897  
*balteata* Kirtland, Aellopos 7850  
*balteata* Scudder, Callophrys 4325 (f.)  
*balteolata* Herrich-Schäffer, Disclisioprocta 7417  
**baltimoralis** Guenée, Bomolocha 8442  
**baptisiae** Forbes, Erynnis 3959  
**baptisiella** Fernald, Pococera 5619  
**baracoa** Lucas, Polites 4040  
*barberi* Dyar, Emmelina 6234  
*barberiana* Dyar, Fulgoraeca 4701  
*barbouri* Clench, Brephidium 4354  
*barnesi* Cassino & Swett, Pero 6754  
*barnesi* Dyar, Acrolophus 383  
*barnesi* French, Catocala 8787  
*barnesii* Beutenmüller, Synanthedon 2583 (var.)  
*bartolemica* Wallengren, Anicla 10911  
**bartrami** W. P. Comstock & Huntington, Strymon 4343a  
*baryspus* Dyar, Heterocampa 7982  
*barysticta* Meyrick, Pheroeoca 390  
**barythyma** Meyrick, Glyphidocera 1136  
**basalis** Walker, Inguromorpha 2659  
**basalis** Walker, Marathyssa 8956  
**basalis** Walker, Scoparia 4719  
*basibrunnea* Warren, Characoma 8974  
**basidactyla** Davis, Euteucha 117  
**basiflava** Packard, Dasychira 8296  
**basiflavalis** Barnes & McDunnough, Glaphyria 4871  
*basifusata* Walker, Eusarca 6933  
**basigera** Walker, Enigmogramma 8886  
*basigutta* Walker, Phoberia 8591  
*basilarella* Dietz, Pigritia 1232  
**basilaris** Zeller, Scythris 1652  
*basilorella* Dietz, Pigritia 1232  
**basipunctaria** Walker, Sigela 8434  
**basistriga** Barnes & McDunnough, Lactura 2404  
**basitriens** Walker, Peridea 7919  
*basqueella* Chambers, Stegasta 2209  
**bassettella** Clemens, Euclimensia 1467  
**bassiformis** Walker, Carmenta 2596  
*batabano*.– auct., Phocides 3865a  
*batesi* R. Felder & Rogenhofer, Glyphodes 5198  
**bathyllus** J. E. Smith, Thyrobes 3909  
*baueri* Staudinger, Gargula 9688  
*bavia* R. Felder & Rogenhofer, Amyna 9070  
**begga** Prittwitz, Gorgythion 3933  
**belae** Grote, Didasy 8281  
**belfrageana** Zeller, Sparganothis 3696  
**belfrageella** Chambers, Caloptilia 594  
**belfragei** Fish, Pselonophorus 6154  
*belfragei* Grote, Renia 8384.1  
*belfragei* Stretch, Holomelina 8122  
*belfragiana* Harvey, Catocala 8845  
**bella** Chambers, Adela 227  
**bella** Chambers, Heliodines 2497  
*bella* Hulst, Zophodia 5968  
**bella** Linnaeus, Uteheisa 8106  
*bellela* Walker, Aristotelia 1761  
**belli** H. A. Freeman, Amblyscirtes 4107  
*bellicula* Dyar, Cisthene 8071  
*bellicula* Hübner, Lithacodia 9046  
**bellivorella** Neunzig, Laetilia 5953.2  
*bellulalis* Hulst, Pyrausta 5069  
*belmaria* Ehrmann, Holomelina 8118 (f.)

- belusalis* Walker, Hileithia 5187  
**bendidia** Hodges, Cosmopterix 1473  
*beneficentella* Murtfeldt, Frumenta 2052  
**benesimilis** McDunnough, Euplexia 9545  
*benignalis* Walker, Bomolocha 8442  
*benjamini* Draudt, Micrathetis 9644  
**benjamini** Prout, Cyclophora 7138  
*benubia* Cassino, Ideia 7120  
**berenice** Cramer, Danaus 4615a  
**bergii** Möschler, Alatuscia 4793  
*bergmanniana*— auct., Croesia 3502  
*berioi* Dufrane, Papilio 4181 (ab.)  
**berosa** Dyar, Mesciana 5934.1  
**berryi** Bell, Euphyes 4076  
*bethune-bakeri* W. P. Comstock & Huntington, Cyc-largus 4358a  
**bethunebakeri** W. P. Comstock & Huntington, Cyc-largus 4358a  
**bethunei** Grote & Robinson, Lithophane 9887  
**betulae** Riley, Acronicta 9208  
**beutenmuelleri** H. Edwards, Isochaetes 4675  
*beutenmülleri* H. Edwards, Isochaetes 4675  
*bias* Druce, Galgula 9688  
**bibitrix** Hübner, Coenipeta 8665  
*bibularia* Grote & Robinson, Lambdina 6894a  
**bicarnea** Guenée, Xestia 10950  
**bichorda** Hampson, Rifargia 7965  
**bicolor** Harris, Sphingicampa 7709  
*bicolor* Rothschild, Eupseudosoma 8257  
**bicolorago** Guenée, Sunira 9957  
**bicoloralis** Guenée, Pyrausta 5040  
**bicolorata** Fabricius, Macaria 6341  
*bicolorella* Chambers, Cameraria 816  
*bicolorella* Hulst, Atascosa 6067  
**bicornutus** Davis, Acalyptis 113  
**bicornutus** Hasbrouck, Acrolophus 343  
**bicostomaculella** Chambers, Chionodes 2064  
**bicristata** Braun, Bucculatrix 498  
*bidactyla* Hochen, Emmelina 6234  
**bidens** Geyer, Gonodonta 8542.1  
**bidentata** Walker, Nerice 7929  
*bifascia* Hübner, Schinia 11147  
*bifascialis* Heeger, Hydriris 5127  
**bifascialis** Robinson, Petrophila 4774  
*bifasciata* Bates, Ptichodis 8750  
**bifasciella** Chambers, Homosetia 287  
*bifasciella* Chambers, Theisoa 1722  
*bifasciella* Hampson, Peoria 6049  
*bifenestralis* Mabille, Maruca 5157.1  
*biferalis* Walker, Hypenula 8376  
*biferana*— Kimball, Hemerophila 2654  
*bifida* Packard, Euclea 4697  
**bifidalis** Fabricius, Achyra 4974  
*bifidalis* Grote, Lascoria 8393  
**bifilata** Walker, Nemoria 7045  
*bifurcalis* Snellen, Marasmia 5288  
**biguttata** Packard, Apoda 4669  
*biguttatus* Packard, Schizura 8005  
**biguttellus** Forbes, Microcrambus 5419  
**bijugalis** Walker, Bomolocha 8443  
**bilineata** J. B. Smith, Metria 8667  
**bilineata** Packard, Lochmaeus 7999  
*biliturella* Zeller, Pediasia 5413  
**biloba** Davis, Carposina 2317  
*biloba* Hodges, Afeda 1622  
**biloba** Stephens, Megalographa 8907  
**bimacula** Grote & Robinson, Euphyes 4077 (p. 62)  
**bimaculana** Robinson, Carolella 3783  
*bimaculata* Gmelin, Alypia 9314  
*bimaculata* Saunders, Holomelina 8121  
**bimaculatella** Ely, Caloptilia 595  
**bimaculella** Chambers, Fascista 2203  
*bimaculella* Chambers, Tinea 400  
**bina** Guenée, Schinia 11105  
**binodulalis** Zeller, Dolichomia 5530  
*binotula* Herrich-Schäffer, Pseudoplusia 8890  
*bion* Fabricius, Ancyloxypha 4004  
*bipartita* J. B. Smith, Ophiuche 8456  
**bipartitella** Ragonot, Peoria 6043  
**bipenicilla** J. Brown & R. Brown, Cryptaspasma 2700.2  
**bipinnatellus** Wilkinson, Acalyptis 112.1  
*biplaga* Guenée, Acontia 9136  
*biplaga* Walker, Pseudostrotia 9055.2  
**biplagiialis** Walker, Scoparia 4716  
**biplagiata** Fruhstorfer, Siproceta 4446a  
**bipuncta** Morrison, Gabara 8522a  
**bipunctalis** Fabricius, Herpetogramma 5272  
**bipunctata** Möschler, Adaina 6155  
*bipunctata* Walker, Spodoptera 9672  
**bipunctella** Barnes & McDunnough, Coenochroa 6041  
**bipunctella** Dietz, Mea 305  
*bipunctella* Hampson, Unadilla 5948  
**bipunctella** Walker, Eucosma 3099  
**bipunctella** Walsingham, Dichomeris 2274  
*bipunctella*— auct., Peoria 6043  
*bipunctina* Guenée, Alabama 8554  
*bipustulana* Walker, Pseudexentera 3257  
*bircornutus* Davis, Acalyptis 113  
**birdana** Busck, Phtheochroa 3801  
*birectalis* Hampson, Salobrena 5561  
**biscana** Kearfott, Aethes 3815  
*biselliella* Herrich-Schäffer, Tineola 426  
*biseriata* Herrich-Schäffer, Eupathe 7440  
**bisselliella** Hummel, Tineola 426  
**bistrialis** Geyer, Doryodes 8765  
**bistriaria** Hübner, Nemoria 7046  
**bistriaris** Hübner, Paralelia 8727  
**bistriata** Kearfott, Paraganothis 3698  
*bistriatella* Hulst, Peoria 6048  
*bistriga* Walker, Melipotis 8605  
*bistrigalis* Stephens, Idia 8334  
**bistrigata** Hübner, Ptichodis 8751  
*bitactaria* Walker, Ametris 6259  
**biundata** Walker, Heterocampa 7995  
*bivitrilis*— auct., Glyphodes 5198  
*bivittata* Walker, Melipotis 8604  
*blacella* Barnes & Busck, Agonopterix 889  
**blakei** Maynard, Eurema 4239a  
**blanchardi** Heppner, Drymoana 2336.2  
*blatchleyi* Haimbach, Metria 8666 (f.)  
*bocharae* Goldschmidt, Lymantria 8318  
*bogotatella*— Alpheraky, Setomorpha 428  
**boisduvaliana** C. Felder & R. Felder, Eurema 4245  
*bolina*— auct., Hypolimnas 4439  
**bolize** Hodges, Dichomeris 2297.2  
*bolli* Grote, Melitara 5970  
*bolli* H. Edwards, Carmenta 2596  
*bolli* Wagner, Actias 7758  
**bolliana** Slingerland, Gretchena 3263  
*bollii* J. B. Smith, Carmenta 2596  
*bollii* Zeller, Melitara 5970  
*bombyciformis* J. B. Smith, Psaphida 10012  
*bombycinus* Zeller, Acrolophus 372  
**bomonana** Kearfott, Aethes 3816  
**bonhotei** E. M. Sharpe, Papilio 4172a  
*bonusculalis* Hulst, Parapediasia 5450  
*borealis* B. P. Clark, Ceratomia 7787  
*borealis* B. P. Clark, Pachysphinx 7828  
*borealis* B. P. Clark, Paonius 7824  
*borealis* B. P. Clark, Sphinx 7810  
*borealis* F. H. Chermock, Cercyonis 4587  
*borealis* Fitch, Orgyia 8316 (var.)  
*borealis* Grote, Macalla 5577  
**borealis** Guérin-Ménéville, Furcula 7936  
*borealis* J. B. Smith, Idia 8326  
*borealis* J. B. Smith, Psaphida 10016 (f.)  
**boreasella** Chambers, Decantha 1042  
*borrigaria* Warren, Leptostales 7173  
*boscana*— auct., Acleris 3540a  
**bosqueella** Chambers, Stegasta 2209  
*bosquella* Chambers, Ectoedemia 53  
*botrana*— auct., Endopiza 2712  
**botimeri** Busck, Mompha 1429  
*botys* Strand, Framinghamia 5262  
*boweri* Chermock & Chermock, Lochmaeus 7999 (f.)  
*brachyelythrifoliella* Kaila, Dicranoctetes 1132  
**brachyelythrifoliella** Clemens, Dicranoctetes 1132  
*brachymorpha*— auct., Mariana 6119.1  
*brasiliensis* Gorkum & Waal, Diatraea 5475  
*brassicae* Riley, Trichoplusia 8887  
*brassicella* Fitch, Plutella 2366  
**braunellus** Klots, Crambus 5368  
*braziliensis* Hampson, Neogalea 10032  
**brehmei** Barnes & McDunnough, Bellura 9524  
**brendae** R. L. Heitzman, Hypagyrtis 6657  
*brettoides*— Wytman, Hylephila 4013  
*brettus* Boisduval & Leconte, Polites 4045  
*brettus*— Holland, Hylephila 4013  
*brevicornis* Walker, Holomelina 8122  
*brevimargo* Butler, Manduca 7782  
**breviornatalis** Grote, Toripalpus 5584  
**brevipennella** Dietz, Amydria 329  
**brevipennis** Zeller, Stenoptilodes 6122  
*brevistrostralis* Grote, Renia 8378  
*brevis* Grote, Schinia 11110  
*brevitella* Kimball, Mompha 1430  
**brevivittella** Clemens, Mompha 1430  
*bridwelli* Brower, Catocala 8859 (f.)  
**brimleyana** Dyar, Abablemma 8437  
**brizo** Boisduval & Leconte, Erynnis 3946  
**brizo** Boisduval & Leconte, Erynnis 3946a  
*brodiei* B. P. Clark, Darapsa 7886  
**brontes** Drury, Manduca 7780  
**brontes** Drury, Manduca 7780a  
*broweri* Gunder, Eurytides 4184 (ab.)  
*broweri* Heinrich, Nymphuliella 4753  
*browni* Field, Phoebis 4228a (f.)  
**brumosa** Guenée, Acronicta 9255  
*brunnea* Grote & Robinson, Heterocampa 7983  
*brunnea* Sageder, Antheraea 7757  
*brunnea* Schultz, Lymantria 8318  
*brunnea* Strecker, Hyphantria 8140  
*brunnea* Tutt, Celastrina 4363 (ab.)  
*brunnearia* Packard, Nemoria 7046  
**brunneata** Packard, Eumacaria 6272a  
*brunneella* Dyar, Dioryctria 5863.1  
*brunneipennis* H. Edwards, Synanthedon 2552  
*brunneipennis* Hulst, Orthonama 7414  
*brunneochracea* Kimball, Eublemma 9078  
*brunneolineata* Hulst, Nematocampa 7009  
*brunneochracea* Strand, Eublemma 9078  
*brunneochracea* Strand, Eucirroedia 9952 (f.)  
**brunneopurpuratus** Heinrich, Olethreutes 2807  
**brunneus** Busck, Prostomeus 2256  
**brunneus** Herrich-Schäffer, Ephyriades 3944  
*bucephalus* Stephens, Hylephila 4013  
**buchholzeria** Lemmer, Hypomecis 6438  
**buchholzi** H. A. Freeman, Megathymus 4145a  
**buchholzi** McDunnough, Zale 8706  
*budea* Hübner, Hyphantria 8140  
**bufalis** Guenée, Penestola 5179  
*buffaloensis* Grote & Robinson, Hemaris 7853  
*buffaloensis* Grote, Parapamea 9463  
**bulenta** Boisduval & Leconte, Problema 4053 (p. 62)  
*bulisalis* Walker, Desmia 5162  
**bullula** Grote, Amyna 9069  
*bumeliella* Barnes & McDunnough, Zamagiria 5737  
**bunteana** Robinson, Thyraia 3769  
*buoliana*— Kimball, Rhyacionia 2868  
*buoliana*— Kimball, Rhyacionia 2879.1  
*buoliana*— Kimball, Rhyacionia 2885  
*burdigalensis* Mabille, Lymantria 8318  
**burserae** Dyar, Paectes 8960  
**burserae** Heppner, Episimus 2702.1  
**burserella** Busck, Caloptilia 598  
*busckana*— Heppner, Rhyacionia 2879.1  
*busckella* Dyar, Glyptocera 5745  
*busckellus* Haimbach, Acrolophus 374  
**buscki** Barnes & Lindsey, Adaina 6159  
*buscki* Engelhardt, Synanthedon 2554 (race)  
*busckiella* Kearfott, Tebenna 2649  
**busiris** Hodges, Batrachedra 1406  
*butleri* Dyar, Utetheisa 8105  
*butyroa* Butler, Epicorsia 4938  
*buxaria* Guenée, Numia 6699  
**byssus** W. H. Edwards, Problema 4052  
**c-nigrum** Linnaeus, Xestia (p. 62)  
*c-nigrum*— auct., Xestia 10942.1  
*cablei* Reizenstein, Pachysphinx 7828  
*cabnal* Schaus, Manduca 7782  
**cacata** Guenée, Ephyrodes 8582  
**cachexiata** Guenée, Tetracis 6964  
*cacocnemos* Jones, Basicladus 450  
**cactorum** Berg, Cactoblastis 5976.1  
**cacula** Hodges, Chionodes 2065.1  
**cacuminalis** Walker, Hypenula 8376  
*cacus* Fabricius, Phryxus 7840  
*cadaverosa* Grote, Pareuchaetes 8227  
**cadburyi** Franclemont, Comachara 8973.3  
*caduca* Grote, Homophoberia 9056  
*caeca* Cockerell, Callosamia 7764  
*caeca* Igel, Automeris 7746  
**caeculalis** Zeller, Perispasta 4951  
*caelaria* Hulst, Xanthotype 6743  
*caeneus*— auct. not Linnaeus, Calephelis 4386  
**caeruleella** Walker, Adela 227

- caesia* J. B. Smith, Euxoa 10805  
*caesiaria* Hulst, Macaria 6405  
*caesonia*.– auct., Zerene 4224  
*caffer*.– Fletcher, Sphenarches 6090.1  
*caffrei* Flint & Malloch, Achyra 4975  
*cahiritella*.– auct., Cadra 6022  
*caicus* Cramer, Phryxus 7840  
*calami* Harvey, Cosmia 9815  
*calamia* McDunnough, Cosmia 9815  
*calanus* Hübner, Satyrium 4282  
*calanus* Hübner, Satyrium 4282a  
*calcarata* Meyrick, Yponomeuta 2416.1  
*calhouni* Shuey, Euphyes 4074a  
*calidana* Zeller, Platynota 3739  
*calidior* Forbes, Leucania 10460  
*californiana* Ménéties, Colias 4210  
*californica* Mabille, Euphyes 4078  
*californica* Packard, Estigmene 8131  
*californica* Packard, Pyrrharcia 8129  
*californicus* Walsingham, Trichoptilus 6100  
*caliginosellus* Clemens, Crambus 5381  
*calisalis* Walker, Mursa 8477.1  
*callae* Field, Eurema 4242 (ab.)  
*callidior* Franclemont & Todd, Leucania 10460  
*calligera*.– auct., Urodes 2415  
*callitrichoides* Grote, Phyprosopus 8525  
*calphurnia* H. Edwards, Catocala 8835  
*calpota* J. B. Smith, Leucania 10455  
*calusella* Kaila, Biselachista 1124.1  
*calverleyi* Grote, Papilio 4159a (ab.)  
*calycanthata* J. E. Smith, Zale 8714  
*calycanthata*.– auct., Zale 8713  
*camalis* Klima, Geshna 5126  
*cambogialis* Guenée, Parapediasia 5154  
*camertus* Cramer, Enyo 7852  
*camina* J. B. Smith, Schinia 11104  
*campalis* Guenée, Lygropia 5248  
*campestrana* Zeller, Orthotaenia 2770  
*campestris* Boisduval, Atalopedes 4049  
*camurella* Clemens, Parapediasia 5451  
*cana* Butler, Lapara 7816  
*cana* Erichson, Mestra 4538 (p. 62)  
*cana* Robinson, Sparganothis 3728  
*cana* Walker, Clemensia 8098  
*cana* Walker, Dasylophia 7957  
*canadaria* Guenée, Melanolophia 6620  
*canadensis* J. B. Smith, Acronicta 9205 (f.)  
*canalis* Grote, Metallata 8573  
*canariella* Dietz, Pigritia 1246  
*cancellalis* Dyar, Diatraea 5481  
*candefacta* Hübner, Tarachidia 9090  
*candefactella* Strand, Tarachidia 9090  
*candens* Guenée, Orthodes 10587  
*candescens* H. Edwards, Osminia 2545  
*candida* J. B. Smith, Ceratonyx 6780  
*candida* Lintner, Cerura 7943  
*candida* Walker, Hyphantria 8140  
*candidaria* Packard, Scopula 7161  
*candidatus* Cassino, Tolype 7670  
*canellus* Forbes, Loxocrambus 5427  
*canescens* Behr, Cosmia 9815  
*caniplaga* Walker, Ellida 7930  
*cannalis* Quaintance, Geshna 5126  
*canofusa* Hampson, Spragueia 9132  
*canthema* Schaus, Scopula 7154  
*canusella* Chambers, Antaeotricha 1019  
*capensis* Zeller, Diaphania 5207  
*capitalis* Grote, Compacta 5233  
*capitatus* Fabricius, Stegasta 2209.1  
*capitella* Fabricius, Stegasta 2209.1  
*capitcola* Walker, Drasteria 8618  
*cappsi* Munroe, Glaphyria 4874  
*caprealis* Hübner, Aglossa 5517  
*capreolatus* Haworth, Aglossa 5517  
*caprotina* Drury, Estigmene 8131  
*capsella* Grote, Protorthodes 10563  
*capsicum* Bradley & Povolný, Symmetrischema 2032  
*capsularis* Guenée, Anepia 10317  
*capitcola* McDunnough, Drasteria 8618  
*capucinus* Lucas, Asbolis 4079  
*cara* Möschler, Cecharismena 8530  
*cara*.– auct., Catocala 8832.1  
*caradrinalis* Guenée, Bleptina 8370  
*caradrinoides* Walker, Spodoptera 9665  
*carata* Hulst, Apolemia (p. 62)  
*carbonaria* Haimbach, Epimecis 6599 (f.)  
*carbonellus* Hulst, Elasmopalpis 5896  
*carbonita* Franclemont, Amphipyra 9638 (f.)  
*carcearia* Walker, Eusarca 6933  
*carduelis* Seba, Vanessa 4435  
*carduella* Meyrick, Tebenna 2649  
*cardui* Linnaeus, Vanessa 4435  
*cardui* Zeller, Platyptilia 6109  
*carduidactyla* Riley, Platyptilia 6109  
*carduiella* Kearfott, Tebenna 2649  
*caricae* Dyar, Davara 5732  
*carin* Hübner, Hylephila 4013  
*carinenta* Cramer, Libytheana 4410  
*cariosa* J. B. Smith, Euxoa 10805  
*cariosa* Lederer, Omphalocera 5625  
*cariosa*.– auct., Omphalocera 5627  
*cariosella* Dietz, Setomorpha 428  
*carissima* Hulst, Catocala 8832.1  
*caritella* Busck, Gerdana 1144  
*carlotta* Hulst, Lycia 6652a  
*carmelita* Morrison, Eublemma 9076  
*carminosa* Franclemont & Todd, Schinia 11173.1  
*carmosina* Neumoegen, Schinia 11173.1  
*caruariella* Clemens, Tinea 394  
*carneella* Barnes & McDunnough, Wakulla 6027  
*carneicosta* Guenée, Panopoda 8587  
*carneola* Guenée, Pseudostrotia 9055.2  
*carolina* F. Chermock & R. Chermock, Cercyonis 4587  
*carolina* H. Edwards, Nelphe 8271  
*carolina* Harris, Haploa 8108  
*carolina* J. B. Smith, Argyrostromis 8758  
*carolina* Jones, Callosamia 7766  
*carolina* Kearfott, Stenoptilodes 6125  
*carolina* Linnaeus, Manduca 7775  
*carolina* Pavulaan, Brepidium 4354a (f.)  
*carolinana* Walsingham, Epiblema 3192  
*carolinellus* Haimbach, Crambus 5362  
*carolinensis* Barnes & McDunnough, Schinia 11202  
*carolinensis* Engelhardt, Alcathe 2622  
*carolinianus* Holland, Eurytides 4184 (ab.)  
*carolynae* Neunzig, Salebriaria 5777.4  
*carpinifolia* Boisduval, Phyllodesma 7686  
*carteri* Rothschild & Jordan, Protambulyx 7819  
*carteri*.– auct., Dryas 4416a  
*caryae* Clarke, Psilocorsis 957  
*caryae* Robinson, Sparganothis 3700  
*caryae* Schimer, Cydia 3471  
*caryae*.– auct., Acrobasis 5667  
*caryaealba* Walsingham, Phyllonorycter 741  
*caryaealbella* Chambers, Phyllonorycter 741  
*caryaeoliella* Chambers, Dichomeris 2287  
*caryaeoliella* Clemens, Cameraria 811  
*caryaeoliella* Clemens, Coleophora 1291  
*caryaeoliella* Clemens, Stigmella 93  
*caryaeovorella* Hulst, Acrobasis 5686  
*caryaeovorella* Packard, Chionodes 2079  
*caryana* Fitch, Cydia 3471  
*caryana* McDunnough, Pseudexentera 3246  
*caryivorella* Ragonot, Acrobasis 5686  
*cassandra* Pellmyr, Tegeticula 198.1  
*cassiae* Dyar, Amyeloid 5724  
*cassius* Cramer, Leptotes 4356  
*castalia*.– auct., Kricogonia 4235  
*castaneae* Busck, Synanthedon 2577  
*castaneaeella* Chambers, Tischeria 140  
*castaneaeoliella* Chambers, Stigmella 90  
*castaneella* Reutti, Plodia 6019  
*castanella* Walsingham, Tischeria 140  
*castaneum* Beutenmüller, Paranthrene 2523 (var.)  
*castellalis* Guenée, Samea 5150  
*castrensis*.– J. E. Smith, Malacosoma 7701  
*catachloa* Hulst, Nemoria 7031  
*cataclystiana* Walker, Eucosma 3142  
*catalina*.– auct., Leptotes 4356a  
*catalpae* Boisduval, Ceratonia 7789  
*cataphracta* Grote, Papaipema 9466  
*catenalis* Walker, Pyrausta 5050  
*cathaeretes* Dyar, Anegecephalesis 5740  
*catheretes* Dyar, Anegecephalesis 5740  
*cattapae* Rings & Rings, Ceratonia 7789  
*catullus* Fabricius, Pholisora 3977  
*caudata* Harris, Alcathe 2623  
*caudata* Walker, Spodoptera 9673  
*caulivorella* Neunzig, Acrobasis 5668.1  
*caulocatax* Razowski, Cochylis 3768.1  
*cautella* Walker, Cadra 6022  
*ceanothiella* Cosens, Periploca 1562  
*cecropia* Linnaeus, Hyalophora 7767  
*cecropis* Fabricius, Callophrys 4299  
*ceddalis* Schaus, Steniodes 5178  
*celadon* Lucas, Eurytides 4184.1 (p. 62)  
*celeus* Hübner, Manduca 7776  
*celia* H. Edwards, Catocala 8857 (f.)  
*celia* Skinner, Amblyscirtes 4106 (p. 62)  
*celibatus* Jones, Basicladus 451  
*cellaris* Guenée, Melipotis 8601  
*cellatalis* Walker, Herpetogramma 5274  
*cellus* Boisduval & Leconte, Autochton 3902  
*celtidella* Hulst, Nephopterix 5803  
*celtifoliella* Chambers, Phyllonorycter 742  
*celtis* Boisduval & Leconte, Asterocampa 4557  
*celtis* Boisduval & Leconte, Asterocampa 4557a  
*cemolia* Franclemont, Anicia 10912  
*centetes* Meyrick, Megalorhipida 6104  
*centralis* Grote, Renia 8379  
*centralis* Walker, Conidia 9698  
*centriferruginea* Strand, Acronicta 9246  
*centrifugaria* Herrich-Schäffer, Phrudocentra 7051  
*centripunctalis* Gaede, Pyralis 5515  
*centrostrigaria* Wollaston, Costaconvexa 7416  
*cephalanthiella* Chambers, Mompha 1433  
*cephalica* Butler, Elaphria 9681  
*cephalonica* Stainton, Coreya 5634  
*cephalonthiella* Chambers, Mompha 1433  
*cephusalis* Walker, Amyna 9070  
*cerasi* Boisduval, Paonius 7825 (var.)  
*cerata*.– auct., Epicorsia 4938  
*ceratoniae* Zeller, Ectomyeloid 5723  
*ceratoniae*.– Thompson, Ephestia 6020  
*ceratoniella* Fischer von Röslerstamm, Ectomyeloid 5723  
*ceraunus* Fabricius, Hemiargus 4359  
*cercerella* Meyrick, Fascista 2204  
*cercerisella* Chambers, Fascista 2204  
*cerea* Haworth, Galleria 5622  
*cerealella* Olivier, Sitotroga 2260  
*cerealis* Hübner, Galleria 5622  
*cereana* Linnaeus, Galleria 5622  
*cereella* Bosc, Nola 8991  
*cerella* Fabricius, Galleria 5622  
*cerina* Braun, Bucculatrix 569  
*cerintha* Treitschke, Cerma 9062  
*cernes* Boisduval & Leconte, Polites 4041  
*cernes*.– Harris, Polites 4042  
*ceromatica* Grote, Pyreferra 9929  
*cerussaria* Grote, Phrygonis 6671  
*cervina* J. B. Smith, Conidia 9700  
*cervinalis* Möschler, Bomolocha 8453  
*cervinicolor* Barnes & McDunnough, Exelastis 6142.1  
*cervinus* Walsingham, Acrolophus 372  
*ceryx* Hodges, Chionodes 2067.1  
*cesonia* Stoll, Zerene 4224  
*ceto* Westwood, Melittia 2536  
*ceyvestensis* Dyar, Acontia 9143  
*chagnoni* Swett, Nematocampa 7009 (var.)  
*chalcas* Fabricius, Papilio 4182  
*chalconia* Hübner, Elaphria 9679  
*chalcfrontella* Clemens, Holcocera 1175  
*chalcus* Fabricius, Papilio 4182  
*chalybeana* Fernald, Acleris 3539  
*chalybeis* Zeller, Adela 227  
*chalybella* Guenée, Cydosis 9001  
*chalybistrois* Zeller, Agriphila 5403  
*chamaechrysa* Grote, Mellila 6322  
*chamaeleon* Möschler, Characoma 8974  
*chamberlaini* Butler, Eurema 4241  
*chambersella* Murtfeldt, Helcystogramma 2265  
*championi* Druce, Paranthrene 2522  
*chapmanii* Grote, Heterocampa 7977  
*charipepla* Meyrick, Pompostolella 302  
*charithonia* Linnaeus, Heliconius 4418  
*charitonia* Linnaeus, Heliconius 4418  
*charitonius* W. P. Comstock & F. M. Brown, Heliconius 4418  
*charlottae* Brou, Catocala 8869.1  
*chatka* Busck, Lorita 3781  
*chejelis* Dyar, Atascosa 6067  
*chemmis* Fabricius, Calpodis 4115  
*chenopodii* Fabricius, Discestra 10223  
*chephise* Cramer, Melanchroia 6616  
*cheris* Hübner, Sphinx 7802  
*chica* R. Brown, Corticivora 3446.1



*chiococca* Kearfott, *Argyrotaenia* 3606  
*chiococcana* Meyrick, *Argyrotaenia* 3606  
**chiococcella** Busck, *Podiasa* 2412  
*chionanthi* J. E. Smith, *Manduca* 7778  
*chionochroa* Hampson, *Acronicta* 9205  
**chionosema** Zeller, *Hedya* 2863  
*chiquita* Bartsch, *Catocala* 8851  
*chiquitana* Barnes & Busck, *Platynota* 3736  
**chiridota** Grote, *Lacosoma* 7659  
**chiron** Fabricius, *Marpesia* 4549  
*chironias* Hübner, *Marpesia* 4549  
*chlorias* Meyrick, *Leioptilus* 6212  
*chlorinda* Butler, *Darapsa* 7886  
**chloris** Herrich-Schäffer, *Parasa* 4698  
**chloroleucaria** Guenée, *Chlorochlamys* 7071  
**chloropha** Hübner, *Caenurgia* 8733  
*chlorophasma*.— auct., *Synclera* 5196  
*chocolatella* Goetz, *Ephestia* 6021  
**choctawae** Rindge, *Melanolophia* 6620a  
*choerilus* Cramer, *Darapsa* 7886  
*chresphontes* Dury, *Papilio* 4170  
*chroesus* Strand, *Sphenarches* 6090.1  
**chromalis** Guenée, *Phaedropsis* 5246  
*chryseis* Olivier, *Hypercompe* 8146  
**chrysodispersella** Dietz, *Homosetia* 288  
*chrysopasa* Walker, *Basilodes* 9781  
**chrysopela** Hübner, *Anartia* 4444  
*cicerella* Rondani, *Plutella* 2366  
**cilicoides** Grote, *Nola* 8990  
*cillene*.— auct., *Dryas* 4416a  
*cimbiciformis* Stephens, *Hemaris* 7853  
**cinnannalis** Munroe, *Palpita* 5221  
**cinnanniella** Chambers, *Cameraria* 815  
**cincta** J. B. Smith, *Kakopoda* 8669  
*cincta* W. H. Edwards, *Janatella* 4479 (p. 62)  
*cinctaria* French, *Phigalia* 6658  
**cinctarius** Hulst, *Tornos* 6485  
**cinctipalpis** J. B. Smith, *Coxina* 8662  
*cinctipetalis* Walker, *Polygrammodes* 5228  
**cinctipes** Grote, *Halysidota* 8202  
*cinderella* J. B. Smith, *Acronicta* 9205  
*cineraria* Walker, *Ectropis* 6597  
*cinerascens* Walker, *Lochmaeus* 7998  
*cinerea* Geoffroy, *Plutella* 2366  
*cinerea* Harris, *Sphinx* 7802  
*cinerea* Mayfield, *Catocala* 8847 (f.)  
*cinerea* Morrison, *Pseudanthracina* 8683  
*cinerea* Riley, *Lithophane* 9910  
**cinerea** Walker, *Furcula* 7937  
*cinereicollis*.— Hampson, *Leucania* 10450  
*cinerella* Murtfeldt, *Tildenia* 2050  
**cinereocostella** Clemens, *Depressaria* 921  
*cinereofrons* Packard, *Schizura* 8005 (f.)  
**cinereola** Guenée, *Ogdoconta* 9720  
*cinereola* Hübner, *Achroia* 5623  
*cinereus* Packard, *Heterocampa* 7994  
*cineridactyla* Fitch, *Emmelina* 6234  
*cinerola* Ragonot, *Achroia* 5623  
*cinerosa* Grote & Robinson, *Erinnyis* 7837  
*cinerosa* Grote & Robinson, *Pyrausta* 5070 (f.)  
**cinerosella** Neunzig, *Laetilia* 5953.1  
*cinerotunicella* Braun, *Tischeria* 140  
**cingulatus** Fabricius, *Agrius* 7771  
*cingulifera* Walker, *Zale* 8713  
*cinis* Guenée, *Melipotis* 8607  
*cinna* Plötz, *Wallengrenia* 4047  
**cinnamomea** Herrich-Schäffer, *Eublemma* 9077  
*cinocentralis* Strand, *Derrima* 11055  
*cioccolatina* Draudt, *Boryzops* 8643 (f.)  
*cippus*.— auct., *Euclea* 4697  
*circa* Stretch, *Grammia* 8196  
*circae* H. Edwards, *Proserpinus* 7874  
*circe* Strecker, *Catocala* 8851 (f.)  
**circulana** Hübner, *Eucosma* 3052  
*circulifera* Walker, *Charadra* 9189  
**circumscriptella** Zeller, *Mompha* 1434  
**cirroferella** Hulst, *Acrobasis* 5684  
*cistipennis* Dyar, *Fundella* 5725  
*citata* Grote, *Ophiuche* 8457  
*ciitima* Grote, *Phalaenostola* 8364  
**citrana** Fernald, *Argyrotaenia* 3614 (p. 62)  
*citrana*.— Griffiths & Thompson, *Argyrotaenia* 3627  
*citrana*.— Kimball, *Argyrotaenia* 3627  
**citrella** Stainton, *Phyllocnistis*, 854.1  
*citricola* Shiraki, *Phyllocnistis*, 854.1  
*citricolella* Chambers, *Holcocera* 1157

**citriella** Chambers, *Coleotechnites* 1800  
*citriella* Chambers, *Holcocera* 1157  
**citrifoliella** Chambers, *Dichomeris* 2292  
*citrina* auct., *Xanthotype* 6743  
*citrina* Druce, *Ponometia* 9115  
*citrina* Grote & Robinson, *Helvibotys* 4980  
*citrinaria* Hübner, *Xanthotype* 6743  
*citrinaria* Neumoegen & Dyar, *Grammia* 8197 (f.)  
*clandestin* Walker, *Gluphisia* 7931  
*clappi* Maynard, *Eurema* 4237  
*clara* Harvey, *Elaphria* 9676 (f.)  
*clarefacta* Walker, *Condica* 9699  
**clarescens** Guenée, *Acronicta* 9246  
*clarionica* Vázquez, *Strymon* 4345  
**clarioralis** Walker, *Dioryctria* 5863.1  
**clarissa** Busck, *Ethmia* 994.1a  
*clarkii* Franck, *Smerinthus* 7821 (ab.)  
**clarus** Cramer, *Epargyreus* 3870  
*clarus* Grote & Robinson, *Pagura* 8243.1  
**claudia** Cramer, *Euptoieta* 4447  
*claudialis*.— auct., *Chrysandeton* 4744  
*claufacta* Walker, *Condica* 9699  
*clausella* Walker, *Depressaria* 921  
*clavana* Zeller, *Eucosma* 3116  
**claypoleana** Riley, *Zeiraphera* 3238  
*cleis* Cassino, *Catocala* 8786 (f.)  
**clenataria** J. E. Smith, *Eutrapela* 6966  
**clemensella** Chambers, *Ectoedemia* 44  
*clemensella* Chambers, *Hypatopa* 1208  
*clemensella* Chambers, *Hypatopa* 1208  
**clemensella** Chambers, *Philonome* 462  
*clemensella* Chambers, *Xylesthia* 317  
*clemensella* Robinson, *Donacula* 5317  
**cleobaea** Godart, *Lycorea* (p. 62)  
*cleomes* Boisduval & Leconte, *Ascia* 4198  
*cleothera*.— auct., *Danaus* 4616a  
*clericalis* Burmeister, *Erynnis* 3957  
*clintoni* Grote & Robinson, *Dasychira* 8296  
**clintoni** Grote, *Catocala* 8872  
*clitosalis* Walker, *Renia* 8379  
*cloniasalis* Walker, *Bleptina* 8370  
**clorinde** Godart, *Anteos* 4226 (p. 62)  
*clotho* Fabricius, *Eumorpha* 7866  
**clymena** Crame, *Diaethria* 4535 (p. 62)  
**clymene** Brown, *Haploa* 8107  
*clymene* Esper, *Haploa* 8108  
**clyton** Boisduval & Leconte, *Asterocampa* 4562.1a  
**clyton** Boisduval & Leconte, *Asterocampa* 4562.1  
*cnabella* Dyar, *Hypsipyla* 5705  
*cnotos* Hübner, *Darapsa* 7885  
**cocana** Kearfott, *Eucosma* 3072  
**coccidivora** J. H. Comstock, *Laetilia* 5949  
**coccinata** Grote, *Catocala* 8851  
*coccineifascia* Grote, *Phytometra* 8480  
**coccivorella** Chambers, *Holcocera* 1158  
*cochles* Scudder, *Panoquina* 4116  
**cochrusalis** Walker, *Marasmia* 5289  
*cocophaga* Franclemont, *Palpidea* 8517  
*cocytia* Cramer, *Phyciodes* 4481  
*coecolialis* Walker, *Pyrausta* 5050  
*coeligenalis* Hulst, *Terastia* 5239  
*coena* Barnes & Benjamin, *Junonia* 4440  
**coenia** Hübner, *Junonia* 4440  
*coerulea* Godman & Salvin, *Eunica* 4533  
**cofaqui** Strecker, *Megathymus* 4147  
**cognataria** Hübner, *Glena* 6450  
*collaris* Fitch, *Cynia* 8230  
*collaris* Walker, *Manduca* 7780a  
*collata* Walker, *Mocis* 8743  
*collateralis* Herrich-Schäffer, *Agrapha* 8889  
*collecta* Walker, *Anavitrinella* 6590  
*collucidalis* Möschler, *Achyra* 4975  
*colon* Guenée, *Amyna* 9070  
**colona** Hübner, *Haploa* 8108  
*colonnella* Costa, *Etiella* 5744  
*coloradensis* Busck, *Aroga* 2187  
*coloradensis* Cockerell, *Automeris* 7746  
**coloraria** Fabricius, *Erastris* 6704  
*colorata* Walker, *Apantes* 8170  
**columbiella** Neunzig, *Ephestia* 6020.1  
*columboides* Franclemont, *Acronicta* 9236 (f.)  
*columella*.— auct., *Strymon* 4345  
*comacornella* Hulst, *Acrobasis* 5686  
*combinata* Walker, *Panopoda* 8587 (f.)  
*cometana* Walsingham, *Ancylis* 3374  
**comma** Harris, *Polygonia* 4421

*comma* Schultz, *Trichoplusia* 8887 (ab.)  
*commelineae* J. E. Smith, *Spodoptera* 9671  
**commentella** Dyar, *Zamopsycha* 440  
**commoides** Guenée, *Leucania* 10447 (p. 62)  
*commoides*.— Kimball, *Leucania* 10444  
*communalis* Snellen, *Herpetogramma* 5274  
*communis* Grote, *Achyra* 4975  
*communis* Grote, *Catocala* 8798  
**communis** Grote, *Pyrgus* 3966  
**compensata** Walker, *Scopula* 7152  
*complanoides* Frey & Boll, *Tischeria* 143  
**compositella** Walker, *Aroga* 2187  
**compressipalpis** Guenée, *Plusiodonta* 8534  
*compressipalpus* Tietz, *Plusiodonta* 8534  
*comprimens* Walker, *Ephyrodes* 8582  
*compsobathra* Meyrick, *Pyrallis* 5515  
*compsochondes* Meyrick, *Megalorhipida* 6104  
*compta* Clemens, *Atteva* 2401  
*compta* Walker, *Schizura* 8005  
**comptana** Frölich, *Ancylis* 3374  
**comptaria** Walker, *Venusia* 7428  
**comyntas** Godart, *Everes* 4361  
*concatenalis* Walker, *Pyrausta* 5050  
**concinna** J. E. Smith, *Schizura* 8010  
**concinnalis** Hampson, *Conchylodes* 5293  
*concinna* Möschler, *Bicilia* 5271  
**concinnula** Walker, *Antiblemma* 8579  
*conclisa* Walker, 1860)  
**conclisa** Walker, *Condica* 9698  
*conclisa* Walker, *Epidromia* 8585.3  
*conclisaria* Walker, *Euchlaena* 6724  
**conclusella** Walker, *Anacamptis* 2233  
*concolor* Grote, *Dysgonia* 8725  
*concolor* Möschler, *Spragueia* 9122  
*concolorata* Barnes & Benjamin, *Amyna* 9069 (f.)  
**concolorella** Chambers, *Ithome* 1638  
*concolorella* Chambers, *Periploca* 1560  
**concors** Hübner, *Glymipis* 8478  
*concors* Meyrick, *Duosina* 1420  
**concupitana** Heinrich, *Gretchena* 3260  
*concurbitana* Kimball, *Gretchena* 3260  
*concurvana* Walker, *Platynota* 3732  
**condaliae** Busck, *Coptodisca* 245  
**condaliafoliella** Busck, *Stigmella* 97  
**condaliavorella** Busck, *Dichomeris* 2275  
**condignella** Busck, *Coleotechnites* 1802  
**confederata** Grote & Robinson, *Astala* 443  
**confederata** Grote, *Condica* 9714  
*confine* Hampson, *Nelphe* 8271  
*confinis* Druce, *Nelphe* 8271  
*confinisalis* Walker, *Phytometra* 8481  
*conflexana* Walker, *Ancylis* 3374  
*conflicta* Walker, *Metallata* 8573  
**conflictana** Walker, *Choristoneura* 3637  
*confluens* Morrison, *Orthosia* 10495  
*confluens* Oberthür, *Hypercompe* 8146  
*confusa* Hübner, *Morrisonia* 10521  
**confusa** McDunnough, *Zale* 8701  
*confusa* Walker, *Schizura* 8005  
*confusa* Worthington, *Catocala* 8801  
*confusalis* Hulst, *Asciodes* 5267  
**confusaria** Hübner, *Eusarca* 6941  
*confusaria* Walker, *Semiothisa* 6325.1  
*confusella* Dietz, *Pigritia* 1232  
**confusella** Walker, *Ethmia* 996  
*confusellus* Dyar, *Acrolophus* 373  
**confusus** Bell, *Thorybes* 3913  
*confusum* Rothschild, *Nelphe* 8271  
*congeminate* Zeller, *Xylesthia* 317  
*congesta* Walker, *Bagisara* 9168  
**conglomeratella** Zeller, *Cameraria* 816  
**congrua** Walker, *Spilosoma* 8134  
*congrua* Walker, *Spilosoma* 8137  
*congrualis* Walker, *Megalorhipida* 6104  
*congruata* Walker, *Synchlora* 7061  
*coniferaria* Packard, *Nemoria* 7048  
**coniferarum** J. E. Smith, *Lapara* 7816  
*coniferarum* Packard, *Thyridopteryx* 457  
*conjivorella* Hulst, *Acrobasis* 5686  
**conjugella** Zeller, *Argyresthia* 2449  
**connecta** Grote, *Acronicta* 9219  
*connexalis* Walker, *Omiodes* 5212  
*connexana* Walker, *Platynota* 3745  
**connubialis** Guenée, *Catocala* 8877  
*conscita* Walker, *Haploa* 8108 (f.)  
*consecutaria* Walker, *Scopula* 7169

- consepia* Walker, Macaria 6341  
*consimilata* Zeller, Macaria 6341  
*consimilis* H. Edwards, Carmenta 2596  
*consta* Dyar, Haploa 8108  
*consobrina* Guenée, Dysgonia 8724  
*consobrinella* Zeller, Glyptocera 5745  
*consocia* Walker, Condica 9698  
*consors* J. E. Smith, Catocala 8772  
*consortalis* Dyar, Carectocultus 5307  
*consortalis* Dyar, Dicymolomia 4890  
*conspecta* Riley, Amphipyra 9638  
*conspicua* Neumoegen, Pygarcia 8254  
*conspicua* Worthington, Catocala 8801 (f.)  
*conspicius* W. H. Edwards, Euphyes 4075 (p. 62)  
*constans* Hulst, Catocala 8864  
*constipata* Walker, Lacinipolia 10403  
*constricta* H. Edwards, Schinia 11135 (f.)  
*constrictana* Zeller, Sonia 3218  
*constrictella* Zeller, Theisoa 1722  
*consueta* Walker, Agrotis 10661  
*consularis* Dyar, Anisota 7718  
*contempta* Guenée, Argyrostromis 8756  
*contigua* Walker, Charadra 9189  
*continens* Dyar, Diatraea 5475  
*contingens* Walker, Prochoerodes 6982  
*continuaria* Walker, Scopula 7159  
*continuata* Walker, Macaria 6362  
*contorta* Guenée, Melipotis 8605  
*contortalis*.— auct., Lineodes 5106  
*contracta* Walker, Datana 7906  
*contracta* Walker, Metalectra 8500  
*contracta* Walker, Schinia 11135  
*contraria* Herrich-Schäffer, Micrathetis 9644  
*contrariella* Walker, Inga 1034  
*contrastanus* Kearfott, Henricus 3774  
*contubernalella* Fitch, Dichomeris 2281  
*contubernatella* auct., Dichomeris 2281  
*convalescens* Guenée, Caenurgia 8733  
*convectalis* Walker, Marasmia 5288  
*conviva* Harvey, Micrathetis 9644  
*convolutella*.— Hübner, Zophodia 5968  
*convolvulella* Heydenreich, Bedellia 466  
*convolvuli* Walsingham, Helcystogramma 2265.1  
*convolvuliella* Bruand, Bedellia 466  
*convoluta* Monroe, Zophodia 5968  
*coortaria* Hulst, Itame 6299  
*copelandi* Klotz, Microcrambus 5418  
*cora* Hübner, Cerna 9061  
*coracias* Guenée, Pseudanthracia 8683  
*coralina* Knudson & Bordelon, Aristotelia 1733.1  
*corallina* Walsingham, Aristotelia 1733.1  
*cordata* Ljungh, Callopietria 9633  
*cordata* Riley, Alcatheae 2623  
*corday* Hübner, Phoebis 4229  
*cordelia* H. Edwards, Catocala 8877 (f.)  
*cordiae* Busck, Ancyliis 3388  
*cornelius* Fabricius, Cylopsis 4573  
*cornix* Guenée, Pseudanthracia 8683  
*corollaria* Perry, Automeris 7746  
*coronaria* Strecker, Schidax 7656  
*coronata* Hufnagel, Phlytaetia 4953  
*crope* Stoll, Leucochroma 5210  
*cropealis* Guenée, Leucochroma 5210  
*corrivalis* Hübner, Leucochroma 5210  
*corruscippennella* Chambers, Coleophora 1387  
*corticea* Walker, Schizura 8005  
*corticinella* Snellen, Setomorphia 428  
*corusca* H. Edwards, Synanthedon 2549  
*coruscipennella* Clemens, Coleophora 1387  
*corusis* Evans, Thorybes 3913  
*coryliella* Chambers, Menesta 1030  
*corynetes* Diakonoff, Crocidosema 3274.1  
*coscinia* Herrich-Schäffer, Nyctelius 4123  
*cosmiodes* Walker, Anomis 8553  
*cosmion* Dyar, Meropon 9425  
*cozzalis* Walker, Bonchis 5564  
*cozzoides* Rothschild, Mouralia 8884  
*costaemaculalis* Snellen, Mimoschinia 4826  
*costalis* Walker, Anticarsia 8574  
*costalis* Walker, Ponometia 9115  
*costalis* Westwood, Erynnis 3947  
*costarufuella* Chambers, Dichomeris 2293  
*costimaculalis* Fernald, Deuterophya 5123  
*costipunctella* Möschler, Stegasta 2209  
*costirufella* Meyrick, Dichomeris 2293  
*costistrigella* Dietz, Nemapogon 266  
*costolutella* Chambers, Dichomeris 2302  
*costomaculana* Clemens, Pseudexentera 3257  
*costotristrigella* Chambers, Nemapogon 266  
*cottalis* Walker, Synclera 5196  
*coverdalella* Kearfott, Anacamptis 2234  
*coxei* Cadbury, Sphinx 7810 (f.)  
*crambidoides* Grote, Diatraea 5476  
*crambidoides*.— auct., Diatraea 5475  
*crameri* Holland, Ascia 4198  
*crameri* Ménétériès, Pachylia 7841  
*crameri* Schaus, Erinnyis 7836  
*crameri* Scudder, Polygonia 4420 (f.)  
*crantor* Cramer, Eumorphia 7861  
*crassata* Hulst, Glena 6450  
*crassicornella* Dietz, Holcocera 1178  
*crassifasciella* Ragonot, Nephopterix 5806  
*crassinervella* Slosson, Lactura 2405  
*crassisquamella* Hampson, Anabasis 5704  
*crassiuscula* Haworth, Caenurgina 8738  
*crassivenella* Zeller, Lactura 2405  
*crataegella* Barnes & McDunnough, Nephopterix 5806  
*crataegi* Boisduval & Leconte, Fenisea 4249  
*crataegi* Saunders, Catocala 8858  
*credibilis* Walker, Epidromia 8585.3  
*cremorica* Hampson, Peoria 6053  
*crenatilinea* Warren, Scopula 7156  
*crenulata* Barnes & McDunnough, Liopitilodes 6120  
*crenulata* Butler, Orthodes 10585  
*crenulata*.— Kimball, Mariana 6119.1  
*creola* Skinner, Enodia 4568.2 (p. 62)  
*creola*.— auct., Enodia 4568b  
*creonalis* Walker, Marasmia 5288  
*crepera* Harris, Prionoxystus 2693  
*crepida* Hodges, Dichomeris 2305.2  
*crepuscularia* [Denis & Schiffermüller], Ectropis 6597  
*crephontes* Cramer, Papilio 4170  
*crephontinus* Martyn, Papilio 4171  
*cressonella* Chambers, Psilocorsis 956  
*cressoni* Grote, Panopoda 8587  
*cressoni* Walsingham, Acrolophus 347  
*cressoniana* Clemens, Pseudexentera 3246  
*cretacea* Zeller, Inga 1035  
*cretacealis* Lederer, Parapoynx 4764  
*cretata* Grote, Norape 4650  
*cretata* J. B. Smith, Acronicta 9205  
*cribraria* Ljungh, Artace 7683  
*cribrataria* Guenée, Glena 6449  
*crinella* Treitschke, Tineola 426  
*crinisalis* Walker, Achyra 4975  
*crinitalis* Lederer, Achyra 4975  
*crispana* Clemens, Phaneta 2931  
*crispata* Packard, Lagoa 4644  
*cristata* Morrison, Homophoberia 9056  
*cristifasciella* Chambers, Arogalea 1851  
*critica* Forbes, Vaxi 5466  
*crocallata* Guenée, Tetracis 6963  
*crocataria* Fabricius, Xanthotrype 6743  
*croccapitella* Clemens, Monopis 415  
*croesus* Bleszynski, Microcrambus 5426  
*croesus* Dalman, Xylophanes 7887  
*crombrugheella* Dufrane, Galleria 5622 (ab.)  
*crossi* auct., Leptostales 7174  
*crossii* Hulst, Leptostales 7174  
*crotalariella* Busck, Brachyacma 2272  
*crotalariella* Busck, Syncopacma 2219  
*cruciferarum* Zeller, Plutella 2366  
*cruentaria* Hübner, Erastria 6705  
*cruralis* Guenée, Zanclognatha 8351  
*cryptolechiella* Chambers, Psilocorsis 956  
*crystallina* Meyrick, Helcystogramma 2265.1  
*cubalis* Schaus, Cecharismena 8530  
*cubana* Grote, Heterocampa 7984  
*cubana* Hampson, Mocis 8746.1  
*cubana* Warren, Oxydia 6968  
*cubanal* Guenée, Lygropia 5248  
*cubanal* Hampson, Azochis 5232  
*cubensis* Grote, Manduca 7780a  
*cubensis* Heinrich, Scorylus 5731.1  
*cubensis* Schaus, Nelphie 8271  
*cubilis* Grote, Psaphida 10016 (f.)  
*culculla* Kimball, Biselachista 1124  
*culculla* Braun, Biselachista 1124  
*culcullifera* Herrich-Schäffer, Dasylophia 7957  
*cucurbitae* Harris, Melittia 2536  
*cucurbitalis* Guenée, Diaphania 5207  
*cugia* Schaus, Scopula 7156  
*culea* Guenée, Ulolonche 10567  
*culicaria* Guenée, Cyclophora 7134  
*culiculis* Hulst, Parachna 5538  
*culta* Lintner, Pseudoplusia 8890  
*cunea* Drury, Hyphantria 8140  
*cunealis* Guenée, Melipotis 8599  
*cuneata* Goetz, Apantes 8171  
*cunegonda* Palisot de Beauvois, Hypercompe 8146  
*cunulæ* Dyar & Heinrich, Acrobasis 5685  
*cupedinaria* Grote, Synchlora 7064  
*cupentia* Cramer, Condica 9713  
*cupidaria* Grote, Nacophora 6763  
*cupidenaria* Dyar, Synchlora 7064  
*cuprea* Busck, Abrenthia 2336  
*cuprealis* auct., Aglossa 5517  
*cupressi* Boisduval, Isoparce 7791  
*cuprialis* Heinrich, Aglossa 5517  
*cuprina* Zeller, Aglossa 5518  
*cupressi* Eitschberger, Isoparce 7791  
*curassavicae* Fabricius, Danaus 4614  
*curcassi* Busck, Neurobathra 663.1  
*curema* J. B. Smith, Zale 8709  
*curialis* Walker, Hileithia 5187  
*curvalana* Kearfott, Croesia 3504  
*curvifascia* Brower, Catocala 8878.1 (f.)  
*curvifascia* Skinner, Papilio 4159a  
*curviferalis* Walker, Parapoynx 4762  
*curviliniella* Dietz, Homostinea 301  
*curvinella* Guenée, Cydosa 9001  
*curvipunctella* Walsingham, Ithome 1639  
*curvistrigaria* Herrich-Schäffer, Pero 6762  
*curvistrigella* Chambers, Telphusa 1858  
*cuspeida* Hübner, Euclidia 8731  
*custodiata*.— Warren, Costaconvexa 7416  
*cyamitis* Meyrick, Aethes 3816  
*cyanana* Murtfeldt, Hedyia 2864  
*cyanea* Guenée, Cydosa 9000  
*cyanonympha* Knudson & Bordelon, Cryphia 9286.1  
*cyanympa* Ferguson, Cryphia 9286.1  
*cybele* Fabricius, Speyeria 4450  
*cybira* Hewitson, Strymon 4345  
*cyclica* H. Edwards, Euchaetes 8238  
*cycloides* Guenée, Spodoptera 9665  
*cyclophora* Hampson, Lineodes 5109  
*cymela* Cramer, Megisto 4578  
*cymela* Cramer, Megisto 4578a  
*cymotoma* Meyrick, Cacocharis 2704  
*cynica* Guenée, Orthodes 10587  
*cynoglossum* H. Edwards, Hemaris 7855  
*cypraalis* Walker, Pleuroptya 5243  
*cyressaria* Grossbeck, Anacamptodes 6571  
*cyrillella* Costa, Euchromia 5454  
*cyrilli* Costa, Euchromia 5454  
*da* Dyar, Macaria 6405  
*dactylina* Grote, Acronicta 9203  
*dadeensis* Gatrell, Neonympha 4576  
*daeckalis* Haimbach, Nymphulidella 4753  
*daeckiana* Kearfott, Endothenia 2738  
*daira* Godart, Eurema 4243  
*dalera* Dyar, Davara 5732  
*dama* Guenée, Spragueia 9122  
*damastus* Godart, Callophrys 4318  
*dammersi* Gunder, Eurema 4242 (ab.)  
*dammersi* Heinrich, Nephopterix 5793  
*damnosa* Hodges, Cosmopterix 1492  
*damon* Stoll, Callophrys 4318  
*danae* Cramer, Historis 4545  
*dandum* Cramer, Enyo 7852  
*daona* Druce, Natada 4679  
*daphnis* Cramer, Speyeria 4450  
*daphnis* G. R. Gray, Papilio 4171  
*daphnoena* Dyar, Utetheisa 8105  
*dapifera* Hodges, Cosmopterix 1479  
*dapsilis* Grote, Eucloptocnemis 10696  
*darlingtoni* Lemmer, Tacparia 6805  
*dasconalis* Walker, Sitochroa 4986  
*dasioma* Diakonoff, Bactra 2707  
*daucus* Cramer, Hyles 7894  
*daunius* Herbst, Euptoieta 4447  
*daunus* auct., Euptoieta 4447  
*daunus* Cramer, Thorybes 3909  
*davisi* Grossbeck, Acrotodes 7148  
*dealbata* Manon, Lymantria 8318  
*dealbata* Strand, Zale 8714 (f.)

- debilis* Walker, Tarachidia 9090  
*debor*a Druce, Cecharismena 8532  
**deceptalis** Walker, Bomolocha 8446  
*decepta*na.—auct., Apotomis 2768  
*deceptiva* Barnes & Benjamin, Proserpinus 7874  
**deceptorium** Heinrich, Homocosoma 5944  
*deceptricalis* Zeller, Zanclognatha 8341  
*decernens* Walker, Agrotis 10664  
*decertaria* Herrich-Schäffer, Pterocypha 7299  
**decipiens** H. Edwards, Synanthedon 2571  
*decipiens* Riley, Prodoxus 200  
*decipiens* Staudinger, Etiella 5744 (f.)  
*decipiens* Walker, Malacosoma 7701  
*decipientella* Dyar, Nephopterix 5806  
*decisana* Walker, Olethreutes 2823  
*decisaria* Walker, Euchlaena 6726  
*deciusalis* Walker, Agdrius 5127  
**declarans** Walker, Zale 8691  
**decoctor** Hodges, Batrachedra 1416  
**decolor** Zeller, Ectomyelois 5722  
*decolora* H. Edwards, Agrius 7771 (var.)  
**decoloralis** Walker, Caristanius 5742  
**decoloraria** Hulst, Cepphis 6834  
*decolorata* Kimball, Agrius 7771  
*decora* Zeller, Dicymolomia 4889  
**decoralis** Hübner, Pangrapta 8490  
*decoralis* Hulst, Caristanius 5742  
*decorasella* Barnes & Busck, Antaeotricha 1016  
*decorata* Saunders, Apantesia 8171  
*decorata* Worthington, Catocala 8801 (f.)  
*decorella* Barnes & Busck, Antaeotricha 1016  
**decorella** Hulst, Paralipsa 5633  
**decorella** Zincken, Parapediasia 5450  
*decorellus* Hulst, Caristanius 5742  
**decorosa** Heinrich, Hystriophora 3398  
**decorosella** Busck, Antaeotricha 1016  
*deducta* Morrison, Bulia 8614  
**deductaria** Walker, Euchlaena 6735  
*deductaria* Walker, Tacparia 6805  
*deera* Druce, Streptopalia 5565  
*defectalis* Walker, Megalorhipida 6104  
**defectaria** Guenée, Anacamptodes 6586  
*defectella* Walker, Cadra 6022  
**definita** Packard, Orgyia 8314  
**deflexana** Heinrich, Epiblema 3178  
*deflorata*.—auct., Hypercompe 8146  
*defloriana* Martyn, Apantesia 8171  
*defluaria* Walker, Petrophora 6804  
*defluata* auct., Petrophora 6804  
*deformalis* Möschler, Rhectocraspeda 5157  
*degasalis* Kimball, Ophiuche 8459  
**degesalis** Walker, Ophiuche 8459  
*deia* Dyar, Zamagiria 5739  
**dejecta** Strecker, Catocala 8790  
*delaware* W. H. Edwards, Anatrityone 4051  
*deldonalis* Walker, Aglaonice 8375.4  
**delecta** Walker, Acontia 9146  
*delectalis* Hulst, Prionapteryx 5334  
**deleta** Guenée, Argyrostromis 8763  
*deleta* Herrich-Schäffer, Oligoria 4114  
*delia* Cramer, Eurema 4243a  
*delicata* Cassino, Scopula 7169  
**delicata** Munroe, Aethiophysa 4875  
**delicatella** Walsingham, Cosmopterix 1480  
**delilah** Strecker, Catocala 8835  
*delinquens* Walker, Mocis 8743  
*delinquens*.—auct., Epidromia 8585  
*delioides* Haskin, Eurema 4243a (f.)  
**delphinii** Boisduval, Euclaea 4697  
**deltoides** Möschler, Elaphria 9684.1  
*deluccae* Amsel, Praeacides 423  
*demaculata* Strand, Schinia 11132  
**demantrialis** Druce, Pyrausta 5018  
*dematricalis* Dyar, Sufetula 5120  
**demeter** Felder & Felder, Lycorea (p. 62)  
**demissana** Walsingham, Sparganothis 3703  
**demissaria** Hübner, Idaea 7114  
*demittens* Walker, Conidia 9696  
**democratica** Meyrick, Glyphidocera 1137  
*demoditus* Hübner, Eurema 4243a  
**demotella** Grote, 5674  
*dendraria* Guenée, Epimecis 6599 (f.)  
*denotata* H. Edwards, Paranthrene 2524  
**densa** Walker, Bellura 9526  
*densaria* Walker, Chlorochlamys 7071  
**densella** Zeller, Eoreuma 5492  
*dentata* R. Felder & Rogenhofer, Gonodonta 8542  
**dentella** Busck, Chionodes 2071  
*dentella* Fernald, Mesolia 5331  
*denticularia* Walker, Synchrona 7059  
**denticulata** Hulst, Phigalia 6659  
*denticulata* Walker, Hemeroplanis 8467  
*dentifera* Walker, Eutelia 8968  
*dentilinea* Hampson, Munroessa 4751  
*dentilineella* Hulst, Cacoelia 5586  
*dentosa* Grote, Omphalocera 5625  
*dentosella* Ragonot, Vitula 6007  
*denudata* Slosson, Hypercompe 8146  
*denudatum* Harris, Paranthrene 2522  
*depilis* Grote, Psaphida 10012 (f.)  
*deplanaria* Guenée, Hypagyrtis 6654  
**deplanaria** Walker, Euchlaena 6732  
**deploralis** Hampson, Desmia 5166  
*deplorans* Franclemont, Phigalia 6658 (f.)  
*deprivalis*.—H. Druce, Uresiphita 4992  
*deprivalis* Walker, Ufa 5895  
*deprivata* Walker, Chlorochlamys 7071  
*depunctata* Strand, Gabara 8523  
*derelecta* Powell, Eucosma 3120  
**derelicta** Heinrich, Eucosma 3120  
*derelictus* Meyrick, Megalorhipida 6104  
**deridens** Guenée, Charadra 9189  
*derogata* Walker, Anomis 8549  
*derupta* Morrison, Spodoptera 9672  
**desertana** Zeller, Epiblema 3190  
*deserticola* Oberthür, Trichoplusia 8887  
**designalis** Guenée, Agathodes 5240  
*designata* Walker, Schinia 11135  
**desmodiella** Clemens, Porphyrosela 843  
*desmodifoliella* Clemens, Caloptilia 644  
*desolataria* Herrich-Schäffer, Chlorochlamys 7071  
**desotanium** Heinrich, Cydia 3496  
*despecta* Meyrick, Praeacides 423  
*despectalis* Walker, Pyralis 5515  
*desperata* Guenée, Catocala 8792  
*destrigata* Kelemnsiewicz, Lymantria 8318  
*destructor* Stephens, Tineola 426  
*desuetella* Walker, Cadra 6022  
*determinataria* Walker, Trigrammia 6360  
**determinatella** Zeller, Triclonella 1527  
**detersata** Guenée, Tacparia 6807  
**detexta** Walker, Epimecis 6604  
*detrahens* Walker, Anticarsia 8574  
**detrahens** Walker, Lesmone 8651  
*detrecta* Walker, Conidia 9699  
**detrita** Guérin-Méneville, Orgyia 8313  
*detritalis* Guenée, Herpetogramma 5272  
*deutargiolus* Scudder, Celastrina 4363.1 (f.)  
**devilliers** Godart, Battus (p. 62)  
*devincta*.—Grossbeck, Paectes 8965  
**devotana** Kearfott, Olethreutes 2857  
*dextrana* McDunnough, Apotomis 2768  
**diabata** Dyar, Lipocoma 4882  
**diabolica** Barnes & Benjamin, Metalectra 8503  
*diana* Castiglioni, Hyalophora 7767  
**diana** Cramer, Speyeria 4449 (p. 62)  
**dianella** Dietz, Calosima 1169  
**diaphana** Drury, Greta (p. 62)  
**diasia** Fruhstorfer, Hamadryas 4542.1a  
**dicacula** Hodges, Cosmopterix 1481  
**dichromella** Walker, Epina 5468  
*dicryna* Walker, Actias 7758  
*didyma* Beauvois, Eacles 7704  
*dietzi* Gunder, Papilio 4176 (ab.)  
**dietziana** Kearfott, Rhopobota 3277  
*differalis* Walker, Bicilia 5271  
**differentialis** Dyar, Blepharomastix 5190  
*differentialis* Fernald, Epina 5468  
*differta* Morrison, Rhodoeia 11065  
*differtellum* Barnes & McDunnough, Homocosoma 5935  
**difficilis** Felder & Rogenhofer, Penthesislea 5554  
**diffinis** Boisduval, Hemaris 7855  
*diffissa* Grote & Robinson, Pyrausta 5069  
*diffissella* Zeller, Ancylostoma 5741  
**diffundens** Walker, Argyrostromis 8757  
*diffusa* Grote, Bellura 9523 (f.)  
*diffusa* Guenée, Semiothisa 6325.1  
**diffusa** J. B. Smith, Schinia 11183  
*diffusa* Walker, Numia 6699  
*diffusalis* Walker, Sphenarches 6090.1  
**diffusana** Kearfott, Eucosma 3116a  
**digitalis** Grote, Lemmeria 9429  
*digitalis* J. B. Smith, Schinia 11147  
**digna** Morrison, Euagrotis 10908  
*dilatifasciella* Ragonot, Laetilia 5949  
*dilativitta* Dyar, Zophodia 5968  
**dilucida** Morrison, Xestia 10967  
*diluculella* Grote, Pococera 5595  
**diluticostana** Walsingham, Sparganothis 3716  
*dilutifuscana* Walsingham, Orthotaenia 2770  
**dimediatella** Ragonot, Tampa 6028  
**dimidiata** Herrich-Schäffer, Pyromorpha 4639  
*dimidiata* Walker, Ponometa 9115  
*diminuatana* Kearfott, Ancyliis 3379  
**diminuendis** Barnes & McDunnough, Idia 8329  
*diminuenis* Knudson & Bordelon, Idia 8329  
**diminutalis** Snellen, Parapoynx 4765  
**diminutalis** Walker, Sufetula 5120  
**diminutana** Haworth, Ancyliis 3379  
*diminutiva* Graef, Holomelina 8122  
**dimorphella** Busck, Glyphidocera 1143  
*dimotalis*.—auct., Glaphyria 4870  
**dina** Poey, Eurema 4240  
*dinalda* J. B. Smith, Homohadena 10065  
*diogenes* Plötz, Erynnis 3956  
**dion** W. H. Edwards, Euphyes 4072  
*dione* Fabricius, Grammia 8199  
*dioptica* Meyrick, Platynota 3730  
**diospyriella** Chambers, Coptodisca 244  
*dioimealis* Walker, Achyra 4975  
**diphteralis** Geyer, Conchylodes 5290  
**diptheroides** Guenée, Leuconycta 9065  
*dircealis* Walker, Salbia 5287  
*directalis* Walker, Hyalorista 5077  
**directana** Walker, Sparganothis 3722  
*direptalis* Walker, Sphenarches 6090.1  
*dirutalis* Walker, Bonchis 5564  
**discalis** Grote, Metalectra 8499  
*discedalis* Möschler, Chalcoela 4896  
*discerpta* Walker, Antiblemma 8577 (f.)  
*discessalis* Walker, Samea 5151  
*discidens* R. Felder, Magusa 9637  
**disciferalis** Dyar, Pyralis 5512  
*discigerella* Ragonot, Ragonotia 5902  
*discipula* Meyrick, Eucosma 3110  
*discipunctella* Rebel, Setomorpha 428  
*discissa* Walker, Celiptera 8747  
**discludellus** Möschler, Microcrambus 5423  
**disclusa** Heinrich, Dioryctria 5847  
*discobolus* Bleszynski, Microcrambus 5423  
*discolor* Ferguson, Anisota 7723  
**discoloralis** Guenée, Renia 8381  
**discoocellula** Chambers, Chionodes 2072  
**discopunctana** Clemens, Coelostathma 3747  
*discopunctella* Dietz, Pigritia 1246  
**discretivana** Heinrich, Epiblema 3188  
*disertalis* Walker, Samea 5150  
*disippe* Godart, Limentis 4523  
*disippus* Boisduval & Leconte, Limentis 4523  
**dislocaria** Packard, Enconista 6419  
*dispar* Grote, Parapoynx 4759  
**dispar** Linnaeus, Lymantria 8318  
*disparatalis* Walker, Mursa 8477.1  
*disparilis* Herrich-Schäffer, Euscirrhopterus 9308.1  
*disparina* Müller, Lymantria 8318  
*disparoides* Gaschet, Lymantria 8318  
*dispartita* Walker, Bagisara 9168  
*dispersa* Herrich-Schäffer, Lerodea 4111  
**dispersa** J. Brown, Auratonota 3751.1  
*dissecta* Grote & Robinson, Acronicta 9251  
*dissectalis* Grote, Mecyna 5135  
*disseptalis* Walker, Ophiuche 8459  
*disserptaria* Walker, Epimecis 6599  
**disseverans** Walker, Mocis 8746  
*dissimilalis* Möschler, Ocrasa 5531  
*dissimilaria* Hübner, Erastria 6704 (f.)  
*dissocians* Walker, Pichodis 8750  
**disstria** Hübner, Malacosoma 7698  
*distacta* Hampson, Antiblemma 8579  
*distans* Gozmány, Niditinea 411  
**distema** Grote, Gabara 8523  
*distigma* Walsh, Sphingicampa 7709  
*distigmata* Walker, Eucosma 3116  
*distilla* Dyar, Metria 8666  
**distincta** Grote, Cutina 8729  
**distincta** Hübner, Achatia 10518  
**distincta** Walsingham, Sparganothis 3704

**distinguenda** Walker, Rifargia (p. 62)  
*distracta* Walker, Eutelia 8968.1  
**distribuaria** Hübner, Macaria 6336  
*disturbans* Walker, Melipotis 8598  
**diva** Riley, Hemerophila 2655  
*divaricata* Grote, Magusa 9637 (f.)  
*divergens* Walker, Lithacodes 4665  
*divergens* Walker, Schinia 11147  
**diversilineata** Hübner, Eulithis 7196  
*divida* Möschler, Magusa 9637  
**divisa** Herrich-Schäffer, Catabena 10038  
*divisa* Walker, Doryodes 8767  
**divisalis** Walker, Desmia 5162  
**divisana** Walker, Ancyliis 3375  
*divisaria* Walker, Ectropis 6597  
**divisata** Hübner, Petrophora 6803  
**divisata** Walker, Caripeta 6863  
*divistata* Kimball, Caripeta 6863  
*doctorium* Dyar, Anomis 8548  
*dodgei* Butler, Grammia 8194  
*dodgei* Gunder, Euptoieta 4447  
*dolabella* Zeller, Dichomeris 2302  
*dolens* Druce, Acronicta 9254  
**dolichos** Fabricius, Spodoptera 9671  
*dolichos* Hübner, Attilides 4270  
*dolichos* Matsumura, Sphenarches 6090.1  
**dollii** Neumoegen, Paranthrene 2523  
**dolosa** Franclemont, Xestia 10942.1  
*dolosa* Strecker, Schinia 11137  
*dolosalis* Möschler, Omiods 5212  
*domalis* Guenée, Aglossa 5517  
*domesticalis* Zeller, Pyralis 5510  
*domingellus* Schaus, Microcrambus 5423  
**domingonis** Butler, Erinnyis 7838  
**dominicaria** Guenée, Eucrostes 7070.1  
**dominickaria** Ferguson, Dasychira 8303  
**dominicki** A. Blanchard, Carectocultus 5309  
**dominicki** Duckworth & Eichlin, Synanthedon 2562  
**dominicki** Munroe, Scoparia 4720  
*donataria* Walker, Itame 6314  
**donatella** Walker, Chionodes 2072.1  
*dorae* Dyar, Unadilla 5948  
**dorantes** Stoll, Urbanus 3889  
*drippe* Godart, Colias 4209  
**doris** Boisduval, Grammia 8198  
**dormitans** Guenée, Baileya 8971  
*dormitrix* Guenée, Athyrma 8583  
**dorsalis** Walker, Leucania 10457.1  
*dorsilutea* Walker, Schinia 11116  
*dorsimaculana* Robinson, Aethes 3808  
*dorsimaculella* Chambers, Acrolepiopsis 2490  
*dorsipurpurana* Kearfott, Croesia 3503  
**dorsisignatana** Clemens, Eucosma 3116  
*dorsomaculella* Dietz, Pigritia 1232  
*dota* Schaufuss, Perigonia 7846  
**dotalis** Hulst, Ragonotia 5902  
**doubledayi** Guenée, Baileya 8969  
*doubledayi* Packard, Nadata 7915  
*doubledayi* Scudder, Heterocampa 7994  
*dracusalis* Walker, Microthyris 5263  
**drapeta** Hodges, Chionodes 2072.2  
**droozi** Neunzig, Ribua 6018.1  
**drumalis** Dyar, Argyractis 4770  
*drupacearum* Boisduval, Malacosoma 7698  
*druraei* Donovan, Agrius 7771  
**drusilla** Cramer, Appias 4190  
*drya* Fabricius, Phoebeis 4228a  
**dryadella** Hulst, Ocala 5914  
*dryas* Butler, Setomorpha 428  
*dryas* W. H. Edwards, Polygonia 4421 (f.)  
**dryopterata** Grote, Calledapteryx 7653  
**dubia** Walker, Spilosoma 8136  
*dubiosella* Beutenmüller, Plutella 2366  
**dubitans** Walker, Apamea 9367  
*dubitata* Zeller, Psilocorsis 956  
*dubitatrix* Meyrick, Phereocera 390  
*dubitella* Chambers, Dichomeris 2298  
*ducens* Walker, Feltia 10670  
*ducens* Walker, Schizura 8005  
*dudiosella* Heppner & Duckworth, Plutella 2366  
*dudiosella* Moriuti, Plutella 2366  
**dukesi** Lindsey, Euphyes 4074  
*dulciella* Hulst, Anadelosemia 5728  
*dulciella* Hulst, Honora 5925  
**dulcinella** Kaila, Dicranoctetes 1132.2  
*dunam* Carcasson & Heppner, Enyo 7852

*duodecemlineella* Chambers, Neurobathra 663  
**duovata** Bird, Papaipema 9465  
*duplicata* Neumoegen & Dyar, Haploa 8108  
*duplicata* Packard, Macaria 6386  
**duplicata** Sattler, Deltophora 1926  
*duplicata* Worthington, Catocala 8801  
*duplipuncta* Strand, Amolita 9819 (ab.)  
*duplipunctella* Ragonot, Amyeloidis 5724  
**duponchel** Poey, Cocytius 7773  
*duscalis* Franclemont, Lithophane 9887 (f.)  
*dyaralis* Fernald, Trischistognatha 4933  
**dyarella** Dietz, Amydria 333  
*dyarella* Ely, Acrobasis 5690  
**dyari** Busck, Hemerophila 2654  
*dyari* Cassino & Swett, Pero 6753  
*dyari* Gunder, Phyciodes 4481 (ab.)  
**dyariella** Busck, Chilocampyla 687  
*dyarii* Hulst, Hethemia 7084  
*dyaus* Grote, Pseudoplusia 8890  
*dymusalis* Walker, Etiella 5744  
**dyspteraria** Grote, Meskea 6085  
*ebalea*.– auct., Nystalea 7946  
*ebba* Schaus, Conica 9699  
**ebeli** Mutuura & Munroe, Dioryctria 5841.1  
*eboracensis*.– auct., Rhampura 1680.1  
*eboracensis*.– Kimball, Scythris 1659  
*eborata* Hulst, Acaasis 7635  
**ebriola** Hodges, Cosmopterix 1495  
**ebulealis** Guenée, Ategumia 5158  
*eburneata* auct., Ideia 7122  
**ecclesiialis** Guenée, Samea 5150  
*echinocystidis* Strecker, Trichoplusia 8887  
**echo** J. E. Smith, Seiractia 8130  
*echo* Rothschild, Estigmene 8131  
*edentella* Hulst, Diviana 5929  
*edithella* Busck, Atteva 2401  
**editrix** Guenée, Anomis 8553  
*edmandsae* Heinrich, Vitula 6007  
*edmandsi* Packard, Schizura 8007  
**edmandsii** Packard, Vitula 6007  
**edonis** Grote, Thaumtopsias 5438  
**eductalis** Walker, Lomanaltes 8455  
*edusa* Drury, Zale 8689 (f.)  
*edwardsii* Grinnell, Vanessa 4437a (ab.)  
*edwardsii* Beutenmüller, Synanthedon 2583 (var.)  
*edwardsii* Butler, Erinnyis 7832  
**edwardsii** Grote & Robinson, Satyrium 4281 (p. 62)  
*edwardsii* Grote, Lymire 8270  
*edwardsii*.– Kimball, Mariana 6119.1  
*effascinaris* Hulst, Eusarca 6933  
*effera* Meyrick, Helcystogramma 2265.1  
*efficialis* Walker, Pyrausta 5060  
*effusaria* Prout, Timandra 7147  
**egena** Guenée, Autoplusia 8891  
*egenaria* Walker, Cicinnus 7662  
*egenella* Herrich-Schäffer, Autoplusia 8894  
**egeremet** Scudder, Wallengrenia 4047  
**egle** Drury, Euchaetes 8238  
**eglenensis** Clemens, Pygarcia 8256  
*egressalis* Walker, Chalcoela 4896  
*ehrmanni* Ehrmann, Papilio 4159a (ab.)  
*ehrmanni* F. Chernock, Colias 4209 (ab.)  
*ehrmanni*.– McDunnough, Papilio 4176  
*ejectaria* Walker, Melanophia 6621  
*elaborans* Dyar, Gonodonta 8542  
**elathea** Cramer, Eurema (p. 62)  
*elathea*.– auct., Eurema 4243a  
*eldanaria* Walker, Eusarca 6933  
**elealis** Walker, Diame 5142  
*electa* J. B. Smith, Colocasia 9184  
**electellum** Hulst, Homoeosoma 5935  
**electilis** Morrison, Psaphida 10012  
**elegans** Clemens, Microcrambus 5420  
**elegans** Hodges, Walshia 1614  
*elegans* Hübner, Diphthera 8560  
*elegantalis* Fitch, Pangraptia 8490  
*elegantella* Hulst, Dioryctria 5841.1  
*elegantellus* Walker, Crambus 5372  
*elegantulus* Herrich-Schäffer, Callopietria 9630  
*eleucha* auct., Marpesia 4551  
*eleuche* auct., Marpesia 4551  
**eleuchea** Hübner, Marpesia 4551  
*elevais* Guenée, Polygrammodes 5230  
**elevata** Fabricius, Polygrammodes 5230  
**elfa** Ferguson, Nemoria 7029  
**elimata** Guenée, Xestia 10967

*elisabeta* J. B. Smith, Acronicta 9237 (f.)  
*elisata* Strecker, Archirhoe 7295  
*elizabeta* Barnes & McDunnough, Acronicta 9237  
**ella** Hulst, Homosassa 6068  
*elliotti* Pearsall, Euclea 4697 (f.)  
**ello** Linnaeus, Erinnyis 7834  
**eloisella** Clemens, Mompha 1443  
*elongata* Grote & Robinson, Macrurocampa 7975  
*elongatus* Grote, Celiptera 8747  
**elonympha** Hübner, Allotria 8721  
*elota* Möschler, Collomena 8982  
*elutalis*.– Strand, Hydriris 5127  
*elutea* Haworth, Ephestia 6021  
**elutella** Hübner, Ephestia 6021  
**elyella** Busck, Stathmopoda 1070  
*elyella* Dietz, Calosima 1181  
**elyi** Neunzig, Acrobasis 5666  
*elymi* Rambur, Vanessa 4435  
*emacareus* Plötz, Thespieus 4124 (p. 62)  
*emargataria* Guenée, Plagodis 6843  
**emblemella** Clemens, Holophysis 2255  
*emigrans* Meyrick, Helcystogramma 2265.1  
*emilia* H. Edwards, Catocala 8794  
**emphytiformis** Walker, Euhagena 2534  
**emptor** Hodges, Chionodes 2072.3  
**endymion** Fabricius, Electrostrymon (p. 62)  
*endymion*.– auct., Electrostrymon 4351  
*enegthenu* W. H. Edwards, Colias 4210  
**enervata** Guenée, Chortodes 9441  
*engelhardti* Lemmer, Catocala 8846 (f.)  
*engeli* Chernock & Chernock, Ceratomia 7787 (f.)  
**engeli** Dyar, Salebriaria 5773  
**enhydrys** Grote, Hexeris 6082  
**enigmata** Barnes & McDunnough, Itame 6299b  
*ennius* Scudder & Burgess, Erynnis 3947  
**ennomosaria** Walker, Pseudopanthera (p. 62)  
*enthealis* Hulst, Aglossa 5517  
*enucleata* Guenée, Scopula 7159 (f.)  
**eoides** Barnes & McDunnough, Sigela 8435  
**ephemeraeformis** Haworth, Thyridopteryx 457  
*ephestiaena* Hübner, Limenitis 4522a  
*ephestiella* Hampson, Ectomyeloides 5722  
*ephestion* Stoll, Limenitis 4522a  
*ephippiatus* Harris, Achaea 4700  
**ephyraria** Walker, Anacamptodes 6583  
*epichorda* Turner, Brachyacma 2272  
**epidaurus** Godman & Salvin, Papilio 4175a  
**epilais** Walker, Syntomeida 8284  
**epimenis** Drury, Psychomorpha 9309  
**epione** Drury, Catocala 8773  
*epionoides* Guenée, Pangraptia 8490  
*epopea* Cramer, Conica 9713  
*equitella* Dietz, Pigritia 1232  
**erasa** Guenée, Argyrostromis 8761  
**erastrioides** Guenée, Tarachidia 9095  
**erasus** Heinrich, Ephestiodes 6004  
*eratalis* Walker, Pyrausta 5044  
*erebus* Thierry-Mieg, Lymantria 8318  
**erechtea** Cramer, Caenurgina 8739  
*erechtiisella* McDunnough, Phyllocnistis 846  
*erechtiisella* Chambers, Phyllocnistis 846  
**erecta** Walker, Bagisara 9168  
**erecta** Walker, Lacinipolia 10403  
*erectalis* Guenée, Plathypena 8465  
**erectifascia** Dyar, Monoleuca 4689  
**eremiata** Guenée, Digrammia 6357  
**eremiata** Hulst, Ideia 7115  
*eresime* Godart, Danaus 4616  
**eresimus** Cramer, Danaus 4616  
**erianthis** Capps, Chilo 5471  
*ericata* Guenée, Syllectra 8584  
*erichto* Guenée, Caenurgina 8738  
*erichto* H. Edwards, Caenurgina 8738  
**eridania** Cramer, Spodoptera 9672  
**erigeronana** Riley, Carolella 3784  
*erilda* Schaus, Zale 8686  
*eriotbotryae* Busck, Holcocera 1178  
**eripalis** Grote, Stegea 4864  
*eriphyle* W. H. Edwards, Colias 4209 (f.)  
**ernestinana** Blanchard, Phytometra 8480  
*ernestinella* Turati, Cadra 6023  
*eros* W. H. Edwards, Limenitis 4523a  
*erosa* Hübner, Anomis 8545  
*erosa* Stretch, Malacosoma 7698  
*erosiata* Packard, Calledapteryx 7653  
*erosnealis* Walker, Pyrausta 5069 (var.)

- errans* Walker, Latebraria 8646  
*erransella* Chambers, Perimede 1623  
*erratella* Dietz, Pigritia 1232  
*erratica* Plötz, Poanes 4060  
*erronella* Zeller, Unadilla 5948  
*eruptalis* Lederer, Omiodes 5211  
*erycata* Cramer, Syllectra 8584  
*erythemaria* Guenée, Cabera 6677  
*erythrata* Hulst, Leptostales 7179  
*erythremaria* Forbes, Cabera 6677  
*erythrinella* Busck, Leucoptera 477  
*esor* Hodges, Chionodes 2072.4  
*espea* J. B. Smith, Schinia 11158 (p. 62)  
*esther* Barnes, Hypagyrtis 6655  
*estrella* Barnes & McDunnough, Mescinia 5934  
*esula* Druce, Neogalea 10032  
*ethlinus* auct., Calpodes 4115  
*ethlius* Stoll, Calpodes 4115  
*etiella* Treitschke, Etiella 5744  
*etolus* Boisduval, Hemaris 7853  
*eubule* Linnaeus, Phoebis 4228a  
*eucasis* Dyar, Fundella 5726  
*euchloraria* Guenée, Hethemia 7084  
*euclea* Bergsträsser, Phyciodes 4481  
*eudamidasalis* Druce, Diasemodes 5173.1  
*eudipta* Guenée, Spodoptera 9669  
*eudioplotides* Barnes & Benjamin, Spodoptera 9669  
*eudora* Dyar, Neoplynes 8101  
*eudoreella* Ragonot, Diviana 5929  
*eudoriella* Hulst, Diviana 5929  
*eufala* W. H. Edwards, Lerodea 4111  
*eugeniella* Busck, Antispila 235  
*eugeniella* Busck, Argysthia 2452  
*eumaea* Meyrick, Eucosma 3122  
*eupalusalis* Walker, Triuncidia 4942  
*eupatoriella* Chambers, Dichomeris 2302  
*eupatoriella* Dyar, Agonopterix 866  
*eupatorii* Fernald, Leiopitilus 6168  
*eupatorii* H. Edwards, Carmenta 2596  
*eupatoriella* Chambers, Agonopterix 866  
*euphaesalis* Walker, Palpita 5223  
*euphemella* Hulst, Pococera 5620  
*euphronopa* Meyrick, Sparganothis 3696  
*euprepes* Hodges, Dichomeris 2299.2  
*eureka* Schwarz, Catocala 8874 (f.)  
*eurinella* Zagulajev, Niditinea 411  
*europome*—Haworth, Colias 4209  
*europome*—Stephens, Colias 4209  
*eurydice* Linnaeus, Satyroides 4568.3 (p. 62)  
*euryrhoda* Hampson, Psychomorpha 9310  
*euryspoda* Lower, Setomorpha 428  
*eurytalis* Walker, Microthyris 5264  
*eurytalus* Butler, Strymon 4345  
*eurytheme* Boisduval, Colias 4210  
*eurythris* Godart, Megisto 4578  
*eurytis* dos Passos, Megisto 4578  
*eurytis* Fruhstorfer, Anartia 4444  
*eurytris* Fabricius, Megisto 4578  
*eurytus* Fabricius, Megisto 4578  
*eutalanta* Dyar, Nystalea 7946  
*euterpe* Herrich-Schäffer, Syntomeida 8282  
*euterpe*—auct. not Ménétries, Eurema 4237  
*evanescens* Dyar, Diatraea 5478  
*evanescentella* Dyar, Acrobasis 5668  
*evanida* Grote, Simyra 9280  
*evanidalis* Berg, Achyra 4974  
*evanidalis* Robinson, Hypena 8461  
*evarete* Cramer, Junonia 4442  
*evelina* French, Catocala 8794 (f.)  
*evinclalis* Möschler, Evergestella 4932  
*exacerbatricana* Heinrich, Epiblema 3183  
*exagiata* Walker, Orthonama 7414  
*examinata* Kardakoff, Lymantria 8318  
*exaphristus* Meyrick, Acrolophus 350  
*exasperatana* Zeller, Platynota 3743  
*excaecatus* J. E. Smith, Paonius 7824  
*excavans* Walker, Melipotis 8603  
*excavaria* Morrison, Plagodis 6843  
*excepta* Walker, Melipotis 8598  
*exesa* Rings & Rings, Elaphria 9682  
*excisa* Walker, Euclea 4697  
*excurvaria* Packard, Synchlora 7059  
*exemplata* Hodges, Walshia 1618  
*exesa* Guenée, Elaphria 9682  
*exhausta* Guenée, Zale 8684  
*exigua* Fabricius, Ponometia 9115  
*exigua* H. Edwards, Fulgoraacia 4701  
*exigua* Hübner, Spodoptera 9665  
*exilis* Grote, Acronicta 9242  
*eximia* Grote, Oligocentria 8012  
*exitiosa* Say, Synanthedon 2583  
*exogrammalis* Dyar, Omiodes 5214  
*exoptatella* Chambers, Diploschizia 2346  
*experimens* Walker, Ephyrodes 8582  
*explicata* McDunnough, Lacinipolia 10413  
*expressaria* Walker, Anacamptodes 6583  
*expuncta* Walker, Elaphria 9679  
*expunctaria* Grote, Nematocampa 7009  
*expunctaria*—Kimball, Nematocampa 7010  
*exquisita* Busck, Atteva 2401  
*exquisita* Möschler, Spodoptera 9668  
*exsanguinis* Kimball, Lochmaeus 7999a  
*exsanguis* Dyar, Lochmaeus 7999a  
*excindens* Walker, Mocis 8743  
*exserta* J. B. Smith, Renia 8384.1  
*exsiccata* Lederer, Tathorhynchus 8466  
*exsiccata* Zeller, Pediasia 5413  
*exsinuaria* Guenée, Probosc 6837  
*exsulella* Zeller, Acrobasis 5672  
*exsuperata* Walker, Hypagyrtis 6654  
*extahens* Walker, Trichoplusia 8887  
*extensa* Schaus, Acharia 4700.1  
*externa* Walker, Galgula 9688  
*externa* Walker, Spodoptera 9672  
*externalis* Warren, Sericoplaga 4991  
*extincta* Guenée, Leucania 10439  
*externalis* Grossbeck, Crambus 5369  
*extorralis* Hulst, Crambus 5369  
*extranea* Guenée, Pseudaetia 10438  
*extremalis* Schaus, Mimorista 5141  
*extremaria* Walker, Nemoria 7028  
*extremaria* Walker, Petrophora 6803  
*extricalis* Guenée, Nealgedonia 4956  
*extrinica* Dyar, Chorrera 5900.1  
*extrinica* Knudson & Bordenol, Chorrera 5900.1  
*exvagana* Walker, Epiblema 3172  
*f. abraxaria* Walker, Ectropis 6597  
*f. adriana* H. Edwards, Catocala 8857  
*f. aestiva* W. H. Edwards, Phyciodes 4480  
*f. aholah* Strecker, Catocala 8873  
*f. alayoi* de la Torre C., Nathalis 4248  
*f. alba* F. Chermock, Colias 4209  
*f. alba* Röber, Colias 4209  
*f. alba* Strecker, Colias 4209  
*f. alba* Strecker, Colias 4210  
*f. alba* Strecker, Eurema 4237  
*f. albarithe* F. M. Brown, Phoebis 4231a  
*f. albida* Avinoff, Nathalis 4248  
*f. albida* F. Chermock, Colias 4209  
*f. albina* Poey, Eurema 4243a  
*f. albinic* Skinner, Colias 4209  
*f. albomarginata* Cassino, Catocala 8794  
*f. albopunctata* Tepper, Hypena 8461  
*f. albosuffusa* H. A. Freeman, Thorybes 3910  
*f. alunatus* Skinner & Aaron, Papilio 4159a  
*f. andriaesta* F. Johnson & W. P. Comstock, Anaea 4554  
*f. annettearia* Haimbach, Haematopis 7146  
*f. anthyale* Hübner, Colias 4209  
*f. apicalis* Guenée, Dysgonia 8725  
*f. approximata* Stretch, Grammia 8196  
*f. arizonensis* Skinner, Polygonus 3872  
*f. arrogaria* Hulst, Plagodis 6843  
*f. atarah* Strecker, Catocala 8876  
*f. atlantis* Nakahara, Limenitis 4522a  
*f. atrescens* Hulst, Nacophora 6763  
*f. atrimacula* J. B. Smith, Renia 8384.1  
*f. atrior* Franclemont, Acronicta 9241  
*f. autumnalis* Cockerell, Colias 4209  
*f. autumnalis* Cockerell, Colias 4210  
*f. badiaria* H. Edwards, Coryphista 7290  
*f. balteata* Scudder, Callophrys 4325  
*f. belmaria* Ehrmann, Holomelina 8118  
*f. blatchleyi* Haimbach, Metria 8666  
*f. borealis* J. B. Smith, Psaphida 10016  
*f. boweri* Chermock & Chermock, Lochmaeus 7999  
*f. bridwelli* Brower, Catocala 8859  
*f. browni* Field, Phoebis 4228a  
*f. brunneochracea* Strand, Eucirroedia 9952  
*f. canadensis* J. B. Smith, Acronicta 9205  
*f. carbonaria* Haimbach, Epimecis 6599  
*f. carbonita* Franclemont, Amphipyra 9638  
*f. carolina* Pavulaan, Brepidium 4354a  
*f. celia* H. Edwards, Catocala 8857  
*f. cinerea* Mayfield, Catocala 8847  
*f. cinereofrons* Packard, Schizura 8005  
*f. cinerosa* Grote & Robinson, Pyrausta 5070  
*f. ciocolatina* Draudt, Boryzops 8643  
*f. circe* Strecker, Catocala 8851  
*f. citrinaria* Neumoegen & Dyar, Grammia 8197  
*f. clara* Harvey, Elaphria 9676  
*f. cleis* Cassino, Catocala 8786  
*f. columboides* Franclemont, Acronicta 9236  
*f. combinata* Walker, Panopoda 8587  
*f. concolorata* Barnes & Benjamin, Amyna 9069  
*f. conscita* Walker, Haploa 8108  
*f. conspicua* Worthington, Catocala 8801  
*f. constricta* H. Edwards, Schinia 11135  
*f. cordelia* H. Edwards, Catocala 8877  
*f. coxeyi* Cadbury, Sphinx 7810  
*f. crameri* Scudder, Polygonia 4420  
*f. cubilis* Grote, Psaphida 10016  
*f. curvifascia* Brower, Catocala 8878.1  
*f. dealbata* Strand, Zale 8714  
*f. decipiens* Staudinger, Etiella 5744  
*f. decorata* Worthington, Catocala 8801  
*f. delioides* Haskin, Eurema 4243a  
*f. dendraria* Guenée, Epimecis 6599  
*f. depilis* Grote, Psaphida 10012  
*f. deplorans* Franclemont, Phigalia 6658  
*f. deutargiolus* Scudder, Celastrina 4363.1  
*f. diffusa* Grote, Bellura 9523  
*f. discerpta* Walker, Antiblemma 8577  
*f. dissimilaria* Hübner, Erastria 6704  
*f. divaricata* Grote, Magusa 9637  
*f. dryas* W. H. Edwards, Polygonia 4421  
*f. duscalis* Franclemont, Lithophane 9887  
*f. edusa* Drury, Zale 8689  
*f. elisabeta* J. B. Smith, Acronicta 9237  
*f. ellioti* Pearsall, Euclea 4697  
*f. engelhardtii* Lemmer, Catocala 8846  
*f. engeli* Chermock & Chermock, Ceratomia 7787  
*f. enucleata* Guenée, Scopula 7159  
*f. eriphyle* W. H. Edwards, Colias 4209  
*f. eureka* Schwarz, Catocala 8874  
*f. evelina* French, Catocala 8794  
*f. fasciata* J. B. Smith, Psaphida 10016  
*f. fasciventris* Engelhardt, Paranthrene 2523  
*f. felicia* Poey, Nathalis 4248  
*f. ferrugineoides* Guenée, Sunira 9957  
*f. flava* Barnes & Benjamin, Holomelina 8118  
*f. flavescens* Closs, Darapsa 7886  
*f. flavipennis* Barnes & Benjamin, Macristis 8403  
*f. flavosignata* Closs, Aellopos 7850  
*f. floraesta* F. Johnson & W. P. Comstock, Anaea 4553a  
*f. florida* Dannehl, Trichoplusia 8887  
*f. floridensis* Holland, Eurytides 4184  
*f. foeminalis* Dyar, Parapoxyn 4759  
*f. fulvia* Dodge, Vanessa 4434  
*f. fulvicosta* Clemens, Haploa 8108  
*f. fumataria* Minot, Ectropis 6597  
*f. fumosa* Morrison, Simyra 9280  
*f. fumosa* Strecker, Spilosoma 8137  
*f. fusca* Harvey, Litodonta 7968  
*f. geometralis* Grote, Hemeroplanis 8467  
*f. gisela* Meyer, Catocala 8876  
*f. grandimacula* Dognin, Polygrammodes 5230  
*f. guyasuta* F. Chermock & R. Chermock, Acronicta 9248  
*f. helicta dadeensis* Gatrell, Neonympha 4576  
*f. hero* Hulst, Catocala 8876  
*f. hiemalis* W. H. Edwards, Phyciodes 4480  
*f. hiseri* Cassino, Catocala 8874  
*f. hubbardiana* Dyar, Exyra 8905.3  
*f. hugoi* Chermock & Chermock, Heterocampa 7994  
*f. huron* Engelhardt, Vitacea 2530  
*f. iaspis* Guenée, Chytonix 9556  
*f. igna* Barnes & Benjamin, Tricholita 10627  
*f. imitella* Stretch, Cydosia 8999  
*f. immaculata* Field, Nathalis 4248  
*f. immaculata* McDunnough, Exyra 8905.3  
*f. immaculata* Whittaker & D. Stallings, Eurema 4237  
*f. impunctata* Rothschild & Jordan, Erinnyis 7833  
*f. inornata* Nakahara, Limenitis 4522a  
*f. insolita* Grote, Acronicta 9272  
*f. insularis* Pavulaan & Gatrell, Brepidium 4354a  
*f. interjecta* Dyar, Euclea 4697  
*f. intermedia* Strecker, Celastrina 4363

- f. irene* Fitch, Nathalis 4248  
*f. irrorata* Packard, Oreta 6255  
*f. isabella* H. Edwards, Catocala 8873  
*f. jucunda* Boisduval & Leconte, Eurema 4243a  
*f. keetenai* Cockle, Colias 4210  
*f. kirtlandi* Field, Libytheana 4410  
*f. krautwormi* F. Chermock, Acronicta 9257  
*f. lanice* Lintner, Kricogonia 4235  
*f. lapidaria* Haimbach, Zale 8700  
*f. lbostigma* Cockerell, Anomis 8550  
*f. lecontei* Rothschild & Jordan, Eurytides 4184  
*f. lenneri* Mayfield, Catocala 8847  
*f. linea* Fabricius, Spodoptera 9672  
*f. lucimargina* Scott, Celastrina 4363  
*f. lucinda* Beutenmüller, Catocala 8857  
*f. lunatoides* Strand, Zale 8689  
*f. luteocosta* Franclemont, Lithophane 9887  
*f. luteolus* Reakirt, Nathalis 4248  
*f. major* B. P. Clark, Perigonia 7846  
*f. major* Dufrane, Achroia 5623  
*f. majuscula* H. Edwards, Cydosis 8999  
*f. marcia* W. H. Edwards, Phyciodes 4481  
*f. marita* Schaus, Antiblemma 8577  
*f. masculinalis* Dyar, Parapoynx 4759  
*f. mediosuffusa* Strand, Lacinipolia 10411  
*f. meinersi* Field, Everes 4361  
*f. melanic* Skinner, Colias 4209  
*f. melanippe* Stoll, Phoebis 4229  
*f. melanopyga* Grote, Bellura 9523  
*f. melanotica* Reiff, Catocala 8878.1  
*f. mellitula* Hulst, Catocala 8874  
*f. mephistaria* Reiff, Phigalia 6658  
*f. metalomus* Mayfield, Catocala 8846  
*f. mildredae* Franclemont, Catocala 8798  
*f. minereoides* Strand, Zale 8697  
*f. miscellus* J. B. Smith, Phosphila 9619  
*f. miscidice* Scudder, Colias 4209  
*f. misera* Grote, Oligia 9406  
*f. modestalis* Dyar, Zanclognatha 8345  
*f. modiola* Grote, Oligia 9406  
*f. montanus* Cook, Euxoa 10731  
*f. montivagus* Reakirt, Pyrgus 3968  
*f. nasturtii* W. H. Edwards, Pontia 4192  
*f. nereia* Boisduval, Grammia 8198  
*f. nerissa* H. Edwards, Catocala 8878  
*f. nervosa* Neumoegen & Dyar, Grammia 8199  
*f. nig* Strecker, Colias 4209  
*f. nigra* Amsel, Dichogama 4790  
*f. nigra* F. H. Chermock, Macrurocampa 7975  
*f. nigraria* Forbes, Caripeta 6863  
*f. nigrescens* Cassino, Catocala 8857  
*f. nigridice* Scudder, Colias 4209  
*f. nigrina* Strecker, Colias 4209  
*f. nigrosparsata* Draudt & Gaede, Orodessa 8644  
*f. nigrosuffusana* Strand, Charadra 9189  
*f. normani* Bartsch, Catocala 8801  
*f. oblitterata* Grote, Leuconycta 9065  
*f. oblitterata* Schwarz, Catocala 8874  
*f. obscura* Draudt, Catocala 8843  
*f. obscura* Stretch, Holomelina 8118  
*f. obsoleta* Grote, Argyrostrotis 8762  
*f. obsoleta* J. B. Smith, Zanclognatha 8345  
*f. obsoleta* Niepelt, Phoebis 4229  
*f. obsoleta* Worthington, Catocala 8801  
*f. obsoletatunulata* Tutt, Celastrina 4363.1  
*f. ochracea* Beutelspacher, Papilio 4175a  
*f. ochreg* Grote, Caenurgina 8738  
*f. olivacea* Grote, Hypena 8461  
*f. opaca* Barnes & Benjamin, Gluphisia 7931  
*f. orbiferella* Strand, Magasa 9637  
*f. orinella* Strand, Cosmia 9815  
*f. orinula* Strand, Cosmia 9815  
*f. osleri* Engelhardt, Paranthrene 2524  
*f. osyka* W. H. Edwards, Polites 4045  
*f. osyka* W. H. Edwards, Euphyes 4078a  
*f. osyka* W. H. Edwards, Lerodea 4111  
*f. paenulata* Clemens, Euclea 4697  
*f. pallens* Whittaker & D. Stallings, Eurema 4242  
*f. pallida* Closs, Agrius 7771  
*f. pallida* Closs, Eumorphia 7864  
*f. pallida* Cockerell, Colias 4210  
*f. pallida* Cockerell, Phoebis 4228a  
*f. pallida* dos Passos, Eurema 4243a  
*f. pallida* Fruhstorfer, Siproeta 4446a  
*f. pallida* Röber, Polygonus 3872  
*f. pallidice* Scudder, Colias 4209  
*f. pallidula* Klotz, Eurema 4243a  
*f. palumbes* Franclemont, Venusia 7428  
*f. pampinella* Strand, Euciroedra 9952  
*f. parva* Blackmore, Caenurgina 8739  
*f. parvula* W. H. Edwards, Catocala 8874  
*f. paulina* H. Edwards, Catocala 8794  
*f. pennsylvanica* J. B. Smith, Euthyatira 6240  
*f. percolens* Franclemont, Acronicta 9225  
*f. pometella* Harris, Dichomeris 2281  
*f. pretiosa* Lintner, Catocala 8858  
*f. proserpina* Scudder, Asterocampa 4562.1a  
*f. prunata* Barnes & Benjamin, Acronicta 9240  
*f. pseudoamericanus* F. M. Brown, Papilio 4159a  
*f. psyche* Boisduval & Leconte, Parrhasius 4335  
*f. pulverulenta* Brower, Catocala 8877  
*f. purpuratus* Gunder, Limenitis 4522a  
*f. querceti* Herrich-Schäffer, Euclea 4697  
*f. regalis* Wyatt & Beer, Papaipema 9482  
*f. relevata* Swett, Scopula 7159  
*f. reversata* Dyar, Zanclognatha 8345  
*f. rosa* McNeill, Zerene 4224  
*f. rosea* Röber, Zerene 4224  
*f. roseicosta* Guenée, Panopoda 8587  
*f. rubiginosa* Bird, Papaipema 9472  
*f. rubricosta* Guenée, Panopoda 8587  
*f. rufoirrorata* Strand, Lacinipolia 10411  
*f. ruperti* McDunnough, Zale 8704  
*f. santanas* Hodges, Catocala 8801  
*f. satanas* Reiff, Catocala 8801  
*f. saundersi* Bethune, Zale 8689  
*f. schmalzriedi* Lemmer, Acronicta 9254  
*f. scintillans* Grote & Robinson, Catocala 8770  
*f. sectilis* Guenée, Morrisonia 10511  
*f. selecta* Walker, Catocala 8834  
*f. semipurpurea* Walker, Phytometra 8481  
*f. serrata* F. Chermock, Colias 4209  
*f. set* Barnes & Benjamin, Acronicta 9264  
*f. similana* J. B. Smith, Acronicta 9205  
*f. simplex* Guenée, Anagrapha 8924  
*f. simplex* Stretch, Grammia 8197  
*f. simplicissima* Bird, Parapamea 9463  
*f. snoviararia* Packard, Mellila 6322  
*f. sobria* Walker, Scopula 7169  
*f. sordida* Grote, Eucroptocnemis 10694  
*f. stainkeae* Field, Zerene 4224  
*f. stigma* J. B. Smith, Psaphida 10016  
*f. stretchii* Grote, Grammia 8196a  
*f. subampliata* Dufrane, Papilio 4159a  
*f. subaquila* Harvey, Microthetis 9644  
*f. subatomaria* Wood, Hypagyrtis 6654  
*f. submediana* Strand, Chytonix 9557  
*f. subviridis* Harvey, Catocala 8787  
*f. suffusa* Beutenmüller, Catocala 8878  
*f. sylvanoides* Boisduval, Atalopedes 4049  
*f. telifer* Grote, Schizura 8005  
*f. tildeni* Field, Limenitis 4522a  
*f. timandra* H. Edwards, Catocala 8876  
*f. transversata* J. B. Smith, Acronicta 9205  
*f. tristis* Closs, Xylophanes 7887  
*f. tritealis* Walker, Condylorrhiza 5215  
*f. umbella* Barnes & Benjamin, Catocala 8835  
*f. umbripennis* Grote, Zale 8695  
*f. umbrosa* Lintner, Polygonia 4420  
*f. umbrosa* Worthington, Catocala 8801.1  
*f. una* Strecker, Oligia 9406  
*f. unicolor* Godman & Salvin, Kricogonia 4235  
*f. uniformis* Morrison, Zale 8691  
*f. unilineata* Chermock & Chermock, Euparthenos 8719  
*f. varia* Walker, Elaphria 9681  
*f. vernalis* W. H. Edwards, Pontia 4192  
*f. viridiclava* Walker, Euclea 4697  
*f. viridis* Cockerell, Papilio 4159a  
*f. viridis* Strecker, Limenitis 4522a  
*f. viridis* Whittaker & D. Stallings, Nathalis 4248  
*f. vogli* Daniel, Manduca 7782  
*f. vulgiva* Morrison, Oligia 9406  
*f. walshii* W. H. Edwards, Eurytides 4184  
*f. westcottii* Grote, Catocala 8844  
*f. xanthophila* Röber, Kricogonia 4235  
*f. ypsilonnigrum* Bryk, Agrius 7771  
*f. yreka* Reakirt, Pieris 4197  
*f. zelica* French, Catocala 8794  
*f. fabicola* Meyrick, Aethes 3862  
*f. fabrefacta* Morrison, Condicta 9699  
*f. fabricii* W. H. Edwards, Polygonia 4420  
*f. fabricii*.- Kirby, Satyrium 4281 (p. 62)  
*faceta* H. Edwards, Drasteria 8618  
*facitalis*.- auct., Pyrausta 5040  
*factaria* Walker, Numia 6699  
*factiosalis* Walker, Renia 8379  
*fadus* Cramer, Aellopos 7850  
*fagella* Busck, Trypanisma 1841  
*faginella* Chambers, Psilocorsis 956  
*fahlbergiana* Thunberg, Cydia 3482  
*fakahatcheensis* Gatrell, Papilio 4181  
*falacer* Godart, Satyrium 4282b  
*falcata* Braun, Perimede 1632  
*falcata* Hodges, Siskiuitia 1589  
*falcifera* Kirby, Anagrapha 8924  
*falcigera* Walker, Anagrapha 8924  
*fallacialis* Walker, Renia 8381  
*fallax* Herrich-Schäffer, Agriopodes 9281  
*falsarius* Clemens, Acolithus 4629  
*famelica* Guenée, Melipotis 8604  
*famelica* Walker, Elousa 8644.1  
*fannia*.- Barnes & McDunnough, Ozarba 9030  
*fantasia* Butler, Kricogonia 4235  
*farinalis* Linnaeus, Pyralis 5510  
*farrella* Powell, Ethmia 998  
*fascialis* Haworth, Mimoschinea 4826  
*fascialis* Walker, Palpita 5226  
*fascialis*.- auct., Spoladea 5170  
*fasciata* Beutenmüller, Euparthenos 8719  
*fasciata* Grote & Robinson, Dysodia 6078  
*fasciata* J. B. Smith, Metallata 8573  
*fasciata* J. B. Smith, Psaphida 10016 (f.)  
*fasciata* Lambillion, Lymantria 8318  
*fasciata* Neunzig, Salebriaria 5777.5  
*fasciata* Schneider, Lymantria 8318  
*fasciata* Strand, Lymantria 8318  
*fasciata* Sulzer, Eumorphia 7865  
*fasciata* Swainson, Erinnyis 7832  
*fasciata*.- Rebel, Lymantria 8318  
*fasciatana* Clemens, Olethreutes 2823  
*fasciatella* Grote, Fruva 9102  
*fascicularis* Guenée, Melipotis 8599  
*fasciella* Fernald, Leptosteges 5300  
*fasciola* Herrich-Schäffer, Lithacodes 4665  
*fasciolaris* Hübner, Melipotis 8599  
*fasciolaris* Rings & Rings, Melipotis 8599  
*fasciventris* Engelhardt, Paranthrene 2523 (f.)  
*fascomaculella* Dietz, Nemapogon 266  
*fastidiosa* Meyrick, Phaneta 2928  
*fastidiosa* Strecker, Schinia 11105  
*fastuosa* Guenée, Diphthera 8560  
*fastuosa* Zeller, Atteva 2401  
*fatifera* Hodges, Synanthedon 2555  
*fatima* Fabricius, Anartia 4445 (p. 62)  
*faulalis* Walker, Munroessa 4749  
*favillana* Walker, Nycteola 8975  
*favillifera* Walker, Lobocleta 7094  
*favonius* J. E. Smith, Fixsenia 4331  
*favonius* J. E. Smith, Fixsenia 4331a  
*fax* Grote, Exyra 8905.1  
*februa* Hübner, Hamadryas 4542 (p. 62)  
*fecialis* Grote, Bomolocha 8443  
*fegas* Ménétriés, Enyo 7851  
*fegeus* Cramer, Enyo 7851  
*felicia* Poey, Nathalis 4248 (f.)  
*felicitana* Heinrich, Pammene 3419  
*feliculella* Dyar, Canarsia 5926  
*felina* Herrich-Schäffer, Spragueia 9124  
*fenestra*.- Perry, Antheraea 7757  
*fenestralis* Hübner, Epipagis 5147  
*fenyesella* Dietz, Pigritia 1246  
*ferax* Hodges, Ithome 1640  
*fergusoni* Solis, Epidromia 8585  
*fernaldana* Busck, Carposina 2315  
*fernaldana* Walsingham, Aethes 3754  
*fernaldaria* Hulst, Ectropis 6597  
*fernaldella* Kearfott, Thaumatoopsis 5441  
*fernaldella*.- Kearfott, Thaumatoopsis 5443  
*fernaldi* Grote, Tacparia 6806  
*fernaldi* Munroe, Deuterophya 5123  
*feronia* Stephens, Ascia 4198  
*ferox* Walker, Syntomeida 8282  
*ferraria* Walker, Acherdoa 9636  
*ferreana* Busck, Sparganothis 3720  
*ferricasta* J. B. Smith, Schinia 11128  
*ferricosta* McDunnough, Schinia 11128  
*ferrifuscalis* Hampson, Deuterolylta 5582  
*ferrigera* Walker, Adoneta 4685  
*ferrugalis*.- auct., Udea 5079

- ferrugata* Packard, Idaea 7114  
*ferruginea* J. B. Smith, Azeta 8575  
*ferruginea* Packard, Euclea 4697  
*ferruginea* Packard, Peridea 7921  
*ferruginea* Walker, Gulgula 9688  
*ferruginella* Ragonot, Eulogia 5999  
*ferrugineoides* Guenée, Sunira 9957 (f.)  
*ferruginosa* Zeller, Psilocorsis 957  
*ferruminaria* Zeller, Leptostales 7180  
*fervidana* Walker, Archips 3662  
*fervidaria* Herrich-Schäffer, Plagodis 6843  
*fervidaria* Hübner, Lambdina 6894  
*fessa* Grote, Amolita 9818  
*fessa* Hodges, Periploca 1578  
*festa* Guenée, Cerma 9061  
*festa* H. Edwards, Erinnyis 7838  
*festa* Hulst, Macaria 6335  
*festiva* Fabricius, Diphthera 8560  
*festivoides* Guenée, Elaphria 9681  
*festus* Geyer, Autochton 3902  
*feudalis* Grote, Herpetogramma 5279  
*fictilis* Guenée, Zale 8687  
*ficulella* Barrett, Cadra 6023  
*ficus* Linnaeus, Pachylia 7841  
*fidelis* Grote, Himella 10502  
*fidelissima* Herrich-Schäffer, Composia 8038  
*fidonaria* Walker, Hypagyrtis 6654  
*figulella* Curran, Cadra 6023  
*figuliella* Forbes, Cadra 6023  
*figulilella* Gregson, Cadra 6023  
*filamentaria* Guenée, Nematocampa 7009  
*filaria* J. B. Smith, Antiblemma 8578  
*filaria* Walker, Protoboaemia 6598  
*filicornis* Guenée, Hypocala 8642  
*filifera* Walker, Collomena 8982  
*filiolella* Hulst, Atheloca 5734  
*fimbriago* Stephens, Anomis 8546a  
*fimbriaris* Guenée, Eucrotopocnemis 10694  
*fimbrilla* Thunberg, Dichomeris 2282  
*finis* J. B. Smith, Euxoa 10805  
*finitella* Walker, Tulsa 5809  
*finitimana* Heinrich, Rhopobota 3278  
*fiscellaria* Guenée, Lambdina 6888  
*fiskeana* Kearfott, Eucosma 3129  
*fiskeanus* Dyar, Lithacodes 4663  
*fiskeella* Busck, Scardia 311  
*fiskella* Dyar, Laetilia 5953  
*fistuca* Hodges, Dichomeris 2295.1  
*fitchella* Clemens, Phyllonorycter 752  
*fitchi* Dalla Torre & Strand, Synanthedon 2583  
*fitchii* H. Edwards, Synanthedon 2583 (var.)  
*flabella* Grote, Paectes 8959  
*flabella*.– auct., Paectes 8959.1  
*flaccidana* Robinson, Archips 3653  
*flagitaria* Guenée, Lambdina 6888  
*flagrata* Walker, Dysodia 6081  
*flammae* Neumoegen, Grammia 8191  
*flammicincta* Walker, Eublemma 9078  
*flava* Barnes & Benjamin, Holomelina 8118 (f.)  
*flava* Fabricius, Anomis 8546  
*flava* Grote, Antheraea 7757  
*flava* Strecker, Colias 4210  
*flava* Strecker, Eurema 4242 (ab.)  
*flavalis* Dognin, Banisia 6087  
*flavedana* Clemens, Platynota 3732  
*flaveola* Mabilie, Atalopedes 4049  
*flavescens* Closs, Darapsa 7886 (f.)  
*flavescens* Hulst, Idaea 7115  
*flavicans* Goeze, Erinnyis 7832  
*flavicapilla* Möschler, Glymipis 8478  
*flavicollis* Walsingham, Cydia 3482  
*flavicornis* J. B. Smith, Colocasia 9184  
*flavicosta* Draudt, Cisthene 8067  
*flavicostella* Fernald, Leptosteges 5301  
*flavida* Skinner, Anthocharis 4207  
*flavidalis* Grote, Catocala 8770 (ab.)  
*flavidalis* Guenée, Polygrammodes 5228  
*flavidissimalis* Grote, Loxomorpha 5155  
*flavifascialis* Barnes & McDunnough, Leptosteges 5302  
*flavifrontella* Clemens, Scythris 1652  
*flavifrontella*.– auct., Tinea 405  
*flavifrontella*.– auct., Tinea 426  
*flavigutta* Walker, Amyna 9070  
*flaviguttata* Grote, Hyperstrotia 9039  
*flavilineata* Hampson, Epidromia 8585.3  
*flavilineata* Riley, Chlorochlamys 7071  
*flavimaculata* Walker, Spodoptera 9665  
*flavimedia* Harvey, Spodoptera 9669  
*flavipennis* Barnes & Benjamin, Macristis 8403 (f.)  
*flavipes* Hulst, Pennisetia 2513  
*flavipicta* Hampson, Ragonotia 5902  
*flavipunctalis* Barnes & McDunnough, Microcausta 5456  
*flavipunctalis* Geyer, Renia 8384.1  
*flaviscapula* J. B. Smith, Euxoa 10805  
*flavistriaria* Hübner, Argyrostromis 8759  
*flavitincta* Nixon, Smerinthus 7821 (var.)  
*flavivittella* Clemens, Dichomeris 2281  
*flavocellana* Clemens, Epibema 3172  
*flavocostella* Clemens, Dichomeris 2295  
*flavofasciata* Grote, Tripudia 9009  
*flavofasciata* Wollaston, Cosmopterix 1474  
*flavomaculatus* Goeze, Papilio 4182  
*flavosignata* Closs, Aelopus 7850 (f.)  
*flavus* Dufrene, Papilio 4181 (ab.)  
*flegia* Cramer, Palpita 5217  
*flegialis* Poey, Palpita 5217  
*flegialis* Walker, Pyrausta 5049  
*flegialis* Guenée, Palpita 5217  
*fletcherella* Gibson, Psilocorsis 957  
*fletcheri* Kemp, Papilio 4176 (ab.)  
*flexilis* J. B. Smith, Euxoa 10731  
*flexuosa* Walker, Raphia 9192  
*floccalis* Zeller, Hemeroplanis 8467  
*floccularia* Herrich-Schäffer, Scopula 7153  
*flora* W. H. Edwards, Asterocampa 4562.1b  
*floraesta* Johnson & W. P. Comstock, Anaea 4553a (f.)  
*floralae* J. R. Heitzman & dos Passos, Enodia 4568b  
*florella* Stoll, Syngamia 5284  
*florellalis* Guenée, Syngamia 5284  
*florepecta*.– auct., Colomachus 5200  
*forestan* Cramer, Manduca 7782  
*florida* Danne, Trichoplusia 8887 (f.)  
*florida* Guenée, Schinia 11164  
*florida* Hulst, Itame 6314  
*florida* J. B. Smith, Trichoclea 10257  
*florida* Röber, Eumaeus 4268a  
*floridae* Mabilie, Lerodea 4111  
*floridalis* Barnes & McDunnough, Loxostege 4994  
*floridalis* Capps, Haimbachia 5487  
*floridalis* F. Johnson & W. P. Comstock, Anaea 4553a  
*floridalis* Fernald, Glyphodes 5199  
*floridalis* Hulst, Agathodes 5240  
*floridalis* Lange, Eopargyractis 4786  
*floridalis* Munroe, Thaumtopsops 5443  
*floridana* Cassino, Apantesis 8170  
*floridana* Gaedike, Parochromolopis 2335  
*floridana* Graef, Datana 7911  
*floridana* H. Edwards, Apatelodes 7663  
*floridana* Hulst, Dysodia 6081  
*floridana* J. B. Smith, Tetanolita 8366  
*floridana* Kearfott, Eucosma 3144  
*floridana* Neumoegen, Atteva 2401 (var.)  
*floridana* Obratzsov, Argyrotaenia 3599  
*floridana* Strecker, Mestra 4538a (p. 62)  
*floridana* Tarmann, Neoprocris 4618.1  
*floridana* Walker, Elaphria 9682  
*floridana* Zeller, Ancylis 3374  
*floridanella* Beutenmüller, Cosmopterix 1497  
*floridanella* Busck, Glyphidocera 1138  
*floridaria* Guenée, Eusarca 6941  
*floridaria* Hulst, Idaea 7120  
*floridata* Grote, Nepheloleuca 6986  
*floridata* Packard, Leptosteges 7177  
*floridata* Walker, Pterocypha 7299  
*floridella* Barnes & McDunnough, Thaumtopsops 5443  
*floridella* Dietz, Blastobasis 1160  
*floridella* Dietz, Mea 306  
*floridella* Hulst, Pococera 5601  
*floridella* Shaffer, Peoria 6046  
*floridellus* Hulst, Caristanis 5742  
*floridensis* B. P. Clark, Amphion 7873  
*floridensis* B. P. Clark, Dolba 7844  
*floridensis* Bell & W. P. Comstock, Ephyriades 3944a  
*floridensis* Davis, Opogona 432  
*floridensis* Grote & Robinson, Hemaris 7853  
*floridensis* Grote, Synanthedon 2573  
*floridensis* Guenée, Callopietia 9630  
*floridensis* Heinrich, Nephopterix 5793a  
*floridensis* Heinrich, Unadilla 5947  
*floridensis* Heppner, Glyptopterix 2336.3  
*floridensis* Hodges, Walsia 1617  
*floridensis* Holland, Eurytides 4184 (f.)  
*floridensis* Holland, Sphacelodes 6801  
*floridensis* Hulst, Itame 6285  
*floridensis* Morris, Leptotes 4356a  
*floridensis* Neumoegen, Aphrissa 4233a  
*floridensis* Neunzig, Caudellia 6012.1  
*floridensis* Plötz, Euphyes 4071  
*floridensis* Röber, Phoebeis 4231a  
*floridensis* Strecker, Limenitis 4523a  
*floridum* Grote, Eupseudosoma 8257a  
*floristan* Ménétriés, Manduca 7782  
*fluctuosalis*.– Dyar, Pleuroptia 5243  
*fluctuosalis* Lederer, Herpetogramma 5273  
*flumenata* Pearsall, Destutia 6880  
*fluviata* Hübner, Orthonama 7414  
*focina* J. B. Smith, Euxoa 10805  
*fodiens* Guenée, Chortodes 9441  
*foedata* Warren, Disclisioprocta 7417  
*foeminalis* Dyar, Parapoinx 4759 (f.)  
*fontella* Walsingham, Lineodes 5106  
*forbesi* French, Idia 8327  
*forbesi* Hasbrouck, Acrolophus 353  
*forestan* Hübner, Manduca 7782  
*formosa* Hulst, Leptosteges 7173  
*formosalis* Clemens, Munroessa 4748  
*formosalis* Walker, Nigetia 8440  
*formosella* Hulst, Pococera 5617  
*formosella* Murtfeldt, Chionodes 2077  
*formosella* Wileman & South, Cadra 6022  
*formula* Grote & Robinson, Catocala 8873  
*formula* Grote, Oreta 6255  
*formularis* Geyer, Lesmone 8655  
*fornax* Hübner, Hamadryas 4540 (p. 62)  
*forsythae* Gunder, Papilio 4170 (ab.)  
*forsythae* Munroe, Epipagis 5146  
*forsythae* Rindge, Tornos 6486  
*forsythae* Wood, Papilio 4159a (ab.)  
*fortificalis* Möschler, Omiodes 5212  
*fossulatella* Ragonot, Oryctometopia 5864  
*fracta* Whalley, Banisia 6087a  
*fractifera* Walker, Anomis 8553  
*fractilinea* Grote, Oligia 9406  
*fractilinea* J. B. Smith, Hypenodes 8421  
*fractilinea* Zeller, Blastobasis 1166  
*fractiliniella* Dietz, Setomorpha 428  
*fractivittana* Clemens, Choristoneura 3632  
*fragariae* Walsh & Riley, Ancylis 3374  
*fragilis* Guenée, Acronicta 9241  
*fraguarus* Ribbe, Lymantria 8318  
*francesca* Dyar, Givira 2671  
*francekii* Neumoegen, Sphinx 7808  
*franclemonti* Hodges, Chionodes 2077.1  
*francoielli* Hulst, Zophodia 5968  
*fratella* Grote, Rachiplusia 8895  
*fraterna* Butler, Hydriris 5127  
*fraterna* Butler, Pyralis 5510  
*fraterna* Grote, Parasa 4698  
*fraternalis* J. B. Smith, Renia 8385  
*fraternaria* Guenée, Epimecis 6603  
*fraternella* Dietz, Pigritia 1232  
*fratuelis* Heinrich, Pelochrista 3152  
*fraudabilis* Heinrich, Eucosma 3053  
*fraudentaria* Zeller, Anavitrinella 6590  
*fraxini* Lugger, Podosesia 2589  
*frigidana* Walker, Nycteola 8975  
*frigidella* Packard, Niditinea 411  
*frisias* Poey, Anthanassa 4478  
*fritillaria* Guenée, Homochlodes 6812  
*frondaria* Guenée, Synchlora 7059  
*fructetella*.– Kimball, Salebriaria 5777.1  
*fructicassella* Ragonot, Trachylepidia 5624  
*frugaliaria* Guenée, Anavitrinella 6590  
*frugiperda* J. E. Smith, Spodoptera 9666  
*frustrana* Comstock, Rhyacionia 2882  
*frustulum* Guenée, Celiptera 8747  
*frutetorum* Boisduval, Malacosoma 7701  
*fuscata* Hübner, Hypoprepia 8090  
*fulgens* Geyer, Spodoptera 9665  
*fulgens* Walker, Urania 7658 (p. 60)  
*fulgidipennana* Blanchard, Sparganothis 3720  
*fulicalis* J. B. Smith, Chytolita 8356  
*fulicalis*.– Kimball, Petrophila 4778  
*fuliginaria* Hulst, Glens 6449



**fuliginosalis** Fernald, Lipocosmodes 4888  
*fullerea* Riley, Endothenia 2738  
**fulleri** McElvare, Schinia 11107  
**fullonella** Zeller, Anacamptis 2236  
**fulminalis** Lederer, Glaphyria 4873  
*fulva* Warren, Thysanopyga 6711  
*fulvia* Dodge, Vanessa 4434 (f.)  
**fulvicollis** Hübner, Cisseps 8267  
*fulvicosta* Clemens, Haploa 8108 (f.)  
*fulvisuffusella* Dietz, Nemapogon 275  
*fulvoroseana* Clemens, Sparganothis 3695  
*fulvosa* Riley, Spodoptera 9666  
**fumalis** Guenée, Fumibotys 4950  
*fumataria* Minot, Ectropis 6597 (f.)  
*fuimerella* Dietz, Holcocera 1175 (var.)  
*fumida* Scudder, Celastrina 4363 (ab.)  
**fumiferana** Clemens, Choristoneura 3638  
*fumosa* Draudt, Charadra 9189  
*fumosa* Field, Euptoieta 4447 (ab.)  
*fumosa* Morrison, Symra 9280 (f.)  
*fumosa* Reverdin, Pyrgus 3968  
*fumosa* Robinson, Choristoneura 3632  
*fumosa* Strecker, Colias 4210 (ab.)  
*fumosa* Strecker, Hemaris 7855  
*fumosa* Strecker, Spilosoma 8137 (f.)  
*fumosalis*—auct., Diaphania 5202  
*fumosaria* Strecker, Nepytia 6908  
*fumosella* Hulst, Hultia 5918  
*fumosus* Hulst, Danaus 4614 (ab.)  
*fumosus* Wurster, Antheraea 7757  
**fundaria** Guenée, Eusarca 6933  
**funebra** Dietz, Hypatopa 1184  
**funebis** Ström, Anania 4958  
**funeralis** Hübner, Desmia 5159  
**funeralis** Scudder & Burgess, Erynnis 3957  
*funerellus* Hampson, Caretocultus 5307  
*funesta* Walker, Metallata 8573  
**fungorum** Grote & Robinson, Choephora 10998  
*funiculella* Treitschke, Euchromius 5454  
**furcata** Walker, Eutelia 8968.1  
*furcifer* Rings & Rings, Idaea 7108  
**furciferata** Packard, Idaea 7108  
**furcilla** Grote, Argillophora 9060  
**furcilla** Packard, Panthea 9182  
*furcula*—J. E. Smith, Furcula 7936  
**furfurana** Haworth, Bactra 2706  
*furfurellus* Hulst, Caristanius 5742  
**furva** Warren, Banisia 6087  
*furvanus* Robinson, Archips 3648  
**fusalis** Hampson, "Lygropia" 5251.1  
*fusaria* Hampson, Acrotodes 7148  
*fusca* Grote & Robinson, Nastra 3993  
*fusca* Harvey, Litodonta 7968 (f.)  
*fusca* L. Harris, Eurema 4243a (ab.)  
*fuscalis* Amsel, Bicilia 5271  
*fuscaris* Guenée, Melipotis 8599  
*fuscatella* Hulst, Canarsia 5926  
*fuscatus* Rothschild & Jordan, Eumorphia 7864  
**fuscella** Linnaeus, Niditinea 411  
*fuscaudis* Walker, Hemaris 7853  
**fusicomella** Clemens, Scythris 1659  
*fusicostella* Zeller, Fissicrambus 5435  
**fuscinacula** Grote, Elaphria 9675  
*fuscipunctella* Haworth, Niditinea 411  
*fuscisquamella* Zeller, Pediasia 5413  
*fuscobrunnea* Strand, Peridroma 10915  
*fuscofasciella* Ragonot, Ephestia 6020  
*fuscolineana* Clemens, Syndemis 3672  
**fuscomaculella** Chambers, Chionodes 2079  
*fuscomaculella* Chambers, Nemapogon 266  
*fuscocharella* Chambers, Chionodes 2093  
*fuscopallidella* Chambers, Sinoe 1834  
*fuscopallidella* Dyar, Sinoe 1834  
*fuscopulvella* Chambers, Diachorisia 279  
**fuscopunctella** Clemens, Pseudotelphusa 1871  
*fuscostigma* Cockerell, Anomis 8550  
*fuscostrigella* Chambers, Polyhymno 2211  
*fuscostrigella* Dietz, Pigritia 1246  
*fuscovariata* Wallengren, Disclisioprocta 7417  
*fuscus*—Luther, Automeris 7746  
**fusicola** Braun, Bucculatrix 484  
*fusifascia* Walker, Lesmone 8655  
*fusilinea* Walker, Azeta 8575  
*fusilineata* Walker, Sphacelodes 6800  
*futilalis* Barnes & McDunnough, Salbia 5287  
**futilis** Grote & Robinson, Litoprosopus 8556

*galactodactyla*—auct., Emmelina 6234  
*galapagensis* Schaus, Autoplusia 8891  
**galbanata** Morrison, Zale 8692  
*galianna* Burmeister, Callionima 7844  
**gallaegenitella** Clemens, Taygete 1845  
**gallaerandialis** Dyar, Thyridopyralis 5628  
**gallaesaliciana** Riley, Cydia 3479  
**gallaesolidaginis** Riley, Gnorimoschema 1986  
*gallerandialis* Knudson, Thyridopyralis 5628  
*gallivorana* Clemens, Sparganothis 3695  
*gallivorum* Westwood, Synanthedon 2549  
*gamma* Cockerell, Smerinthus 7821 (race)  
*gamma* Dyar, Cisthene 8067  
**ganglio** Hübner, Athyrma 8583.1  
**gaurae** J. E. Smith, Proserpinus 7874  
**gaurae** J. E. Smith, Schinia 11168  
*gausaparia* Grote, Thysanopyga 6711  
*gaylussaciana* Heinrich, Olethreutes 2817  
*gazorialis* Guenée, Diaphania 5207  
*gelida* Grote, Ellida 7930  
*gelidalis* Walker, Mimoschinia 4826  
**geliformis** Walker, Synanthedon 2547  
*gelliasalis*—auct., Steniodes 5178  
*gemellana* Heinrich, Eucosma 3052  
*gemina* Maassen, Anticarsia 8574  
**geminatella** Packard, Parornix 673  
*geminatus* Say, Smerinthus 7821  
*geminella* Riley, Taygete 1845  
**geminicincta** Schaus, Metalectra 8508.1  
**geminipunctalis** Schaus, Macristis 8403.1  
**gemistrigulana** Kearfott, Retinia 2898  
**gemma** Hübner, Cyllopsis 4573  
*gemma* Boisduval, Orthonama 7414  
*gemmata* Grote, Atteva 2401  
*gemmata* Hübner, Orthonama 7414  
**gemmatalis** Hübner, Anticarsia 8574  
**gemmatella** Hulst, Peoria 6048  
*gemmatilis* auct., Anticarsia 8574  
*gemmatilla* Hulst, Peoria 6048  
**gemmiferella** Clemens, Cosmopterix 1490  
*generalis* Walker, Renia 8381  
**generosa** Grote & Robinson, Pyrausta 5056  
**geniculata** Grote & Robinson, Trichosilia 10680  
*genitalis* auct., Herpetogramma 5275  
**genoveva** Stoll, Junonia 4442.1  
*genoveva*—auct., Junonia 4442  
*gentilis* Grote, Herpetogramma 5275  
*genuialis* Lederer, Munroessa 4748  
*genuinalis* Lederer, Munroessa 4748  
*genutia*—Fabricius, Anthocharis 4207  
*geometralis* Grote, Hemeroplanis 8467 (f.)  
*geometroides* Guenée, Pangrapta 8490  
**geometroides** Walker, Melanchroia 6616  
**georgei** Moore & Rawson, Elaphria 9680  
*georgiana* Dyar, Heterocampa 7982  
*georgiana* Walker, Archips 3656  
*georgica* Grote, Tarachidia 9083  
**georgica** Herrich-Schäffer, Hyperaeschra 7917  
*georgiella* Hulst, Salebriaria 5776  
*gerhardi* Gunder, Papilio 4176 (ab.)  
*germanalis* Walker, Hypena 8461  
*gerontesalis* Walker, Pyralis 5515  
*gerontialis* Meyrick, Pyralis 5515  
**gerulae** Heinrich, Chimoptesis 3272  
*gerularia*—auct., Synchrona 7060.1  
*gibbociliella* Forbes, Holcocera 1175  
**gibbosa** J. E. Smith, Nadata 7915  
**giganteana** Riley, Eucosma 3098  
*giganteus* Turati, Euchromius 5454  
*gibbociliella* Clemens, Holcocera 1175  
*gillippe* Godart, Danaus 4615  
**gilippus** Cramer, Danaus 4615  
*gilvafascia* Davis, Enteucha 118  
*gilvidorsis* Hedemann, Exelastis 6142.2  
**girardellus** Clemens, Crambus 5365  
*giscana* Kearfott, Aethes 3815  
*gisela* Meyer, Catocala 8876 (f.)  
*gitonella* Druce, Ephestia 6020  
**glabella** Morrison, Amphipyra 9640  
**gladiaria** Morrison, Agrotis 10648  
**glandulella** Riley, Blastobasis 1162  
*glans* Grote, Argyrotritis 8759  
**glaphyralis** Guenée, Glaphyria 4869  
**glareosella** Zeller, Atascosa 6067  
*glaucaria* Guenée, Synchrona 7058  
**glaucatella** Hulst, Rumatha 5978

*glaucepennis* Walker, Melipotis 8598  
**glauconome** Bates, Hamadryas (p. 62)  
*glaucopsis* Harris, Psychomorpha 9309  
*glaucovaria* Walker, Discestra 10223  
**glaucus** Linnaeus, Papilio 4176  
*glaudescens* Walker, Coenipeta 8665  
*gleditschiella* Fernald, Tiascala 5808  
**glenni** Cashatt, Leioptilus 6214  
**glenni** Clarke, Dichomeris 2278  
**glenni** Kaila, Elachista 1123.1  
**glochinella** Zeller, Tildenia 2049  
**glomerialis** Walker, Anania 4958a  
**glomeraria** Grote, Lomographa 6668  
*gloriosa* Strecker, Schinia 11173  
*gloveri* Kimball, Cryptothoele 442  
*gloverii* Packard, Cryptothoele 442  
*glycerium*—W. H. Edwards, Anaea 4554  
*glycinivora* Matsumura, Plodia 6019  
*glycinivorella* Matsumura, Plodia 6019  
*glyderinus* Stichel, Anaea 4554  
**gnaphaliella** Kearfott, Tebenna 2647  
*gnaphiella* Mosher, Tebenna 2647  
**gnoma** Hodges, Melanoclinis 1506  
**gnopharia** Guenée, Hypomecis 6440  
**gnophosaria** Guenée, Macaria 6405  
*gnophosarium* Hulst, Macaria 6405  
*godartii* Boisduval, Cocytius 7773  
**gomonana** Kearfott, Eucosma 3110  
*goniata* Guenée, Prochoerodes 6982  
*gonogramma* Dyar, Argiria 5463  
*gonoides* McDunnough, Acontia 9143  
**goodelli** Grote, Polia 10289  
**goodelliana** Fernald, Ancylis 3380  
*goodelliana* Grote, Parapediasia 5450  
**gopheri** J. B. Smith, Idia 8336  
**gordialis** Guenée, Asciodes 5267  
**gordius** Cramer, Sphinx 7810  
**gorgone** Hübner, Chlosyne 4489 (p. 62)  
*gorgone* Hübner, Phyciodes 4480  
**gortynoides** Walker, Bellura 9523  
*gossypiana* Packard, Choristoneura 3635  
**gossypiella** Saunders, Pectinophora 2261  
**gossypii** Forbes & Leonard, Stigmella 76  
*gottschalki* A. H. Clark & L. Clark, Callophrys 4299 (ab.)  
*goyanensis* Hampson, Tripudia 9010  
**gracea** Dyar, Lithacodes 4664  
*gracilana* Walsingham, Sparganothis 3720  
*gracilaria* Packard, Synchrona 7058  
*gracilella* Chambers, Dichomeris 2288  
*gracilella* Hulst, Canarsia 5926  
**gracilentia** Hübner, Schinia 11147  
**gracilineata** Guenée, Eulithis 7197  
*gracilis* Grote & Robinson, Blepharomastix 5182  
**gracilis** Grote & Robinson, Hemaris 7854  
*gracilis* Hübner, Schinia 11147  
**gracilis** W. H. Edwards, Catocala 8847  
*gradata* Walker, Digrammia 6357  
*gradata* Walker, Zale 8687  
*graeji* H. Edwards, Synanthedon 2583  
*graeiana* Grote, Pyreferra 9929  
*graeji* Beutenmüller, Synanthedon 2583  
*graminalis* Herrich-Schäffer, Pyrausta 5060  
**grandella** Zeller, Hypsipyla 5705  
*grandimacula* Dognin, Polygrammodes 5230 (f.)  
*grandipuncta* Guenée, Alabama 8554  
**grandirena** Haworth, Drasteria 8641  
*grandis* Ehrmann, Nymphalis 4432 (ab.)  
**grandis** J. B. Smith, Psaphida 10013  
**granella** Linnaeus, Nemapogon 266  
**granitata** Guenée, Macaria 6352  
**granitosa** Guenée, Callopietria 9632  
**granti** W. E. Miller, Rhyacionia 2879.1  
*granulella* Hampson, Astralephesiodes 6004.1  
**graphica** Hübner, Drasteria 8618  
**grapholithoides** Möschler, Tripudia 9004  
*grassata* Hulst, Macaria 6341  
**grata** Fabricius, Eudryas 9301  
*grata* Hübner, Elaphria 9684  
*gratana* Walker, Sparganothis 3695  
**grataria** Fabricius, Haematopis 7146  
*gratata* Packard, Hethemia 7084  
*gravilinearia* Andrews, Epimecis 6599  
*grayi* W. P. Comstock & Huntington, Eumaeus 4268a  
*gregariella* Murtfeldt, Porphyrosela 843  
*grenadensis* Dyar, Diatraea 5475



- grenadensis** Hampson, Focillidia 8730.1  
*greyi* Field, Chlosyne 4490 (ab.)  
**grisatra** Brower, Catocala 8875  
*grisatra* J. B. Smith, Xestia 10967  
*grisea* Barnes & McDunnough, Lagoa 4644 (ab.)  
**grisea** Munroe, Dicytomolomia 4893  
**grisea** Robinson, Archips 3660  
*grisea* Schnaider, Lymantria 8318  
**grisea** Walker, Acronicta 9212  
*griseella* Chambers, Niditinea 411  
*griseicinctalis* Hampson, Diacme 5145  
*griseicinctus* Kimball, Diacme 5145  
*griseirena* Hampson, Phlyctina 8392  
*grissella* Dietz, Pigritia 1246  
**grissella** Fabricius, Achroia 5623  
*griseocapitella* Walsingham, Dyseriocrania 3  
*grissaeella* Dyar, Mompha 1448  
*grissefasciella* Chambers, Anacamptis 2233  
*grissella* Chambers, Mompha 1448  
*grossbecki* Barnes & McDunnough, (1917)  
*grossbecki* Davis, Pygarcia 8255  
**grossbecki** Heinrich, Epiblema 3175  
*grossbecki* Strand, Utheheisa 8106  
*grossbeckiata* Swett, Eupithecia 7474  
*grossula* Herrich-Schäffer, Oligoria 4114  
*grossulariae* Riley, Zophodia 5968  
*grossularialis* Hübner, Zophodia 5968  
**grossulariella** Hübner, Zophodia 5968  
*groteana* Fernald, Sparganothis 3727  
*grotei* Butler, Acronicta 9238  
*grotei* Butler, Hemaris 7855  
**grotei** Franclemont & Todd, Richia 10869  
**grotei** H. Edwards, Cautethia 7867  
**grotei** Morrison, Copivaleria 10021  
*grotei* Plötz, Atrytonopsis 4080a  
**grotei** Ragonot, Ulophora 5900  
*grotella* Ragonot, Monopitlota 5736  
**grynea** Cramer, Catocala 8864  
**gryneus** Hübner, Callophrys 4318  
**gryneus** Hübner, Callophrys 4318a  
*guadulpensis* Guenée, Zale 8687  
**guantanamo** Munroe, Anartia 4443a  
*gudmanella*.– Kimball, Symmetrischema 2032  
**gueneei** Warren, Oxydia 6969  
*guenei* Grote, Catocala 8793  
**guettardella** Busck, Leucoptera 478  
**guiana** Busck, Epismus 2701.1  
**guilandinae** Busck, Holcocera 1148  
**guilandinella** Busck, Marmara 711  
*guilandinella* Kimball, Marmara 711  
*gulosalis* Hulst, Herpetogramma 5277  
*gurgitana* Robinson, Archips 3658  
*guritana* Darlington, Archips 3658  
*guttalis* Denis & Schiffermüller, Anania 4958  
**guttata** Grote, Spragueia 9125  
**guttivitta** Walker, Heterocampa 7994  
*guttula* H. Edwards, Metallata 8573  
*guttula* Herrich-Schäffer, Elaphria 9677  
**guttulana** A. Blanchard, Eucosma 3009.2  
*guttulosa* Walker, Palpita 5226  
*guyasuta* Chermock & R. Chermock, Acronicta 9248 (f.)  
*gyasalis* Walker, Phalaenophana 8338  
*gyges* Hewitson, Anthanassa 4478  
*gypsella* Ragonot, Cadra 6023  
*gyralis* Hulst, Framinghamia 5262  
**gyralis** Hulst, Munroessa 4751  
*habanellus* Schaus, Fissicrambus 5437  
**habecki** Heppner, Diploschizia 2345.4  
**habitalis** Walker, Hemeroplanis 8471  
*haematica* Zeller, Peoria 6053  
*haematinalis* Saalmüller, Pyralis 5515  
**haemorrhoidalis** Guenée, Salbia 5287  
*haemorrhoidalis* Klima, Salbia 5287  
*haemorrhoidalis* Berdicho-L., Salbia 5287  
*haesitata*.– Rings & Rings, Acronicta 9246  
*hagenii* W. H. Edwards, Colias 4209  
**haimbachiana** Kearfott, Gypsonoma 3226  
**haitensis** Skinner, Choranthus 4067 (p. 60)  
**haitiaria** Oberthür, Sphacelodes 6801  
**haitiensis** Hampson, Litoprosopus 8557.1  
*hala* Butler, Hylephila 4013  
**halesus** Cramer, Atlides 4270  
*halicarniae* auct., Lapara 7816  
*halicarnie* Strecker, Lapara 7816  
*halli* Watson & W. P. Comstock, Limenitis 4523a (ab.)
- hamadryadella** Clemens, Cameraria 823  
*hamadryella* Frey & Boll, Cameraria 823  
*hamameliella* Clemens, Epismus 2701  
**hamamelis** Guenée, Acronicta 9248  
*hamifera* Walker, Pseudoplusia 8890  
*hampsoni* Barnes & McDunnough, "Lygropia" 5251.1  
**hamulata** Guenée, Patalene 6974.1  
*hapsella* Hulst, Adelphia 5890  
**haracana** Kearfott, Pseudexentera 3252  
*hariolalis* Hulst, Diasemiodes 5172  
**harlequinialis** Dyar, Diathrausta 5175  
*harliquinialis* Kimball, Diathrausta 5175  
*harni* Strand, Papaipema 9493  
*harpalis* Herrich-Schäffer, Helvibotys 4980  
*harpyia* Schaufuss, Eupyrhoglossum 7846.1  
*harrisi* Grote, Papaipema 9472  
*harrisi* H. A. Freeman, Megathymus 4147  
**harrisii** Grote, Papaipema 9472  
*harrisii* Packard, Heterocampa 7994  
*harrisii* Skinner, Chlosyne 4490  
*harrisii* W. H. Edwards, Polygonia 4421  
**harrisii** Walsh, Halysidota 8204  
*harudes* Druce, Elaphria 9684.1  
*haruspica* Grote & Robinson, Pyrausta 5071  
*harveyana* Grote, Acronicta 9235  
*harveyana* Grote, Udea 5079  
*hasdrubal* Cramer, Pseudosphinx 7830  
**hasta** Guenée, 1852 McD Acronicta 9229  
*hastiferella* Walker, Etiella 5744  
*hastiferellus* Walker, Crambus 5357  
*hastiferellus*.– Felt, Crambus 5355  
*hastiferellus*.– auct., Crambus 5369  
*haustellata* Walsingham, Eido 1068  
*hawaiiensis* Butler, Megalorhipida 6104  
*haworthana* Westwood, Tarachidia 9090  
**hayhurstii** W. H. Edwards, Staphylus 3932  
**haytiellus** Zincken, Fissicrambus 5433  
**hebesana** Walker, Endothenia 2738  
*hebraea* Guenée, Polygrammate 9285  
**hebraeicum** Hübner, Polygrammate 9285  
**hecebolus** Scudder, Panoquina 4120 (p. 62)  
*hedysarum* Scudder, Achalarus 3904  
**hegesia** Cramer, Euptoieta 4448 (p. 62)  
**hegon** Scudder, Argyrotaenia 3598.1  
*heinrichalis* Dyar, Salebriaria 5775  
**helata** J. B. Smith, Zale 8704  
*helcitalis* Walker, Microthyris 5263  
*helenia* Cassino, Lobocleta 7097  
**helenella** Wilkinson, Ectoedemia 58.2  
*helenensis* Wollaston, Ocrasa 5531  
*helianna* Meyrick, Pyrausta 5050  
**helianthana** Riley, Suleima 3212  
*helicta dadeensis* Gatrell, Neonympha 4576 (f.)  
*helicta* Hübner, Neonympha 4576  
*heliopalis* Dyar, Neocataclysta 4743  
**helios** M. Bates, Eureka 4240a  
*heliussalis* Walker, Renia 8384.1  
*helopalis* Clemens, Neocataclysta 4743  
*helopalis* Munroe, Neocataclysta 4743  
*helvalis* Forbes, Helvibotys 4980  
**helvalis** Walker, Framinghamia 5262  
**helvialis** Walker, Helvibotys 4980  
*hemialis* Guenée, Erceta 5111  
**hemicycla** Hampson, Neotueta 9305  
*hemimetra* Meyrick, Lantanophaga 6119  
**hemiochrellus** Zeller, Fissicrambus 5434  
**henrici** Grote & Robinson, Callophrys 4326  
**henrici** Grote, Simyra 9280  
*henrici* Pinchon, Cocytus 7772  
*henrietta* Grote, Derrima 11055  
*hepara* Guenée, Galgula 9688  
**hepaticaria** Guenée, Lepstostales 7175  
**heppneri** Davis, Acrolophus 355.1  
*heppneri* Eitschberger, Danner & Surholt, Hemaris 7855
- heptathalama** Busck, Homaledra 1421  
*heptathelama* Rings & Rings, Homaledra 1421  
*heraldella* Guenée, Etiella 5744  
**herbaria** Fabricius, Synchrona 7061  
**herbarum** Guenée, Pichodis 8750  
**herbicola** Guenée, Argyrostromis 8755  
*herbinacula* Guenée, Lacinioplia 10397  
**herilis** Grote, Feltia 10676  
*heringi* Richardson, Monopis 415  
**hermeasalis** Walker, Microphysetica 5121
- hermes** Fabricius, Hermeuptychia (p. 62)  
*hermes kappeli* Anken, Hermeuptychia 4574  
*herminioides* Walker, Idia 8323  
*hero* H. Edwards, Catocala 8876  
*hero* Hulst, Catocala 8876 (f.)  
*hesione* Drury, Gonodonta 8537  
**hesperidago** Guenée, Pyreferra 9929  
*hesperidella* Hübner, Plutella 2363  
*hesperis* Grinnell, Platyptilia 6109  
**hesseli** Rawson & Ziegler, Callophrys 4319  
*heterocampa* Guenée, Xanthopastis 10640  
**heterosalis** McDunnough, Eudonia 4739  
*heterospila* Hampson, Phrudocentra 7051  
*heterospila* Mabilie, Panoquina 4119  
**hexadactyla**.– Auct, Alucita 2313  
*hexaspilata* Walker, Heterophleps 7647  
*hexastylus* Harvey, Mocis 8745  
**hianna** Scudder, Atrytonopsis 4080  
**hianna** Scudder, Atrytonopsis 4080a  
**hibisci** Guenée, Orthosia 10495  
*hiemalis* W. H. Edwards, Phyciodes 4480 (f.)  
*hieroglyphica* Cramer, Diphthera 8560  
*hieronyma* Prout, Scopula 7154  
*hilaralis* Herrich-Schäffer, Uresiphita 4992  
*hilarella* Snellen, Cydosis 9000  
*hilaris* Möschler, Achaea 8721.1 (var.)  
*hilli* Lintner, Hypocala 8642  
**hilliata** Hulst, Idaea 7118  
*himonialis* Zeller, Dolichomia 5533  
*hinda* French, Catocala 8770  
**hinna** Geyer, Lesmone 8653  
**hippocastana** Kearfott, Olethreutes 2802  
*hippoluta* Skinner, Nymphalis 4432 (ab.)  
*hippomomuste* Hübner, Ascia 4198  
*hippotamada* Druce, Galgula 9688  
*hippotoon* Burmeister, Erinnyis 7835  
*hirtella* Grote & Robinson, Schinia 11104  
**hirtipalpis** Walker, Aglaonice 8375.4  
*hiseri* Cassino, Catocala 8874 (f.)  
*historialis*.– Rings & Rings, Hemeroplanis 8471  
*histrio* Fabricius, Cydosis 9000  
*histrio* Grote, Marathyssa 8955  
*histrio* Röber, Polygonus 3872  
**hobomok** Harris, Poanes 4059 (p. 60)  
**hodesi** Heppner, Argyrotaenia 3598.1  
**hodsoni** W. E. Miller, Pseudexentera 3257.1  
**holguinalis** Munroe, Diastictis 5257  
*hollandaria* Hulst, Phrudocentra 7051  
*hollandi* Röber, Appias 4190a (ab.)  
*holophaealis* Hampson, Rupela 5311  
**homonymalis** Munroe, Pyrausta 5055  
**homuraria** Grote & Robinson, Metarranthis 6828  
*honesta* Walker, Xystocheilus 9942  
**honestaria** Walker, Pero 6753  
**horatius** Scudder & Burgess, Erynnis 3952  
*hordei* Kirby, Sitotroga 2260  
**hormos** Hübner, Hypsorophia 8528  
*hornbeckiana* Harris, Eumorphia 7864  
**horrida** Hübner, Zale 8717  
**hortaria** Fabricius, Epimecis 6599  
*hortularia* Hulst, Patalene 6974b  
*hoshea* Druce, Concana 8562  
*hospes* Walsh, Synanthedon 2549  
**hospita** Hodges, Eupragia 953  
**hospitella** Zeller, Eurythmia 6031  
*hospitella*.– auct., Erelieva 6034  
**houseri** W. E. Miller, Retinia 2902  
**howardi** Skinner, Poanes 4062a  
*huachucalis* Haimbach, Heliades 5574  
*hubbardiana* Dyar, Exyra 8905.3 (f.)  
*hubneraria* Guenée, Pero 6754  
*huchinella* Craveri, Ephestia 6020  
*hugoi* Cermock & Chermock, Heterocampa 7994 (f.)  
*hulstellus* Beutenmüller, Acrolophus 383  
*hulsti* Reiff, Catocala 8801  
*hulstiana* Dyar, Synchrona 7061  
*hulstii* Cockerell, Laetilia 5949  
**humaria** Guenée, Anacamptodes 6584  
**humeralis** J. B. Smith, Gabara 8523a  
**humarella** Ragonot, Pococera 5617  
**humerosana** Clemens, Amorbia 3748  
**humidicola** Guenée, Leucania 10458  
*humilis* Walker, Schizura 8007  
*humilis* Walker, Trichoplusia 8887  
*humilis* Zeller, Antaeotricha 1019  
**humuli** Harris, Hypena 8461

*huntera* Fabricius, Vanessa 4434  
*hunteri* Hübner, Vanessa 4434  
*huron* Engelhardt, Vitacea 2530 (f.)  
**huron** W. H. Edwards, Atalopedes 4049a  
**huronalis** Guenée, Epipagis 5147  
*hyalina* Berg, Diaphania 5204  
*hyalinalis*.- Boisduval, Diaphania 5207  
*hyalinata* Linnaeus, Diaphania 5204  
*hyalinatalis* Guenée, Diaphania 5204  
*hyalinella* Staudinger, Monopis 415  
*hyalinus* Walsh, Phobetrion 4677  
*hyb. rubidus* Streckler, Limenitis 4522a  
*hybrida* Butler, Utetheisa 8106  
*hybrida* Fabricius, Eudocima 5453  
*hybrida* Streckler, Colias 4210  
*hydaspes* Cramer, Cocytius 7772  
*hydaspus* Cramer, Cocytius 7772  
**hydrillalis** Guenée, Bleptina 8375  
**hydromeli** Harvey, Litodonta 7968  
*hygiaea* Heydenreich, Nymphalis 4432 (ab.)  
*hylaues* B. P. Clark, Dolba 7784  
**hyleus** Drury, Dolba 7784  
*hyperbola* Slosson, Laothoe 7827 (var.)  
*hyperfusca* Strand, Heliocheilus 11074  
*hypericana* Ely, Acleis 3543  
*hyperici* Boisduval & Leconte, Strymon 4336  
*hyperici* H. Edwards, Synanthedon 2552  
*hyperipte* Hübner, Eunice 4532  
**hypocritalis** Ferguson, Macrochilo 8361.1  
**hypocritica** Dyar, Condicta 9703  
**hystriculella** Hulst, Chararica 5713  
*ianthes* Meyrick, Dichomeris 2284  
**iarchasalis** Walker, Bicilia 5271  
*iarchisalis* Schaus, Bicilia 5271  
*iaspis* Guenée, Chytonix 9556 (f.)  
**icciusalis** Walker, Munroessa 4748  
**icelus** Scudder & Burgess, Erynnis 3945 (p. 62)  
*icostiella* Ragonot, Ephestia 6021  
**idaeusalis** Walker, Platynota 3740  
**idalia** Drury, Speyeria 4452 (p. 62)  
*idessa* Druce, Pyrausta 5069  
*idonea* Cramer, Agrotis 10663  
*ifranella* D. Lucas, Achroia 5623 (var.)  
*igna* Barnes & Benjamin, Tricholita 10627 (f.)  
*igninix* Walker, Lactura 2405  
*ignobilis* Butler, Ancylostoma 5741  
*ignobilis* Butler, Spodoptera 9672  
*ignotaria* Walker, Cyclophora 7137  
*ignotella* Walker, Niditinea 411  
*ihouna* Dyar, Zophodia 5968  
*ilaire* Godart, Appias 4190  
**ilia** Cramer, Catocala 8801  
*iliana* Strand, Catocala 8801  
*ilicifolia*.- J. E. Smith, Phylodesma 7686  
*ilioneus* J. E. Smith, Papilio 4181  
**illapsa** Walker, Euagrotis 10903  
*illaudata* Walker, Anacamptodes 6584  
**illibalis** Hübner, Palpita 5223  
*illinoisensis* French, Rhodocelia 11065  
**illita** Guenée, Anomis 8551  
*illiterata* Grote, Rhodocelia 11065  
*illuminans* Walker, Melipotis 8599  
*illuminaris* Walker, Melipotis 8599  
**illusio** Hodges, Dichomeris 2297.4  
**illustrata** Guenée, Autoplusia 8894  
*illutalis* Guenée, Condylorrhiza 5215  
*ilus* Boisduval, Perigonia 7846  
*imbella* Walker, Condicta 9698  
**imber** Hodges, Chionodes 2084.1  
*imbraria* Guenée, Eusarca 6941  
*imitabilis* Dyar, Chrysandeton 4746  
*imitata* H. Edwards, Carmentis 2596  
*imitata* Neunzig, Crocidomera 5706  
*imitella* Stretch, Cydosis 8999 (f.)  
*immaculata* Benjamin, Exyra 8905.3 (ab.)  
*immaculata* Cockerell, Pieris 4197 (ab.)  
*immaculata* Field, Nathalis 4248 (f.)  
*immaculata* Graef, Eupseudosoma 8257a  
*immaculata* Jewett, Sphingicampa 7709 (var.)  
*immaculata* McDunnough, Exyra 8905.3 (f.)  
*immaculata* Möschler, Banisia 6086  
**immaculata** Reakirt, Holomelina 8124  
*immaculata* Skinner & Aaron, Pieris 4197 (ab.)  
*immaculata* Skinner, Thorybes 3910 (ab.)  
*immaculata* Whittaker & D. Stallings, Eurema 4237 (f.)

*immaculatae* Bouvier, Sphingicampa 7709  
**immaculatus** R. C. Williams, Euphyes 4078a (ab.)  
*immaculsecunda* Gunder, Zerene 4224 (ab.)  
*imminens* Meyrick, Strepsicrates 2907  
*immixtalis* Grote, Perispasta 4951  
**immortua** Grote, Melaporphyria 11212  
*immunellus*.- Forbes, Microcrambus 5422  
**immunis** Guenée, Pithodis 8754.1  
*impacta* Walker, Peridroma 10915  
*impar* Guenée, Lesmone 8655  
*imparata* Walker, Pleuroprucha 7133  
**impasta** Guenée, Anomis 8548  
*impauperata* Walker, Disclisioprocta 7417  
*imperatoria* J. E. Smith, Eacles 7704  
*imperfecta* H. Edwards, Synanthedon 2571  
**imperfectaria** Walker, Melanophia 6622  
**imperialis** Drury, Eacles 7704  
*impersonalis* Walker, Emmelina 6234  
*imperspicua* Streckler, Schinia 11147  
*impexaria* Guenée, Eusarca 6933  
**impigritella** Clemens, Diploschizia 2346  
*impingens* Dyar, Trichosilia 10679.1  
*implens* Walker, Ephyrodes 8582  
**impleta** Walker, Acronicta 9257  
*impleta* Walker, Horisme 7445  
*implicitalis* Möschler, Trischistognatha 4933  
*imprimata* Möschler, Amyna 9069  
*improbata*.- Heinrich, Pseudexentera 3246  
*impropria* Walker, Hypagyrtis 6654  
**impulsalis** Herrich-Schäffer, Diaphantania 5114  
*impunctata* Rothschild & Jordan, Erinnyis 7833 (f.)  
*impuralis* Herrich-Schäffer, Glyphodes 5198  
**inabsconsalis** Möschler, Sisyra 5194.1  
*inaequalis* Tutt, Celastrina 4363 (ab.)  
*inaequipulvella* Chambers, Helcystogramma 2265  
*inamoenella* Zeller, Setomorpha 428  
*inaptata* Walker, Itame 6314  
*incalis* Snellen, Portentomorpha 5078  
*incandescens* Grote, Bulia 8614  
*incarnata* Stretch, Apantes 8169  
*incarnatorubra* Goetz, Grammia 8199  
*incautellus* Zeller, Elasmopalpis 5896  
*incensalis*.- auct., Pyrausta 5040  
*incertalis* Möschler, Ophiuche 8460  
*incertana* Clemens, Argyrotaenia 3597  
**incertella** Chambers, Acrolepiopsis 2490  
**incertella** Zincken, Mesolia 5331  
*incidens* Walker, Bagisara 9168  
*incisa* Gundlach, Anicla 10911  
*incisaria* Walker, Euchlaena 6726  
*incivis* Guenée, Anicla 10911  
**inclara** J. B. Smith, Acronicta 9250  
*inclara* Streckler, Schinia 11126  
*inclinana* Zeller, Epiblema 3202  
*inclinata* Walker, Condicta 9693  
**includens** Walker, Pseudoplusia 8890  
**inclusa** Hübner, Clostera 7896  
*inclusaria* Walker, Ideia 7114  
*inclusaria* Walker, Nemoria 7033  
**incognita** Barnes & McDunnough, Leucania 10450  
*incoloraria* Walker, Cabera 6677  
**incolorata** Guenée, Epiblema 7649  
*incomparella* Dyar & Heinrich, Diatraea 5475  
*incompleta* Butler, Apantes 8169  
**inconcinna** Harvey, Euxoa 10732  
*inconclusana* Walker, Ptycholoma 3688  
*incongruaria* Hulst, Besma 6885  
**inconspicua** Herrich-Schäffer, Leucania 10457.2  
*inconspicua* Walker, Pachylia 7842  
**inconspicuella** Murtfeldt, Tildenia 2050  
**inconspicuella** Newton & Wilkinson, Stigmella 76.1  
*inconstans*.- Grossbeck, Melipotis 8601  
*inconstans* Guenée, Eusarca 6933  
**incretaria** Morrison, Acronicta 9249  
*incrutalis* Hulst, Deuterolymna 5582  
**incurva** Sepp, Gonodonta 8542  
**incurvata** Guenée, Prochoerodes 6982a  
*indecisa* Walker, Condicta 9699  
*indecora* Dyar, Trachylepidia 5624  
*indentana* Dyar, Strepsicrates 2907  
*indentata* Harvey, Mocis 8743  
**indeterminata** Boisduval, Parasa 4699  
**indeterminata** Barnes & McDunnough, Lithacodia 9054  
*indeterminata* Walker, Heterocampa 7994  
**indiana** Grote, Nystalea 7945

*indianalis* Dyar, Steniodes 5178  
*indianella* Dyar, Ragonotia 5902  
**indica** Saunders, Diaphania 5207  
*indicans* Walker, Lacinipolia 10411  
**indicata** Fabricius, Omiodes 5212  
*indicatalis* Walker, Etiella 5744  
**indigenella** Zeller, Acrobasis 5651  
*indigenis* Walker, Condicta 9690  
*indiginella* auct., Acrobasis 5651  
*indigna* Walker, Agrapha 8889  
*indirecta* Walker, Pyreferra 9929  
*indiscriminata* Walker, Chlorochlamys 7071  
*indistincta* Butler, Melipotis 8598  
**indistincta** H. Edwards, Olceclostera 7666  
*indistincta* Walker, Achaea 8721.1  
*indivialis* Grote, Lascoria 8393  
*indoctaria* Walker, Scopula 7156  
*indoctinata* Walker, Horisme 7445  
**indomita** Walker, Melipotis 8600  
*indubitans* Walker, Ponometa 9115  
**inductaria** Guenée, Scopula 7169  
*ineffusaria* Guenée, Eusarca 6941  
*inepta* Walker, Spodoptera 9666  
*inexacta* Walker, Metallata 8573  
*inexpertana* Walker, Endothenia 2738  
**inextricata** Walker, Itame 6285  
**infans** Warren, Dirades 7656.1  
*infanta* J. B. Smith, Colocasia 9184  
**infatuans** Franclemont, Leucania 10457  
**infecta** Ochsenheimer, Anicla 10911  
*infecta* Walker, Lacinipolia 10397  
*infectorialis* Möschler, Deuterolymna 5582  
*infectoria* Walker, Macaria 6405  
*infelix* Guenée, Condicta 9713  
**inferior** Grote, Bleptina 8371  
*infernalis* Streckler, Citheronia 7706  
*inficita* Walker, Marathyssa 8955  
**infimata** Guenée, Macaria 6334  
*infimbrialis* Dyar, Dolichomima 5533  
**infimella** Ragonot, Ephestiodes 6001  
**infixa** Walker, Homohadena 10065  
*infixaria* Walker, Glana 6450  
**inflatella** Clemens, Prochoreutis 2629  
*inflexa* Morrison, Collomena 8982  
*infraina* Haworth, Discestra 10223  
*infructuosa* Walker, Morrisonia 10521  
**infulata** Grote, Heliomata 6263  
*infumata* Felder & Rogenhofer, Anticarsia 8574  
**infumatana** Zeller, Archips 3659  
*infumatella* Ragonot, Ephestia 6021  
*infusata* Blanchard, Peridroma 10915  
**ingens** Heinrich, Cydia 3487  
*ingrata* R. Felder, Eurema 4245  
*ingricella* Möschler, Ethmia 996  
*inguinalis*.- auct., Eulepte 5195  
**inimicella** Zeller, Pseudogalleria 3500  
*injecta* Dyar, Cisthene 8067  
*innata* Herrich-Schäffer, Trichoplusia 8887  
*innexa* Grote, Lacinipolia 10403  
*innoxia*.- auct., Ribua 6018.1  
**innubens** Guenée, Catocala 8770  
*innubenta* Strand, Catocala 8770  
*ino* Hall, Cercyonis 4587  
**inopinatus** H. Edwards, Cynia 8228  
*inops* Stephens, Hemeroplanis 8467  
*inorata* Grote, Spragueia 9132  
*inornata* Beutenmüller, Orgyia 8313  
*inornata* Bramson, Vanessa 4435 (ab.)  
*inornata* Grote & Robinson, Isa 4681  
*inornata* Grote, Amphipyra 9638  
*inornata* Nakahara, Limenitis 4522a (f.)  
*inornata* Walker, Amyna 9070  
*inornata* Wolcott, Asterocampa 4557a (ab.)  
**inornatalis** Fernald, Pyrausta 5037  
*inornatalis* Walker, Achyra 4974  
*inquieta* Walker, Discestra 10223  
*inquieta* Walker, Spodoptera 9672  
*inquieticolor* Dyar, Cutina 8729  
*inquilina* Kearfott, Cydia 3494  
**inquinatus** Zeller, Leiopitilus 6186  
*insaria* Dyar, Glana 6450  
*insciens* Walker, Orthosia 10495  
*inscitella* Walker, Inga 1034  
**inscripta** Harris, Deidamia 7871  
*inscripta* Walker, Anterastria 9055.3  
*inscripta* Walsingham, Arogalea 1851

- insectella** Fabricius, Episcardia 325  
*insectella*.– auct., Setomorpha 428  
**insecutata** Walker, Hethemia 7084a  
*insequalis* Guenée, Pyrausta 5060  
**inserrata** Walsingham, Dichomeris 2297  
*insignalis* Walker, Palthis 8398  
*insignata* Schultz, Lymantria 8318  
*insignata* Walker, Apamea 9367  
*insignata* Walker, Euxoa 10805  
*insignatalis* Kimball, Pyrausta 5044  
**insignis** Frey & Boll, Phyllocnistis 846  
*insignis* Walker, Plusiodonta 8534  
**insignitalis** Guenée, Pyrausta 5044  
*insinuaris* Guenée, Probosc 6837  
*insipida* R. Felder & Rogenhofer, Melipotis 8601  
**insiticiiana** Zeller, Ecdytolopha 3497  
*insolabilella* Strand, Catocala 8791  
**insolabilis** Guenée, Catocala 8791  
*insolatrix* Plötz, Pyrgus 3966  
*insolita* Grote, Acronicta 9272 (f.)  
*insperata* Meyrick, Liopitilodes 6120  
**inspersa** Heinrich, Phaenocarpa 2773  
*inspinosa* Guenée, Agrotis 10661  
*instabilis* Butler, Laothoe 7827  
*instructalis* Walker, Bonchis 5564  
*instrutana*.– Claypole, Zeiraphera 3238  
*insulana* Aurivillius, Crocidosema 3274  
*insularia* auct., Pleuroprucha 7132  
*insularis* Holland, Siproeta 4446a  
*insularis* Möschler, Massala 8586  
*insularis* Pavulaan & Gattelle, Brephidium 4354a (f.)  
*insularis* Warren, Sericoptera 6994  
**insulata** Walker, Pareuchaetes 8227  
**insulensis** Rindge, Ideia 7106  
*insulicola* Meyrick, Ecdytolopha 3498  
*insulsa* Walker, Euxoa 10805  
**insulsaria** Guenée, Pleuroprucha 7132  
*intecta* Walker, Peridroma 10915  
**integerrima** Grote & Robinson, Datana 7907  
*integerrima* Harris, Paonius 7826  
*integerrima* Walker, Metria 8666  
*integra* Lanktree, Thorybes 3910 (ab.)  
**integra** Neunzug, Salebriaria 5776.1  
**integra** Zeller, Lineodes 5107  
*intenta* Walker, Zale 8713  
*intentaria* Walker, Cabera 6678  
*intentata* Dyar, Cabera 6678  
*interferens* Walker, Agrotis 10664  
*interjacens* Grote, Heliothis 11072  
*interjecta* Dyar, Euclea 4697 (f.)  
*interlinearia* Guenée, Eusarca 6941  
**intermedia** B. P. Clark, Eumorpha 7859.1  
*intermedia* Bouvier, Antheraea 7757  
*intermedia* Butler, Utetheisa 8106  
*intermedia* Cockerell, Colias 4210 (ab.)  
*intermedia* Fitch, Orgyia 8316 (var.)  
**intermedia** Riley, Tegeticula 198.2  
*intermedia* Strecker, Celastrina 4363 (f.)  
**intermedia** Stretch, Grammia 8196a  
**intermedialis** Walker, Pseudasopia 5526  
**intermediella** Busck, Phyllocnistis 847  
**intermicata** Walker, Lychnosea 6858  
*interminaria* Grote, Lychnosea 6858  
*interminella* Walker, Pediasia 5413  
*intermittens* Walker, Condia 9702  
*interna* Barnes & McDunnough, Galgula 9688  
*interna* Packard, Dasylophia 7958  
*internalis* Robinson, Bomolocha 8443  
**internitalis** Guenée, Sathria 5270  
*interposita* Maassen, Agrotis 10664  
**interpuncta** Grote, Colobochyla 8411  
*interpunctalis* Hübner, Plodia 6019  
**interpunctella** Hübner, Plodia 6019  
**interrogans** Walker, Franclemontia 9444  
**interrogationis** Fabricius, Polygonia 4420  
*interrupta* Draudt, Cisthene 8066  
**interrupta** Guenée, Acronicta 9237  
*interrupta* Walker, Perigonia 7846  
**interrupta** Zeller, Lineodes 5108  
*interruptata* Rebel, Costaconvexa 7416  
**interruptella** Ragonot, Cacoelia 5586  
**interruptolineana** Fernald, Zomaria 2750  
*interruptomarginata* Palisot de Beauvois, Haploa 8107  
**intertexta** Walker, Aethalura 6570  
**intestinata** Guenée, Horisma 7445  
*intextata*.– auct., Aethalura 6570  
*intractaria* Walker, Anacamptodes 6584  
**intractata** Morrison, Himella 10502  
**intractata** Walker, Thysanopyga 6711  
*intractella* Walker, Achyra 4975  
*intraria* Guenée, Anacamptodes 6584  
*intrataria* Walker, Ectropis 6597  
*intricatalis* Lederer, Nealgedonia 4956  
*intricatalis* Möschler, Herpetogramma 5274  
*introferens* Grote, Euxoa 10731  
*intrusata* Walker, Orthonama 7414  
*inuitata* H. Edwards, Synanthedon 2550  
*inusta* Guenée, Bagisara 9168  
*invariata* Walker, Pleuroprucha 7132  
*invenustalis* Walker, Hydriris 5127  
*inversa* Packard, Clostera 7896  
*inversata* Nakahara, Colias 4209 (ab.)  
**inversella** Zeller, Dichomeris 2310  
*inexata* Walker, Lambdina 6889  
*invisalis*.– auct., Aethiophysa 4877  
*involuta* Walker, Zale 8697  
*involutellus* Clemens, Crambus 5355  
*involutellus*.– Zeller, Crambus 5357  
**involutum** Sepp, Eupseudosoma 8257  
**io** Fabricius, Automeris 7746  
*io* Guérin-Ménéville, Paonius 7826  
*iochora* Zeller, Adela 227  
*iochroa* Walsingham, Adela 227  
**iocyanus** Heppner, Tortyra 2653.1  
*iole* auct., Vanessa 4434  
**iole** Boisduval, Nathalis 4248  
*iole* Grote, Condia 9693  
*ioloncha* Meyrick, Brachyacma 2272  
*iowa*.– Plötz, Anatrystone 4051  
*ipomaeae* Doubleday, Schizura 8005  
*ipomoeae* Bradley, Bedellia 466  
**ipomoeae** Busck, Pebops 1499  
**ipomoeae** Doubleday, Schizura 8005  
**ipomoeae** Harris, Syntomeida 8282  
*ipomoealis* Capps, Herpetogramma 5273  
**ipsilon** Hufnagel, Agrotis 10663  
*irakella* Amsel, Cadra 6022  
*irene* Fitch, Nathalis 4248 (f.)  
*iridana* Barnes & Busck, Platynota 3732  
**iridaria** Guenée, Dichorda 7053  
**iridipennella** Clemens, Strobisia 2253  
*irrecta* Walker, Hemeroplanis 8467  
*irregularis*.– R. Felder & Rogenhofer,  
**irrenosa** Guenée, Lepidomys 5550  
*irresoluta* Walker, Elaphria 9679  
*irridipennella* Forbes, Strobisia 2253  
**irrigualis** Möschler, Phlyctaina 8392  
*irrorata* Grote, Pithodis 8752  
*irrorata* Packard, Oreta 6255 (f.)  
**irroratalis** Dyar, Eoparargyractis 4785  
**irus** Godart, Callophrys 4325  
**isa** Hodges, Dichomeris 2301.2  
*isabella* H. Edwards, Catocala 8873 (f.)  
**isabella** J. E. Smith, Pyrrharctia 8129  
*isatis* Debauche, Darapsa 7885 (ab.)  
*ischnomorpha* Meyrick, Ephestia 6020  
*ishkal* Schaus, Manduca 7782  
*islandana* Kearfott, Ecdytolopha 3498  
*ismeria* Boisduval & Leconte, Chlosyne 4490  
**isola** Reakirt, Hemiargus 4360 (p. 62)  
*isonephes* Meyrick, Glyphidocera 1142  
**isophthalma** Herrich-Schäffer, Brephidium 4354  
*isophthalma* Pavulaan, Brephidium 4354  
**istapa** Reakirt, Strymon 4345  
*itealis* Walker, Parapoxyn 4764  
**ithacae** Beutenmüller, Carmenta 2600  
**iulia** Fabricius, Dryas 4416  
**ivae** Busck, Aristotelia 1743  
**ivana** Fernald, Argyrotaenia 3627  
**ivella** Busck, Bucculatrix 517  
*ixenta* Meyrick, Aethes 3815  
*ixion* Linnaeus, Aelops 7847  
**jacchusalis** Walker, Zanclognatha 8352  
*jacksoni* A. H. Clark, Vanessa 4435 (ab.)  
**jaculifera** Guenée, Feltia 10670  
*jaculifera*.– auct., Feltia 10674  
**jaguaralis** Hampson, Spragueia 9128  
**jaguarina** Guenée, Schinia 11132  
**jair** Strecker, Catocala 8879  
*jamaica* Schaus, Cymaenes 3996  
*jamaicensis* B. P. Clark, Erinnyis 7837  
*jamaicensis* Cockerell, Cydosis 9000  
**jamaicensis** Drury, Smerinthus 7821  
**jamaicensis** Möschler, Callopistria 9630.1  
**jamaicensis** Schaus, Pyrrhocallus (p. 62)  
**janae** Hodges, Ymeldia 2216  
**janassialis** Walker, Diasemiodes 5172  
*janiphae* Boisduval, Erinnyis 7833  
*janualis* Grote, Xestia 10967  
**januaris** Guenée, Melipotis 8603  
**jarbusalis** Walker, Synclera 5196  
**jasminearum** Guérin-Ménéville, Manduca 7783  
*jasonalis* Walker, Omiodes 5211  
*jaspidaria* Hulst, Phrudocentra 7051  
*jatrophae* Fabricius, Cocytus 7772  
**jatrophae** Johansson, Anartia 4443  
**jejunata** McDunnough, Eupithecia 7486  
*jocasta* Strecker, Catocala 8845  
**jocosa** H. Edwards, Clostera 7896a  
*johnsoni* Swett, Lambdina 6888  
*jole* Cramer, Vanessa 4434  
*jonesi* Barnes & Benjamin, Cryptothelea 442  
**jonesi** Brower, Thaumatogetra 3751  
*jordani* Barnes & Benjamin, Hemaris 7855  
*juanita* Schaus, Orodessa 8644  
*juanita* Scudder, Atlides 4270  
*jucunda* Boisduval & Leconte, Eurema 4243a (f.)  
**jucunda** Hübner, Melipotis 8607  
*jucundaria* Strecker, Cephus 6834  
*jucundissima* Fine, Syntomeida 8284a  
**jucundissima** Dyar, Syntomeida 8284a  
**juglandana** Fernald, Argyrotaenia 3622  
*juglandiella* Clemens, Cameraria 811  
**juglandifoliella** Clemens, Stigmella 95  
*juglandis* J. E. Smith, Laothoe 7827  
**juglandis** LeBaron, Acrobasis 5661  
*julia* auct., Dryas 4416  
**julia** Powell, Ethmia 997  
*julialis*.– auct., Pyrausta 5040  
**julianalis** Walker, Dicymolomia 4889  
*juncicola* Guenée, Leucania 10455  
*juncicola*.– Kimball, Leucania 10457  
**juncidella** Clemens, Dichomeris 2298  
*juncta* W. P. Comstock, Dryas 4416  
*juncticilana*.– Heinrich, Eucosma 3120  
*juncturalis* Walker, Pyrausta 5050  
*juncturaria* Guenée, Eusarca 6933  
*juniperaria* Packard, Patalene 6974b  
*juniperella* Adamski, Glyphidocera 1136.1  
*jurgiosa* Walker, Ephyrodes 8582  
*jussieuae* Hübner, Eumorpha 7865  
**juvenalis** Fabricius, Erinnyis 3947  
**kalmiae** J. E. Smith, Sphinx 7809  
*kanawahensis* Sweadner, Chermock & Chermock,  
*Ceratonia* 7789 (race)  
*kansensis* Howe & Howe, Ceratonia 7789  
**kappa** Grote, Homohadena 10065  
**kappeli** Anken, Hermeuptychia 4574  
**karacana** Kearfott, Sparganothis 3718  
*kearfottella* Dietz, Xylesthia 317  
**kearfottella** Dyar, Acrobasis 5663  
*kedema* Butler, Atalopodes 4049  
*keetenai* Cockle, Colias 4210 (f.)  
*keewaydin* W. H. Edwards, Colias 4210  
*kefersteinii* Plötz, Urbanus 3889  
*kellicotti* Meyrick, Leioptilus 6212  
**kellicottii** Fish, Leioptilus 6212  
**kempae** Munroe, Hellula 4848  
**kempella** Eyer, Pseudopostega 124  
*kendalli* Rotté, Orgyia 8313  
**kentuckiensis** Dyar, Cisthene 8061  
*kervillaria* Cassino & Swett, Tornos 6487  
**kimballi** Braun, Bucculatrix 516  
**kimballi** Duckworth, Menestomorpha 1029  
**kimballi** Heppner, Diploschizia 2346.1  
**kimballi** Heppner, Episinus 2702.2  
**kimballi** Hodges, Dichomeris 2310.1  
**kimballi** Klots, Microcrambus 5424  
**kimballi** Lange, Chrysandeton 4745  
**kimballi** Munroe, Palpita 5219  
**kimballi** Obratsov, Argyrotaenia 3600  
*kimballi* Rindge, Tornos 6487  
**kingi** Klots & Clench, Satyrium 4284  
**kinzelella** Busck, Nealyda 1682  
*kiowah* Reakirt, Euphyes 4078a  
*kirtlandi* Field, Libytheana 4410 (f.)  
*klagesii* Ehrmann, Estigmene 8131

- klotsi** L. Miller, Harvey, & J. Miller, 4071b  
*knobelaria* Cassino, Nemoria 7033  
*koebeli* H. Edwards, Carmenta 2600  
*krautwormi* Chermock, Acronicta 9257 (f.)  
*krautwormii*– Forbes, Acronicta 9257 (var.)  
*kuchinella* Bolle, Ephestia 6020  
*kuehniella* D'Utra, Ephestia 6020  
*kuehniella* Zeller, Ephestia 6020  
*kühmiella* Poulton, Ephestia 6020  
*kuhniella* Adkin, Ephestia 6020  
*kühiella* Zeller, Ephestia 6020  
*kurhniella* Johnson, Ephestia 6020  
*kutisi* Heppner, Diploschizia 2345.2  
*kutisi* Heppner, Ethmia 999.1  
*kuwanii* Heinrich, Martyringa 1066  
*kyotensis* Matsumura, Autosticha 1010.1  
*labe* Strecker, Schinia 11112  
*labecula* Grote, Balsa 9664  
*labeculaa* Hulst, Lophosis 7181  
*labruscae* Linnaeus, Eumorpha 7866  
*laceyi* Barnes & McDunnough, Lagoa 4643  
*lachrymosa* Kimball, Catocala 8794  
*laciniosa* Zeller, Bomolocha 8442  
*lacoalis* Walker, Polygrammodes 5228  
*laccordairei* Boisduval, Anteos 4227a  
*lacrimens* Niepelt, Actias 7758  
*lacrmosa* Guenée, Catocala 8794  
*lactata* Smith, Haploa 8108  
*lactea* Manon, Lymantria 8318  
*lacteella* Fabricius, Argyria 5463  
*lacteadactylus* Chambers, Leiopitilus 6213  
*lacteola* Lintner, Ideia 7120  
*lacteolata* auct., Ideia 7120  
*lacteus* Gunder, Chlosyne 4490 (ab.)  
*lactiflosella* Chambers, Glyphidocera 1139  
*lacustrata* Guenée, Xanthorhoe 7390  
*lacyi* Barnes & McDunnough, Lagoa 4643  
*ladon* Cramer, Celastrina 4363  
*laena* Druce, Ephyrades 8582  
*laeta* Geyer, Lactura 2405  
*laeta* Guérin-Ménéville, Holomelina 8114  
*laeta* Hodges, Periploca 1573  
*laetifica* J. B. Smith, Acronicta 9227  
*laetulus* Grote, Lomanaltes 8455  
*laevigata* Grote, Zanclognatha 8345  
*laevitaria* Geyer, Leptostales 7177  
*lagore* Druce, Ommatocila 8489  
*lagunculariae* Dyar, Nola 8997  
*lagunculariae* Heppner, Episimus 2702.4  
*lagunculariella* Busck, Anacamptis 2240  
*laidion* Zeller, Zamagiria 5739  
*lamberti* Franclemont, Sparganothis 3725.1  
*lamialis* Walker, Neocatantylus 4743  
*lamiana* Clemens, Ancylos 3374  
*lamina* Fabricius, Limentis 4522  
*laminis* J. B. Smith, Euxoa 10805  
*lanariella* Clemens, Tineola 426  
*lanceolaria* Grote, Acronicta 9274  
*lanceolata* Hulst, Lobocleta 7098  
*lanceolata* Walsingham, Erechthias 303  
*lanice* Lintner, Kricogonia 4235 (f.)  
*lanista* Meyrick, Diploschizia 2345  
*lantana* Busck, Crocidosema 3274.1  
*lantana* Busck, Lantanophaga 6119  
*lantanadactyla* Amsel, Lantanophaga 6119  
*lanuginosa* Clemens, Megalopyge 4647  
*laphygmoides* Walker, Conidia 9698  
*laphyra* Druce, Eublemma 9077  
*laphyra* Druce, Eublemma 9078  
*lapidaria* Haimbach, Zale 8700 (f.)  
*lapillata* Guenée, Orthonama 7414  
*lappella* Linnaeus, Metzneria 1685  
*laqueata* H. Edwards, Calidota 8224  
*lara* Druce, Antiblemma 8577  
*larentiodes* Rings & Rings, Phalaenostola 8364  
*larentioides* Grote, Phalaenostola 8364  
*largalis* Munroe, Plumegesta 4880  
*largalis* Walker, Pyrausta 5044  
*largo* Clench, Dryas 4416a  
*largo* Heppner, Cydia 3493.1  
*laricana* Busck, Cydia 3449  
*larina* Druce, Massala 8586  
*larvalis* Grote, Renia 8386  
*lassauxii* Boisduval, Erinyis 7833  
*lassula* Hodges, Ithome 1643  
*lata* Robinson, Xenotemna 3693  
*lataria* Walker, Semiothisa 6325.1  
*latebricola* Grote, Baileya 8971  
*laterana* Robinson, Platynota 3732  
*latercula* Hampson, Plodia 6019  
*lateritiaria* Guenée, Metarranthus 6829  
*latia* Strecker, Parapamea 9463  
*latiaria* Packard, Nemoria 7048  
*laticapitella* Clemens, Pigritia 1232  
*laticincta* Walker, Probosc 6837  
*laticlavata* Clemens, Lithacodes 4665  
*laticlavata* Grote & Robinson, Pyrausta 5070  
*laticlavata* Morrison, Enigmogramma 8886  
*laticornella* Clemens, Coleophora 1291  
*latifacata* Tietz, Spodoptera 9670  
*latifascia* Walker, Spodoptera 9670  
*latifasciella* Chambers, Stigmella 88  
*latifasciella* Chambers, Telphusa 1857  
*latifasciella* Walker, Nyctea 8975  
*latiferreana* Walsingham, Cydia 3494  
*latiferrugata* Walker, Eumacaria 6272  
*laticornata* Walker, Caripeta 6868  
*latiorella* Walker, Arugisa 8509  
*latipalpis* Walker, Hormoschista 8488  
*latipennella* Chambers, Tischeria 143  
*latipennis* Hulst, Dichorda 7053a  
*latipes* Guenée, Mocis 8743  
*latirupta* Walker, Costaconvexa 7416  
*latiuscula* Herrich-Schäffer, Leucania 10454  
*latiuscula*– auct., Leucania 10450  
*latiuscula*– auct., Leucania 10454.1  
*lativittellus* Zeller, Crambus 5357  
*latomia* Harvey, Apoda 4668  
*latro* Hodges, Chionodes 2087.1  
*laudabilis* Guenée, Lacinipolia 10411  
*laudatella* Walker, Pyralis 5515  
*laurae* F. Chermock, Colias 4210 (ab.)  
*laurea* Druce, Characoma 8974  
*laurelae* L. Brown, Eichlin & Snow, Carmenta 2591.1  
*laurentioides* Knudson & Bordelon, Phalaenostola 8364  
*lauta* Munroe, Diatraea 5175a  
*lautana* Fernald, Sereda 3425  
*lautaria* Hübner, Scopula 7149  
*lavaterana* Millière, Crocidosema 3274  
*lavina* W. P. Comstock, Junonia 4442  
*lavinia*– auct., Junonia 4442  
*lbostigma* Cockerell, Anomis 8550 (f.)  
*leachellus* Zincken, Crambus 5357  
*leada* Druce, Gonodes 9687  
*lecontei* Rothschild & Jordan, Eurytides 4184 (f.)  
*legitima* Grote, Trichodestra 10304  
*legnotoa* Hodges, Dichomeris 2297.3  
*leguminana* Busck, Rudenia 3835  
*leilae* A. H. Clark, Autochton 3902 (ab.)  
*lemmeri* Barnes & Benjamin, Dasychira 8302  
*lemmeri* Barnes & McDunnough, Lithophane 9899  
*lemmeri* Barnes, Hypagyrtis 6655  
*lemmeri* Mayfield, Catocala 8847 (f.)  
*lenta* Meyrick, Keiferia 2047  
*lentaria* Hulst, Stenaspilotes 6746  
*lentiflualis* Zeller, Aethiophysa 4877  
*lentiginosana* Walsingham, Sparganothis 3731  
*leo* Gmelin, Polygonus 3872  
*leo* Guenée, Spragueia 9127  
*leodocusalis* Walker, Diasemiopsis 5171  
*leodura* Staudinger, Balsa 9662  
*leonardus* Harris, Hesperia 4023 (p. 62)  
*lepidophaga* Clarke, Calosima 1169  
*lepidophaga* Clarke, Calosima 1169  
*lepidopteris* Dyar, Astala 443  
*leptophaga* Knudson & Bordelon, Calosima 1169  
*leptinoides* Grote, Schizura 8011  
*leptosceles* Walsingham, Diataga 315  
*lepusculina* Guenée, Acronicta 9205  
*lespedezae* Walsingham, Cosmopterix 1482  
*leucaniella* Walker, Diatraea 5475  
*leucillana* Zeller, Antaeotricha 1014  
*leucodactyla* Fabricius, Megalorhipida 6104  
*leucodesma* Felder & Felder, Janatella 4479 (p. 62)  
*leucogramma* Hampson, Pentheselea 5554  
*leucographa* Geyer, Orgyia 8316  
*leucomelana*– auct., Melipotis 8604  
*leuconota* Zeller, Evippe 1770  
*leucophaea* J. E. Smith, Dasychira 8301  
*leucospila* Walker, Amaryna 9070  
*leucospila* Walker, Anticarsia 8574  
*leucostigma* J. E. Smith, Orgyia 8316  
*leuschneri* Munroe, Phlyctaenidia 4955  
*levalis* Hulst, Eulepte 5195  
*levipedella* Clemens, Anacamptis 2241  
*levitans* J. B. Smith, Baileya 8972  
*therminier* Latreille, Nastra 3993  
*therminieri* Godart, Anthocharis 4207  
*therminieri*– auct., Nastra 3993  
*libator* Hodges, Batrachedra 1415  
*libella* Grote, Scoparia 4716  
*libera* Strecker, Orgyia 8316  
*liburna* Geyer, Scolecocampa 8514  
*licastus* Cramer, Callionima 7844  
*licealis* Walker, Achyra 4975  
*lichas*– auct., Empyreuma 8272  
*ligata* Grote, Leucania 10439  
*ligni* Guenée, Scolecocampa 8514  
*lignicolor* Walker, Oligocentria 8017  
*lignicolorella* Braun, Tanygona 1500  
*ligniferella* Walker, Opogona 432.1  
*lignigera* Walker, Oligocentria 8017  
*lignosellus* Zeller, Elasmopalpis 5896  
*lignonella* Zeller, Parapediasia 5450.1  
*ligulella* Hübner, Dichomeris 2281  
*lilith* Strecker, Automeris 7746  
*lima* Guenée, Pterichodis 8750  
*limacodella* Walker, Hyblaea 6088  
*limata* Grote & Robinson, Pantographa 5241  
*limbalis* Grote, Schinia 11128  
*limbata* Haworth, Nematocampa 7009  
*limbipennella* Clemens, Plutella 2366  
*limbolaris* Geyer, Drasteria 8641  
*limboundata* Haworth, Scopula 7159  
*limenia* Hewitson, Strymon 4346  
*limitana* Forbes, Pandemis 3594  
*limitaris* Guenée, Melipotis 8599  
*limitata* Möschler, Melipotis 8598  
*limitata* Robinson, Pandemis 3594  
*lincolnana* Brower, Catocala 8860  
*linda* W. H. Edwards, Eurema 4238  
*linea* Fabricius, Spodoptera 9672 (f.)  
*lineana* Fernald, Tsinilla 2865  
*linearella* Zeller, Xubida 5499  
*lineata* Druce, Rifargia (p. 62)  
*lineata* Fabricius, Hyles 7894  
*lineata* Walker, Diastema 9067  
*lineata* Walker, Schinia 11149  
*lineatella* Harvey, Spodoptera 9669  
*lineatella* Zeller, Anarsia 2257  
*lineella* Grote, Catocala 8878.1  
*lineigera* Hodges, Melanoclinis 1503  
*lineosa* Walker, Zale 8697  
*lineosa*– Franclemont, Zale 8692  
*lineosella* Walker, Diatraea 5475  
*linita* Guenée, Leucania 10440  
*linnei* Grote & Robinson, Eumorpha 7864  
*linnerana* Speyer, Nyctea 8975  
*linneri* Cockerell, Hemileuca 7730  
*linneri* Fitch, Nymphalis 4432 (ab.)  
*linneriana* Grote, Archips 3658  
*liopasialis* Dyar, Mimophobeton 5237  
*liophanes* Meyrick, Exelastis 6142.2  
*liparops* Leconte, Satyrium 4285  
*liparops* Leconte, Satyrium 4285a  
*liquida* Möschler, Gonodes 9687  
*liquidambarella* Dyar, Nephopterix 5802  
*liquidambarisella* Chambers, Phyllocnistis 848  
*liriodendrana* Kearfott, Endopiza 2711  
*liriodendrana* J. E. Smith, Epimecis 6599  
*lisa* Boisduval & Leconte, Eurema 4237  
*lisetta* Dyar, Diatraea 5481  
*litchivora* Baixeras, Crocidosema 3274.2  
*lithella* Busck, Lampyrolophus 2495  
*lithosina* Zeller, Antaeotricha 1013  
*lithosioides* Dyar, Crambida 8044  
*lithospila* Grote, Acronicta 9266  
*littera* Guenée, Fagitalia 9629  
*littora* Bethune-Baker, Characoma 8974  
*lituralis* Hübner, Zanclognatha 8340  
*liturata* Goetze, Hyphantria 8140  
*liturella* Walker, Menesta 1030  
*lituroella* Zeller, Chionodes 2093  
*lividialis*– auct., Ophiuche 8456  
*livorella* Zeller, Holocera 1175  
*livorella* Zeller, Holocera 1175  
*livornella* Kimball, Holocera 1175

*livornella* Kimball, Holcocera 1195  
*litalis* Grote, Tetanolia 8366  
*lixaria* Guenée, Nemoria 7033  
*loammi* Whitney, Atrytonopsis 4080b  
*lobeliae* Guenée, Acronicta 9238  
*lobrega* Adams, Leucania 10463.1  
*logan* W. H. Edwards, Anatrityone 4051  
*logiana* Clerck, Acleris 3540  
*lombardica* Hering, Monopis 415  
*lonchocarpella* Busck, Stilbosis 1611  
*longa* Grote, Leucanopsis 8217  
*longa* Guenée, Acronicta 9264  
*longifieldae* Hayes, Neogalea 10032  
*longifasciella* Clemens, Telphusa 1858  
*longinella* Zagulajev, Cephitinea 324  
*longipalpa* Morrison, Thaumtopsopsis 5439  
*longipalpella* Ragonot, Peoria 6042  
*longipectinaria* A. Blanchard & Knudson, Hypomecis 6440.1  
*longipennata* Packard, Lobocleta 7100  
*longipes* Möschler, Podosesia 2589  
*longleyi* French, Ancyloxypha 4004  
*lora* Streckler, Schinia 11137  
*lorata* Grote, Tetracis 6964  
*lorina* Druce, Orodema 8644  
*lotella* Constant, Dichomeris 2284  
*louisa* Hulst, Synchlora 7064  
*louisa* J. B. Smith, Pseudacontia 10171  
*louisae* J. Bauer, Catocala 8848  
*louisiana* Forbes, Macrochilo 8361  
*louisiana* Holland, Calophelis 4386  
*lualis* Herrich-Schäffer, Diaphania 5208  
*lubricalis* Geyer, Idia 8334  
*lubricans* Guenée, Euagrotis 10901  
*lucayus* Rothschild & Jordan, Battus 4158a  
*luccusalis* Walker, Samea 5150  
*lucens* Morrison, Schinia 11174  
*lucernalis* Hübner, Diaphania 5204  
*lucetiella* Clemens, Phyllonorycter 764  
*lucia* W. Kirby, Celastrina 4363  
*lucida* Braun, Tischeria 130  
*lucidalis* Walker, Ozamia 5987.1  
*lucidata* Walker, Fagitana 9629  
*lucidella* Adamski, Calosima 1169.1  
*lucimargina* Scott, Celastrina 4363 (f.)  
*lucinda* Beutenmüller, Catocala 8857 (f.)  
*luctuosus* Boisduval, Enyo 7851  
*luda* Druce, Tripudia 9006  
*luggeri* H. Edwards, Paranthrene 2527  
*lugubris* Boisduval, Pseudothyris 6077  
*lugubris* Felder & Rogenhofer, Cryptaspasma 2700.1  
*lugubris* Linnaeus, Enyo 7851  
*lugubus* Bönninghausen, Enyo 7851  
*luminosa* Neumoegen, Synanthedon 2583 (var.)  
*luna* Linnaeus, Actias 7758  
*lunata* Drury, Zale 8689  
*lunata* Hampson, Caularis 9306  
*lunatoides* Strand, Zale 8689 (f.)  
*lunearis* McDunnough, Melipotis 8599  
*lunella* Noel, Ephestia 6020  
*lunifera* Hübner, Zale 8713  
*lunifera*—auct., Zale 8692  
*lunigerella* Hampson, Stylopalpia 5820.1  
*lunilinea* Grote, Spiloloma 8769  
*lunodes* Guenée, Paectes 8960.1  
*lunodes*—Grossbeck, Paectes 8960  
*lunulalis* Hulst, Oneida 5588  
*lupatus* Grote, Heliocheilus 11073  
*lupinella* Busck, Anacamptis 2242  
*lupulinis*—auct., Ostrinia 4949  
*luridula* Guenée, Anomis 8549  
*luridula* Hulst, Hypomecis 6437  
*lusca* Fabricius, Perigonia 7846  
*luscinata* Zeller, Costaconvexa 7416  
*lustralis*—Grossbeck, Lacinipolia 10424  
*lustrans* Grote, Carmenta 2596  
*lutaria* Walker, Ennomos 6797  
*lutea* Druce, Agrotis 10664  
*luteicoma* Grote & Robinson, Acronicta 9257  
*luteicostella* Ragonot, Peoria 6054  
*luteifera* Dyar, Eudeilinia 6254  
*luteipennis* Strand, Eublemma 9078  
*luteitincta* Wolcott, Colias 4210 (ab.)  
*luteo* J. B. Smith, Arugisa 8509  
*luteocosta* Franclemont, Lithophane 9887 (f.)  
*luteolus* Reakirt, Nathalis 4248 (f.)

*luteopulvella* Chambers, Pigritia 1246  
*luteostrigella* Chambers, Polyhymno 2211  
*lutescens* B. P. Clark, Darapsa 7885 (ab.)  
*lutescens* Blanchard, Agrotis 10664  
*lutescens* J. E. Smith, Darapsa 7884  
*lutheri* Cockerell, Automeris 7746  
*lutina* J. B. Smith, Marilopteryx 10633  
*lutos*—Rings & Rings, Apamea 9367  
*lutosana* Clemens, Argyrotaenia 3597  
*lutraula* Meyrick, Telphusa 1858  
*luxa* Grote, Condica 9696  
*luxuriosa* Grote, Schinia 11174  
*lycastus* Walker, Callionima 7844  
*lyciades* Geyer, Achalarus 3904  
*lycialis* Walker, Herpetogramma 5272  
*lycidas* J. E. Smith, Achalarus 3904  
*lycopersicella* Busck, Keiferia 2047  
*lycopersicella* Walsingham, Keiferia 2047  
*lycopersici* Boisduval, Manduca 7775  
*lyde* Druce, Metallata 8573  
*lydanus* Dyar, Eurhypharodes 5122  
*lydia*—dos Passos, Eureka 4243a  
*lygdamis* Druce, Eurhypharodes 5122  
*lyncea* Clemens, Pachylia 7841  
*lynx* Guenée, Schinia 11117  
*lyonetiella* Chambers, Mompha 1443  
*lyside* Godart, Kricogonia 4235  
*lytrea*—auct., Anarta 4444  
*m-album* Boisduval & Leconte, Parrhasius 4335  
*maasseni* Kirby, Actias 7758  
*macareus* Herrich-Schäffer, Thespieus 4124 (p. 62)  
*macdonaldi* Benjamin, Chytonix 9557  
*maclurae* Riley, Sericoplaga 4991  
*macmurtrei* Guérin-Ménéville, Prionoxystus 2694  
*macra* Guenée, Spodoptera 9666  
*macrinellus* Zeller, Carectocultus 5307  
*macrocarpae* T. N. Freeman, Stigmella 88  
*macropterella* Zeller, Thaumtopsopsis 5439  
*macratoides* Barnes & McDunnough, Oligia 9406  
*macula* Druce, Schrankia 8431  
*macula* Reiff, Hyalophora 7767  
*maculabella* Chambers, Diachorisia 279  
*maculalis* Clemens, Parapoynx 4759  
*maculalis* Westwood, Desmia 5160  
*maculana* Fernald, Ricala 3416  
*maculata* Grote, Manduca 7776  
*maculata* Harris, Thyris 6076  
*maculata* W. H. Edwards, Oligoria 4114  
*maculidorsana* Clemens, Acleris 3543  
*maculifascia* Hulst, Digrammia 6358  
*maculimarginella*—Kimball, Chionodes 2079  
*maculipennis* Curtis, Plutella 2366  
*maculosa* Tengström, Argyresthia 2449  
*madagascariensis* Saalmüller, Etiella 5744  
*madetesalis* Walker, Pyrausta 5060  
*maderisalis* Hampson, Pyrausta 5060  
*madusaria* Walker, Euchlaena 6731  
*maerula* Fabricius, Anteos 4227  
*maesites* Herrich-Schäffer, Chlorostyrmion 4271  
*maestosa* Hulst, Catocala 8793  
*maestosa* Hulst, Protoboaemia 6598  
*magdalena* Fernald, Daulia 5295  
*magistralis* Grote, Herpetogramma 5277  
*magnalis* auct., Hileithia 5187  
*magnaria* Guenée, Ennomos 6797  
*magnatella* Zeller, Mompha 1443  
*magnella* Chambers, Bucculatrix 487  
*magniferalis* Walker, Palpita 5226  
*magniferaria* Walker, Lobocleta 7094  
*magnifica* Bailey, Cossula 2674  
*magnifica* Neumoegen, Ponometa 9115  
*magnifica* Streckler, Cossula 2674  
*magnificalis* Hübner, Neocatantylus 4743  
*magnificans* Dyar, Zophodia 5968  
*magnoliaeella* Chambers, Phyllocnistis 851  
*magnoliaella* Busck, Phyllocnistis 851  
*magnoliialis* Capps, Euzophora 5996  
*magnoliana* Kearfott, Endopiza 2711  
*magnoliella* Dyar, Phyllocnistis 851  
*magnoliella* Forbes, Phyllocnistis 851  
*magualis* Guenée, Hileithia 5187  
*maharpa* Schaus, Anicla 10911  
*maia* Drury, Hemileuca 7730  
*maizi* Fitch, Euxoa 10805  
*major* B. P. Clark, Perigonia 7846 (f.)  
*major* Dufrane, Achroia 5623 (f.)

*major* Fuchs Lymantria 8318  
*major* Grote & Robinson, Datana 7905  
*major* J. B. Smith, Feralia 10007  
*major* Speyer, Discestra 10223  
*major* Zeller, Elasmopalpis 5896  
*majoraria* Guenée, Eusarca 6941  
*majorella* Costa, Etiella 5744  
*majorella* Dietz, Setomorpha 428  
*majoriella* Busck, Amydria 335  
*majuscula* H. Edwards, Cydosia 8999 (f.)  
*majuscula* Haworth, Peridroma 10915  
*majuscula* Herrich-Schäffer, Deuterolyta 5582  
*malacella* Dyar, Cassiana 5933.1  
*malachitana* Zeller, Eumaroza 2749  
*malana* Fitch, Balsa 9662  
*malanogrammos* Hulst, Pococera 5597  
*malefida* Guenée, Agrotis 10661  
*malifoliella* Fitch, Dichomeris 2281  
*maligenmella* Murtfeldt, Holcocera 1175  
*malloi* Pastrana, Arcola 5908.1  
*mamurraria* Guenée, Hypagyrtis 6654  
*mana* Kearfott, Ecdytolopha 3498  
*manalis* Walker, Bomolocha 8441  
*manataqua* Scudder, Polites 4042  
*mancalis* Lederer, Hahncappisia 4967  
*mandane* Druce, Galgula 9688  
*mandarinella* Dietz, Tinea 400  
*manifesta* Morrison, Trichosilia 10679.1  
*manihotalis* Guenée, Pyralis 5515  
*manihotalis*—Matsumura, Pyralis 5510  
*manilkara* Heppner, Dichrorampha 3414.2  
*manitoba* Grossbeck, Cleora 6595  
*manitobae* B.P. Clark, Laothoe 7827  
*manitobensis* Swett, Xanthotype 6743  
*manteo* Doubleday, Lochmaeus 7998  
*manto* Streckler, Dasychira 8307  
*manueli* Bell & W. P. Comstock, Polygonus 3873 (p. 62)  
*marceata* Cassino, Idaea 7121  
*marcellus* Cramer, Eurytides 4184  
*marcia* Druce, Osminia 2545  
*marcia* Dyar, Synanthedon 2566  
*marcia* W. H. Edwards, Phyciodes 4481 (f.)  
*marcia*—W. G. Wright, Phyciodes 4480  
*marcida* Guenée, Mocis 8744  
*marcidana* Zeller, Ancylys 3370  
*marcidilinea* Grote, Zanclognatha 8352  
*marculenta* Grote & Robinson, Hahncappisia 4962  
*margalaestriata* Keuchenius, Setomorpha 428  
*margana* Fabricius, Spragueia 9132  
*margaretae* dos Passos, Callophrys 4326a  
*margarita* Draudt, Polites 4045  
*margarita* Hübner, Appias 4190  
*margaritae* Berg, Eublemma 9077  
*margaritana* Clemens, Pseudothyris 6077  
*margaritosa* Haworth, Peridroma 10915  
*marginalis* Grote, Hemaris 7855  
*marginalis* Stoll, Diaphania 5204  
*marginalis* Walker, Zale 8689  
*marginata* Druce, Holomelina 8122  
*marginata* Fabricius, Catocala 8773  
*marginata* Harris, Pennisetia 2513  
*marginata* Haworth, Schinia 11135  
*marginata* Mathew, Orthonama 7414  
*marginata* Schaus, Gorgythion 3933a  
*marginata* W. H. Edwards, Celastrina 4363  
*marginata* Walker, Oreta 6255  
*marginatus* Harris, Ancyloxypha 4004  
*marginella* Fabricius, Dichomeris 2282  
*margorieella* Dietz, Amydria 335  
*margoriella* Dietz, Amydria 335  
*maria* W. H. Edwards, Colias 4209  
*mariae* Benjamin, Actias 7758  
*mariana* Fernald, Argyrotaenia 3625  
*marica* Beutenmüller, Synanthedon 2566  
*marina* Packard, Misogada 7974  
*marina* Reakirt, Leptotes 4357 (p. 62)  
*marinensis* McDunnough, Euxoa 10805  
*marita* Schaus, Antiblemma 8577 (f.)  
*maritima* T. N. Freeman, Choristoneura 3643a  
*maritima* W. H. Edwards, Cercyonis 4587  
*marius* Cramer, Marpesia 4549  
*marjorieella* Dietz, Amydria 335  
*marmoraris* Guenée, Melipotis 8598  
*marmoratus* Grossbeck, Pero 6754  
*marmorea* Schneider, Lymantria 8318

- marmorea*.—Druce, Spragueia 9131a  
*marmorella* Chambers, Nemapogon 266  
*mars* Fabricius, Strymon 4343  
*marthesia* Cramer, Macrurocampa 7975  
*martialis* Herrich-Schäffer, Strymon 4340  
*martialis* Scudder, Erynnis 3954  
*marylandensis* Swett, Xanthotype 6743  
*masculinalis* Barnes & McDunnough, Cryptobotys 5282  
*masculinalis* Dyar, Parapoynx 4759 (f.)  
*massachusettsensis* Gunder, Vanessa 4434 (ab.)  
*massasoit* Scudder, Poanes 4058 (p. 62)  
*mathala* Druce, Oxydia 6972  
*mata* Druce, Spragueia 9124  
*matanzalis* Schaus, Epina 5468  
*materna* Linnaeus, Eudocima 8543  
*matheri* Ferguson, Dasychira 8297  
*matheri* Klots, Microcrambus 5425  
*matheri* Powell, Chimoptesis 3271  
*matheri* Sabourin & Miller, Aethes 3759.8  
*mathesoni* Busck, Batrachedra 1414  
*matronalis* Grote, Pyrausta 5060  
*matronaria* Guenée, Epimecis 6601  
*maturella* Zeller, Unadilla 5947  
*matutina* Hübner, Schinia 11168  
*mavina* Barnes & McDunnough, Plagiomimicus 9748  
*maxima* Neumogen, Phoebis 4231a  
*maximella* Chambers, Ectoedemia 43  
*maximella* Fernald, Donacula 5324  
*maxwelli* Franck, Papilio 4170 (ab.)  
*maynardi* Gauthier, Papilio 4176  
*mccrearyi* B. P. Clark, Paonius 7825  
*mcduffoughi* B. P. Clark, Hemaris 7855  
*meadi* auct., Coryphista 7290  
*meadii* Packard, Coryphista 7290  
*meanderana* Walker, Olethreutes 2817  
*medea* Leussler, Anthocharis 4207  
*medealis* Walker, Hileithia 5187  
*media* Morrison, Drasteria 8618  
*media* Morrison, Plagiomimicus 9754  
*mediabulla* Davis, Eriocraniella 13.1  
*medialis* J. B. Smith, Bleptina 8371  
*mediata* Walker, Costaconvexa 7416  
*medicinalis* Grote, Chrysandeton 4744  
*medialbana* Knudson, Pammene 3422.1  
*mediocanda* Eimer, Papilio 4159a (ab.)  
*mediocauda* Eimer, Papilio 4159a (ab.)  
*mediofasciella* Dietz, Pigritia 1232  
*mediofusca* Lambillion, Lymantria 8318  
*mediofuscella* Clemens, Chionodes 2093  
*mediostriata* Clemens, Isocorypha 299  
*mediosuffusa* Strand, Lacinipolia 10411 (f.)  
*meditata* Grote, Lacinipolia 10368  
*mediterranea* Goldschmidt, Lymantria 8318  
*medonalis* Walker, Trischistognatha 4933  
*medor* Stoll, Cocytius 7772  
*megalippe*.—auct., Danaus 4614  
*meinersi* Field, Evers 4361 (f.)  
*melanartha* Lower, Sitotroga 2260  
*melancholica* Grote, Eirynis 7835  
*melanella* Hulst, Tulsa 5809  
*melanella* Murtfeldt, Menesta 1031  
*melanic* Skinner, Colias 4209 (f.)  
*menippe* Stoll, Phoebis 4229 (f.)  
*melanocarpum* Meyrick, Helcystogramma 2269  
*melanogrammos* Zeller, Pococera 5597  
*melanographella* Ragonot, Pococera 5620  
*melanopa* Zeller, Nigetia 8440  
*melanopyga* Grote, Bellura 9523 (f.)  
*melanospila* Guenée, Janseodes 8561  
*melanosticta* Hampson, Sigela 8434  
*melanostriata* Dietz, Calosima 1197  
*melanotica* Reiff, Catocala 8878.1 (f.)  
*melantherella* Busck, Helcystogramma 2270  
*melicella* Becker, Phyllocnistis 851.1  
*melinella* Clemens, Donacula 5316  
*melinus* Hübner, Strymon 4336  
*melissia*.—Kimball, Helcystogramma 2265.1  
*mellinalis*.—auct., Epicorsia 4938  
*mellinella* Grote, Honora 5919  
*mellitula* Hulst, Catocala 8874 (f.)  
*mellonella* Linnaeus, Galleria 5622  
*mellonella* Linnaeus, Galleria 5622  
*melonostriata* auct., Calosima 1197  
*melshiemeri* Harris, Cicinnus 7662  
*memialis* Walker, Lygropia 5248  
*memorata* Ferguson, Dasychira 8298  
*menas* Doubleday, Heterocampa 7977  
*mendica* Hedemann, Steniodes 5178  
*mendica* Walker, Eubaphe 7440  
*menippe*.—auct., Danaus 4614  
*mensurata* Möschler, Ephyrodes 8582  
*mensurata* Walker, Scopula 7159  
*menthastrina* Martyn, Estigmene 8131  
*mephistaria* Reiff, Phigalia 6658 (f.)  
*mercenaria* Grote, Euxoa 10732  
*mercurius* Fabricius, Proteides 3868  
*merianae* Grote, Erinnyis 7833  
*meridiana* Slosson, Eubaphe 7441  
*meridianata* McDunnough, Hydriomena 7239a  
*meridionalis* Barnes & McDunnough, Dasychira 8298a  
*meridionalis* Barnes & McDunnough, Dasychira 8298  
*meridionalis* Dyar, Amblyscirtes 4108  
*meridionalis* Rotté, Orgyia 8316  
*meridionalis* Schmidt, Pyralis 5510  
*merkeli* Mutuura & Munroe, Dioryctria 5852.1  
*merrickata* Dyar, Paleacrita 6663  
*merrickalis* Barnes & McDunnough, Loxostegopsis 5117  
*merricki* Cassino & Swett, Lomographa 6668  
*merricki* J. B. Smith, Idia 8327  
*mesceana* Hampson, Schinia 11105  
*meskeana* Grote, Schinia 11105  
*meskei* H. Edwards, Coenipeta 8665  
*meskei* Speyer, Conidia 9690  
*meskei* W. H. Edwards, Hesperia 4030  
*mesoloba* Davis, Ectoedemia 58  
*mesospila* Zeller, Sparganothis 3720  
*messalina* Fabricius, Eureka 4239  
*messalina* Guenée, Catocala 8845  
*messelinella* Dietz, Hypatopa 1198  
*mestoralis* Walker, Condylorrhiza 5215  
*metacomet* Harris, Euphyes 4078a  
*metagrammalis* Walker, Caristanius 5742  
*metallica* Grote, Acontia 9146  
*metallicana* Walsingham, Niasoma 3694  
*metalomus* Mayfield, Catocala 8846 (f.)  
*metalphota* Hampson, Dicytomolima 4890  
*metamorphia* Dyar, Eulepidotis 8570  
*metaspilaris* Walker, Cobubatha 9012  
*metata* J. B. Smith, Zale 8708  
*metathetis* Butler, Hemaris 7855  
*metea* Scudder, Hesperia 4027 (p. 62)  
*meticulosalis* Guenée, Terastia 5239  
*metra* Stephens, Pieris 4197  
*metrocampa* Guenée, Eusarca 6941  
*mettiusalis* Walker, Diacme 5145  
*mexicana* Bastida, Tegeticula 198  
*mexicana* Draudt, Automeris 7746  
*mexicana* Strand, Amyna 9069  
*miamialis* Schaus, Omiodes 5213  
*mihabo* Grote, Grammia 8198  
*micralis* Hampson, Microcrambus 5423  
*microchrysa* Hampson, Urola 5464  
*microchrysa* Walker, Urola 5464  
*micromphalis* Hampson, Cryptobotys 5282  
*micronympha* Guenée, Catocala 8876  
*microphysa* Hulst, Idaea 7104  
*micropterata* Hulst, Idaea 7119  
*microstictalis* Hampson, Desmia 5168.1  
*micylla* Burmeister, Lerodea 4111  
*midea* Hübner, Anthocharis 4207  
*milburni* C. Rummel, Chlosyne 4490 (ab.)  
*mildredae* Franclemont, Catocala 8798 (f.)  
*millitella* Zeller, Pococera 5604  
*millburni* L. Miller & F. M. Brown, Chlosyne 4490  
*milleri* Zeller, Cadra 6023  
*mima* Harvey, Heteranassa 8659  
*mimaria* Hulst, Eusarca 6941  
*mimesis* Hodges, Dichomeris 2297.5  
*mimetis* Meyrick, Cosmopterix 1474  
*mimicata* Walker, Synchlora 7058  
*mimosaria* Guenée, Nemoria 7048  
*mineralis* Hampson, Leucochroma 5210  
*minerea* Guenée, Zale 8697  
*minereoides* Strand, Zale 8697 (f.)  
*miniata* Kirby, Hypoprepia 8089  
*minijas* Hübner, Eumaeus 4269 (p. 62)  
*minima* Grote, Pseudocharis 8286  
*minima* Guenée, Eublemma 9076  
*minima* W. H. Edwards, Copaeodes 4010  
*minimalis* Amsel, Neoleucinodes 5102  
*minimalis* Barnes & McDunnough, Bleptina 8374  
*minimalis* Grote, Zanclognatha 8349  
*minimella* Heppner, Diploschizia 2345.1  
*minimella* Ragonot, Acrobasis 5657  
*minimella* Robinson, Raphiptera 5393a  
*minimus* Neunzig, Caristanius 5743  
*ministra* Drury, Datana 7902  
*ministra*.—J. E. Smith, Datana 7905  
*ministra*.—J. E. Smith, Datana 7903  
*minnicella* Dietz, Pigritia 1246  
*minnieella* Dietz, Pigritia 1246  
*minor* Busck, Bedellia 465  
*minor* Cockerell, Vanessa 4435 (ab.)  
*minor* F. Chermock, Colias 4209 (ab.)  
*minor* Failla-Tedaldi, Vanessa 4435 (ab.)  
*minor* Forbes, Microcrambus 5422  
*minor*.—Forbes, Microcrambus 5424  
*minoralis* J. B. Smith, Zanclognatha 8343  
*minoralis* Warren, Leucochroma 5210  
*minorata* Barnes, Dypterygia 9561  
*minorata* J. B. Smith, Gabara 8524  
*minorata* J. B. Smith, Metallata 8573  
*minorella* Dietz, Holcoca 1175 (var.)  
*mint* Dyar, Tolype 7675  
*minualis* Guenée, Ophiuche 8457  
*minualis* Walker, Ufa 5895  
*minuata* Walker, Synchlora 7059  
*minuellus* Walker, Fissicrambus 5437  
*minuscule* Barnes & McDunnough, Micrathetis 9644  
*minuscule* Walsingham, Erechthias 304  
*minuscule* Zeller, Rhynchopalpus 8983  
*minuscule* Möschler, Streptopalia 5565  
*minuta* H. Edwards, Osmia 2545  
*minuta* Haworth, Tarachidia 9090  
*minuta* Schaus, Idaea 7101  
*minuta* W. H. Edwards, Catocala 8874  
*minutana* Kearfott, Epiblema 3172  
*minutella* Beutenmüller, Cosmopterix 1486  
*minutipulnella* Dietz, Nemapogon 261  
*minutipulnella* Chambers, Nemapogon 261  
*minutularia* Hulst, Scopula 7149  
*minyas* Hübner, Eumaeus 4269 (p. 62)  
*mira* Grote, Catocala 8863  
*miraculosa* Frey, Idioglossa 1072  
*miranda* H. Edwards, Catocala 8855  
*miranda* Raymundo, Gonodonta 8542.1  
*mirandalis* Hübner, Syllectra 8584  
*mirificum* Strecker, Hyblaea 6088  
*mirzah* Guenée, Azeta 8575  
*miscelalona* Chambers, Walshia 1615  
*miscelorella* Chambers, Walshia 1615  
*miscellus* J. B. Smith, Phosphila 9619 (f.)  
*miscidice* Scudder, Colias 4209 (f.)  
*miseliodes* Rings & Rings, Phosphila 9619  
*miselioides* Guenée, Phosphila 9619  
*misella* Zeller, Episcardia 325  
*misera* Grote, Oligia 9406 (f.)  
*miseralis* Walker, Pyralis 5515  
*miserulata* Grote, Eupithecia 7474  
*missippus* Linnaeus, Hypolimnas 4439  
*mississippiensis* Barnes & Benjamin, Hypoprepia 8089a  
*mistrella* Busck, Gonioterma 1032  
*mitis* Grote, Schinia 11169  
*mitius* Plötz, Atrytone 4050  
*mitographa* Grote, Oxydilla 8408  
*mixtal* Walker, Macalla 5575  
*mizaralis* Druce, Salbia 5286  
*mnesileuca* Meyrick, Bedellia 466  
*mobilenis* Heinrich, Eucosma 3126  
*mobilis* Walker, Conidia 9693  
*moctezuma* Dyar, Xanthopastis 10640  
*moderna* Grote, Catocala 8793  
*modesta* H. W. Bates, Eunice 4532  
*modesta* Harris, Pachysphinx 7828  
*modesta* Kellicott, Synanthedon 2572  
*modesta* Maynard, Strymon 4345  
*modestalis* Dyar, Zanclognatha 8345 (f.)  
*modestella* Clemens, Blastobasis 1162  
*modialis* Dyar, Diaphania 5205  
*modica* Walker, Acronicta 9244  
*modifica* Morrison, Urolonche 10567  
*modiola* Grote, Oligia 9406 (f.)  
*moeliusalis* Walker, Omiodes 5212  
*moftatiana* Fernald, Proteoteras 3235

- moftatiana* Grote, Pyreferra 9929  
**molesta** Busck, Grapholita 3426  
*molinoi* Dyar, Xanthopastis 10640  
*mollifera* Walker, Idia 8323  
*mollipedella* Clemens, Plutella 2366  
*mollis* Walker, Heterocampa 7995  
*mollissima* Rings & Rings, Callopietria 9631  
**mollissima** Guenée, Callopietria 9631  
*molpodia* Hübner, Appias 4190  
*monetifera* Guenée, Callopietria 9633  
**monilella** Barnes & Busck, Aristotelia 1748  
**moniligeralis** Lederer, Neargyractis 4769.1  
**monilis** Fabricius, Hypsoropha 8527  
**monima** Stoll, Eunice 4532  
*monitor* Packard, Euclea 4697  
*monoca* Scudder, Lerema 3998  
**monodactyla** Linnaeus, Emmelina 6234  
*monodia* Dyar, Metalectra 8502  
*monotonigra* Amsel, Pyrausta 5018  
*monotrapa* Tietz, Selenisa 8658  
*monotretalis* Mabilie, Amyna 9070  
*monotropia* Grote, Selenisa 8658  
*monroei* Martin, Omphalocera 5627  
*monstratura* Walker, Anticarsia 8574  
*montana* Barnes & Lindsey, Alucita 2313  
*montana* Cockerell, Alucita 2313  
*montana* H. Edwards, Dysodia 6078  
*montanus* Cook, Euxoa 10731 (f.)  
*monti-christi* Walsingham, Exelastis 6142.1  
**montischristi** Walsingham, Exelastis 6142.1  
*montivagus* Reakirt, Pyrgus 3968 (f.)  
**monuste** Linnaeus, Ascia 4198  
*mopsa* H. Edwards, Catocala 8857  
**mopsalis** Walker, Diame 5145  
**mopsus** Hübner, Satyrium 4275a  
*morbosa* Hulst, Episemasia 6713  
*morganta* Plötz, Polites 4045  
**mori** Linnaeus, Bombyx 7668 [domesticated]  
*moricaia* Dyar, Lobocleta 7097  
*morosaria* Walker, Macaria 6335  
*morpheus* Fabricius, Phyciodes 4481  
*morrisoni* Walsingham, Acrolophus 373  
*morrisoniana* Morrison, Agrotis 10648  
*morrisoniana* Riley, Agrotis 10648  
**morsa** J. B. Smith, Draudtia 9712  
**mortipennella** Grote, Acrolophus 366  
*mortuaria* Schaus, Orthonama 7414  
**morula** Grote & Robinson, Acronicta 9236  
*morula* H. Edwards, Carmenta 2592  
**morus** Grote, Acrolophus 367  
**muens** Hübner, Morrisonia 10511  
*mucidella*—Kimball, Phyciodes 5946  
*mucorea* Herrich-Schäffer, Heterocampa 7994  
**muliércula** Guenée, Catocala 8774  
*mulieris* Strand, Papaipema 9472  
*mulina* Möschler, Anicia 10911  
*mulleolella* Hulst, Heliades 5574  
*multifaria* Walker, Morrisonia 10511  
**multiferata** Walker, Anticlea 7330  
**multilinea** Barnes & McDunnough, Tyrissa 8650  
**multilinea** Walker, Leucania 10446 (p. 62)  
*multilinea*—Kimball, Leucania 10457  
**multilineata** Packard, Macaria 6353  
*multilineatella* Hulst, Xubida 5499  
*multilineellus* Kimball, Crambus 5364  
**multinellus** Fernald, Crambus 5364  
*multimaculella* Chambers, Setomorpha 428  
**multiplicalis** Guenée, Samea 5151  
**multipunctella** Clemens, Yponomeuta 2420  
*munda*—auct., Mocis 8746  
**mundissima** Walker, Concana 8562  
*mundula* Dognin, Concana 8562  
*mundula* Grote & Robinson, Caenurgina 8739  
*mundula* Zeller, Ommatochila 8489  
**munitalis** Lederer, Bonchis 5564  
**munroei** Martin, Omphalocera 5627  
*muralis* Grote, Psaphida 10019  
*murcialis* Walker, Achyra 4975  
**muricana** Walsingham, Ancylis 3377  
*muricolor* Hulst, Glenea 6450  
*murina* Druce, Paectes 8967  
*murina* Walker, Pagara 8243.1  
**murtfeldtella** Chambers, Mompha 1448  
**murtfeldtella** Chambers, Pigritia 1246  
**muscosula** Guenée, Lithacodia 9047  
*musculana*—Walsingham, Syndemis 3672  
*musettalis* Schaus, Deutoerlyta 5582  
**musta** Grote & Robinson, Lithacodia 9051  
*mustelina* Packard, Schizura 8011  
**mutabilis** Clemens, Fissicrambus 5435  
*mutans* Walker, Hyphantria 8140  
**muzaria** Walker, Euchlaena 6725  
**mycetophagus** Davis, Acrolophus 367.1  
**myersella** Dyar, Laetilia 5951  
**mynesalis** Walker, Tetanolita 8366  
**myops** J. E. Smith, Paonius 7825  
**myricafoliella** Busck, Stigmella 94  
*myricella* Barnes & McDunnough, Acrobasis 5684  
*myrmidonata* Guenée, Scopula 7149  
**myrodora** Dyar, Cosmosema 8280  
**myron** Cramer, Darapsa 7885  
**myronella** Dyar, Cabnia 6037  
**myrsusalis** Walker, Banisia 6086  
*myrta* Skinner, Eunice 4532  
**myrtaria** Guenée, Cyclophora 7137  
*myrto* Godart, Eunice 4532  
*mysia* Godart, Appias 4190  
*myus* French, Polites 4040  
*naevius* Lintner, Erynnis 3956  
*naevosidactyla* Fitch, Emmelina 6234  
*naidella* Strand, Apantesis 8169  
**nais** Drury, Apantesis 8171  
*nana* Dietz, Holcocera 1157  
*nana* Dyar, Euclea 4697.1  
*nana* Hübner, Hyperstrotia 9035  
*nana* Walker, Paectes 8967  
**nanaria** Walker, Cyclophora 7140  
**nanina** Dyar, Euclea 4697.1  
**nanophasma** Neunzig, Homoeosoma 5935.1  
*nanularia* Herrich-Schäffer, Cyclophora 7140  
*napaeae* Esper, Pieris 4197  
*napaeella* Clemens, Pseudopostega 121  
**narcaeusalis** Walker, Ommatospila 5294  
*narrata* Walker, Caenurgina 8739  
**nasoni** Grote, Natada 4679  
*nasonialis* Zeller, Microtheoris 4796  
*nasturtii* W. H. Edwards, Pontia 4192 (f.)  
*nasutaria* Zeller, Phyprosopus 8525  
*nasutella* Hulst, Unadilla 5948  
**nathrax** Hodges, Callima 1047  
*nattereri* Druce, Eutelia 8968.1  
**neacriatella** Grossbeck, Wunderia 5928  
**neamathla** Skinner & R. C. Williams, 1923, Nastra 3995  
**nearctica** Munroe, Nomophila 5156  
*nebeculosa* Zeller, Antaeotricha 1019  
**nebula** Barnes & McDunnough, Ozarba 9030  
*nebulella* Riley, Acrobasis 5651  
**nebulifera** Stephens, Pronapteryx 5333  
*nebulosa* Walsh, Acrobasis 5651  
*nebulosa* Hulst, Eupithecia 7474  
*nebulosa* Maassen, Melipotis 8603  
**nebulosa** W. H. Edwards, Catocala 8796  
*nebulosa* Wetherby, Adoneta 4685  
**nebulosalis** Fernald, Munroessa 4750  
**nectarea** Möschler, Cecharismena 8532  
*neda* Godart, Eurema 4238  
**needhami** Braun, Bucculatrix 488  
**neglecta** W. H. Edwards, Celastrina 4363.1  
**negundana** Dyar, Archips 3654  
**negundana** McDunnough, Adoxophyes 3691  
*nelphe* R. Felder, Eurema 4238  
**nelsoni** Boisduval, Callophrys 4315 (p. 62)  
*nelumbialis* J. B. Smith, Ostrinia 4946  
**memoralis** Barnes & McDunnough, Renia 8380  
*nemoris* W. H. Edwards, Amblyscirtes 4096  
**nenia** Hodges, Dichomeris 2284.1  
*neoclesalis* Walker, Marasmia 5288  
**neogama** J. E. Smith, Catocala 8798  
**neohelviais** Capps, Neohelviobots 4977  
**neomexicana** Hulst, Archirhoe 7295  
*neomexicana* J. B. Smith, Tarachidia 9090  
*neonaria* Walker, Probosc 6837  
*neotelis* J. B. Smith, Euxoa 10805  
*nephanthes* Meyrick, Dichomeris 2286  
*nephele* W. Kirby, Cercyonis 4587  
*nerea* Boisduval, Grammia 8198 (f.)  
**nerisaria** Walker, Pero 6762  
*nerissa* H. Edwards, Catocala 8878 (f.)  
**nero** Fabricius, Panquinia (p. 62)  
*nervosa* Neumoegen & Dyar, Grammia 8199 (f.)  
*nescalis* Walker, Pyrausta 5051  
**nesiotes** Walsingham, Episimus 2702.3  
*nessus* Cramer, Amphion 7873  
*nestusalis* Walker, Achyra 4975  
**neumogenii** Skinner, Appias 4190a  
**neuricella** Zeller, Bema 5934.3  
*neustria*—J. E. Smith, Malacosoma 7698  
*nevadae*—auct., Pseudothyris 6077  
*nevadaria* Hulst, Phigalia 6658  
**ni** Hübner, Trichoplusia 8887  
*nicaeusalis*—auct., Samea 5151  
*nicetaria*—auct., Thysanopyga 6712  
*nicholsana* Forbes, Carposina 2314  
**nicippe** Cramer, Eurema 4242  
*nicotianae* Boisduval, Manduca 7775  
*nicotianae* H. Edwards, Synanthedon 2571  
*nicotianae* Ménétériés, Manduca 7775  
*nig* Strecker, Asterocampa 4562.1a (ab.)  
*nig* Strecker, Colias 4209 (f.)  
*nig* Strecker, Limenitis 4523a (ab.)  
*nigella* Hulst, Carmenta 2608  
*nigra* Amsel, Dichogama 4790 (f.)  
**nigra** Busck, Coleotechnites 1823  
*nigra* H. Chermock, Macrurocampa 7975 (f.)  
*nigra* Schüssler, Antheraea 7757  
*nigra* Selys-Longchamps, Lynantria 8318  
*nigra* Stebbing, Hyblaea 6088 (var.)  
**nigralis** Fernald, Diasemides 5173  
*nigrapunctella* Busck, Cosmopterix 1497  
*nigraria* Forbes, Caripeta 6863 (f.)  
**nigratomella** Clemens, Battaristis 2227  
*nigrescens* Cassino, Catocala 8857 (f.)  
*nigrescens* Grote & Robinson, Melipotis 8600  
**nigrescens** Heppner, Chrysandeton 4746.1  
*nigricans* Bethune, Zale 8695  
*nigricans* Packard, Phobetrion 4677  
*nigricans* Strecker, Limenitis 4523a (ab.)  
*nigricosta* F. Chermock, Colias 4210 (ab.)  
*nigridia* Robinson, Choristoneura 3638  
*nigridice* Scudder, Colias 4209 (f.)  
*nigrimacula* Warren, Characoma 8974  
*nigrina* Strecker, Colias 4209 (f.)  
**nigrinodis** Zeller, Galasa 5552  
*nigrinotata* Warren, Characoma 8974  
**nigrior** Michener, Agraulis 4413a  
*nigrior* Strand, Zale 8694  
*nigripuncta* Schaus, Rivula 8404.1  
*nigrirena* Haworth, Schinia 11177  
**nigrita** Barnes & McDunnough, Cryptothela 441  
*nigritula* Guenée, Homophoberia 9057  
*nigritus* Hodges, Coleotechnites 1823  
*nigroapicata* Thierry-Mieg, Scopula 7156  
*nigroatomella* Dietz, Nemapogon 266  
*nigrocandida* Hulst, Scopula 7158  
*nigrocaput* Morrison, Exyra 8905.2  
**nigrocervina** Walsingham, Platynota 3737  
*nigrodiscallus* Hulst, Scopula 7159  
*nigrofascia* Hulst, Spodoptera 9672  
*nigrofasciata* Reiff, Colias 4209 (ab.)  
*nigrofasciata* Reiff, Colias 4209 (ab.)  
*nigrofasciata* Zeller, Nola 8989  
**nigrofinbria** Guenée, Thioptera 9044  
*nigroguttata* Grote, Motya 8981  
*nigrosignata* Walker, Schizura 8005  
*nigrosignella* Hulst, Acrobasis 5657  
*nigrosparata* Draudt & Gaede, Orodessa 8644 (f.)  
*nigrosuffusa* Field, Eurytides 4184 (ab.)  
*nigrosuffusana* Strand, Charadra 9189 (f.)  
*nigrovittata* Grote, Euagrotis 10908  
**nilotica** Rogenhofer, Characoma 8974  
**nimbata** Guenée, Oxydia 6970  
*nimbicolor* Hulst, Idaea 7120  
*nimia* Guenée, Orthodes 10587  
*niobe* Strecker, Seiractia 8130  
*niolacella* Moznette, Caloptilia 644  
*nipha* Morris, Callophrys 4328  
**niphon** Hübner, Callophrys 4328  
*nipona* Hewitson, Ministrymon 4293  
*niponensis*—auct., Carposina 2314  
**nise** Cramer, Eurema 4238  
*nitella* Voute, Setomorpha 428  
**nitens** Walsingham, Cosmopterix 1469  
*nitida* Packard, Schizura 8010  
**nitidalis** Stoll, Diaphania 5202  
**nitocris** Cramer, Ametris 6259  
*nitocritaria* Hübner, Ametris 6259  
**nivalis** Drury, Urola 5464



*nivalis* Stretch, Cyncia 8228  
*nivea*.– auct., Rupela 5310  
*nivea*.– auct., Rupela 5311  
*nivea*.– auct., Rupela 5312  
*nivalis* J. B. Smith, Gabara 8522  
*niveana* Walsingham, Sparganothis 3727  
*niveana*.– auct., Accleris 3540a  
*niveiciliialis* Grote, Pyrausta 5073  
*niveicostalus* Grote, Fagitana 9629  
*niveiguttana* Grote, Phaenocasiophora 2772  
*niveociliaria* Herrich-Schäffer, Eueana 7070  
*niveosericeatus* Harris, Ennomos 6798  
*niveum* Grote, Eupseudosoma 8257  
*niveum* Herrich-Schäffer, Eupseudosoma 8257  
*nivuhumellus* Walker, Crambus 5365  
*nivosus* Gunder, Danaus 4614 (ab.)  
*nobilis* Hübner, Cydosia 9000  
*nobilis* Grote, Tosale 5556  
*nobilis* Robinson, Tosale 5556  
*nobilitella* Cramer, Cydosia 9000  
*noctivaga* Grote, Acronicta 9259  
*noctuella* Denis & Schiffermüller, Nomophila (p. 62)  
*noctuella*.– auct., Nomophila 5156  
*noctuiiformis* J. B. Smith, Euxoa 10805  
*noctuitaria* Walker, Oxydia 6970  
*nodalis* Gundlach, Achyra 4975  
*nodosella* Hulst, Peoria 6054  
*nominabilis* E. Hering, Desmia 5161  
*nomophilalis* Dyar, Langessa 4758  
*nondescriptus* Wetherby, Phobetron 4677  
*nonstriga*.– Grossenbacher, Opotegeoides 125  
*norax* Druce, Cossula 2674  
*noraxalis* Walker, Pyrausta 5049  
*nordica* J. B. Smith, Euxoa 10805  
*norma* Hübner, Anagrapha 8924  
*normani* Bartsch, Catocala 8801 (f.)  
*nortonii* W. H. Edwards, Lerema 3998  
*norus* Plötz, Oligoria 4114  
*nostralis* Guenée, Ocrasa 5531  
*notatalis* Walker, Amyeloides 5724  
*notatella* Walker, Ethmia 995  
*notatus* A. Clark & L. Clark, Colias 4209  
*notialis* Franclemont, Tolyte 7674  
*nova* J. B. Smith, Uteheisa 8106  
*novangliae* Reiff, Catocala 8878.1  
*novangliae* Scudder, Pieris 4197 (ab.)  
*nox* Gunder, Phyciodes 4480 (ab.)  
*nua* Dyar, Parachma 5538  
*nubecularia* Guenée, Hypagyrtis 6654  
*nubifera* Hampson, Paectes 8965  
*nubiferaria* Swett, Anavitrinella 6590  
*nubiferella* Ragonot, Salebriaria 5772  
*nubila* Strecker, Schinia 11137  
*nubilalis* Hübner, Ostrinia 4949  
*nubilella* Hulst, Monoptilota 5736  
*nubilella* Zeller, Blastobasis 1162  
*nubilipennella* Clemens, Niditinea 411  
*nubilis* Guérin-Ménéville, Malacosoma 7698  
*nubilis* Hübner, Euparthenos 8719  
*nucicolora* Guenée, Elaphria 9676  
*nuclicolora* Rings & Rings, Elaphria 9676  
*nudeola*.– auct., Dryas 4416a  
*numa* Druce, Cobubatha 9013  
*numa*.– Kimball, Cobubatha 9012  
*numerosana* Zeller, Epiblema 3174  
*numitor* Fabricius, Ancyloxypha 4004  
*nummulalis* Hübner, Argiria 5460  
*nummulalis* Lederer, Ommatospila 5294  
*nummulalis*.– Zeller, Urola 5464  
*nundina* Drury, Schinia 11177  
*nundinella* Zeller, Frumenta 2052  
*nuptula* Walker, Catocala 8864  
*nurus* Walker, Catocala 8834  
*nutrix* Cramer, Gonodonta 8540  
*nuxvorella* Neunzig, Acrobasis 5667  
*nycteis* Doubleday, Chlosyne 4490  
*nyctelius* Latreille, Nyctelius 4123  
*nymphaeella* Hulst, Palatka 5930  
*nymphagoga* Martyn, Hypocala 8642  
*nymphulalis* Hampson, Microphysetica 5121  
*nyssaeoliella* Clemens, Antispila 234  
*nyseus*.– auct., Nystalea 7945  
*nyssaeolella* Dyar, Actrix 5818  
*nyssaeoliella* Chambers, Antispila 234  
*nyssaeoliella* Chambers, Ectoedemia 50  
*nyssaria* Guenée, Probole 6837

*obaurata* Morrison, Nola 8989  
*obditalis* Walker, Ophiuche 8460  
*oberon* Worthington, Epargyreus 3869  
*obesalis*.– Stephens, Plathypena 8465  
*obfirmaria* Hübner, Metarranthus 6832  
*obfusaria* Walker, Ideia 7123  
*obfustaria* auct., Ideia 7123  
*obiterella* Busck, Pseuderotis 1009  
*objurgata* J. B. Smith, Euxoa 10805  
*oblinataria* Möschler, Leptostales 7178  
*oblinita* J. E. Smith, Acronicta 9272  
*obliqua* Guenée, Zale 8699  
*obliqua* J. B. Smith, Amolita 9819  
*obliqua* J. B. Smith, Phuphena 9635  
*obliqua* Packard, Heterocampa 7983  
*obliqua* Walker, Bellura 9525  
*obliqualis* Fabricius, Eublemma 9078  
*obliquata* Barnes & McDunnough, Nola 8997  
*obliquata* Grote & Robinson, Bellura 9525  
*obliquata* Grote & Robinson, Dasychira 8302  
*obliquata* J. B. Smith, Schinia 11169  
*obliquella* Strand, Spragueia 9131  
*obliquella* Walker, Galleria 5622  
*obliquifasciella* Chambers, Telphusa 1858  
*obliquifera* Walker, Balsa 9662  
*obliquistrigella* Chambers, Coleotechnites 1824  
*oblitiella*.– Ragonot, Hulstia 5918  
*obliteralis* Walker, Ostrinia 4947  
*obliteralis* Walker, Synclita 4755  
*obliteralis*.– auct., Hahncappia 4962  
*obliterana* Walsingham, Phaneta 3005  
*obliterata* Grote, Leuconycta 9065 (f.)  
*obliterata* Schwarz, Catocala 8874 (f.)  
*obliteratella* Zeller, Diatraea 5475  
*obliteratus* Dufrane, Papilio 4181 (ab.)  
*obliteratus* Scudder, Epargyreus 3870 (ab.)  
*oblitescens* Meyrick, Phereocera 390  
*obliviosa* H. Edwards, Orgyia 8316 (var.)  
*oblonga* Grote, Archanara 9449  
*oblongata* Walsingham, Menestomorpha 1028  
*oblongalis* Lederer, Udea 5079  
*obluridata* Hulst, Scopula 7152  
*obrotunda* Guenée, Paectes 8966  
*obruptata* Walker, Orthonama 7414  
*obrussata* Grote, Phrygonis 6671  
*obrutella* Zeller, Ectoedemia 53  
*obscura* Butler, Pseudosphinx 7830  
*obscura* Cockerell, Nymphalis 4432 (ab.)  
*obscura* Draudt, Catocala 8843 (f.)  
*obscura* Druce, Cyclophora 7140  
*obscura* Dyar, Cerna 9062  
*obscura* Fabricius, Erinnyis 7837  
*obscura* Mabille, Lerodea 4111  
*obscura* Möschler, Eulepidotis 8572.1 (var.)  
*obscura* Riley, Spodoptera 9666  
*obscura* Sageder, Hyalophora 7767  
*obscura* Stretch, Holomelina 8118 (f.)  
*obscura* Wollaston, Crocidosema 3274  
*obscuralis* Grote, Parapoxyn 4760  
*obscuralis* Lederer, Psara 5268  
*obscuralis* Schaus, Deuterolylia 5582  
*obscuralis*.– auct., Synclita 4755  
*obscurata* Schneider, Lymantria 8318  
*obscurata* Strecker, Schinia 11118  
*obscuratella* Zeller, Micrathetis 9644  
*obscurata* Braun, Stigmella 93  
*obscurata* Dietz, Homosetia 287  
*obscurata* Dietz, Pigritia 1232  
*obscuratella* McDunnough, Micrathetis 9644  
*obscurivittella* Ragonot, Achroia 5623  
*obscuripennis* Grote, Zanclognatha 8347  
*obscuroristigella* Chambers, Cephitinea 324  
*obscurusella* Chambers, Mompha 1448  
*obspella* Hulst, Hulstia 5918  
*obsoleta* Ehrmann, Battus 4157 (ab.)  
*obsoleta* Fabricius, Helicoverpa 11068  
*obsoleta* Grote, Argyrostromis 8762 (f.)  
*obsoleta* J. B. Smith, Zanclognatha 8345 (f.)  
*obsoleta* Mathew, Orthonama 7414  
*obsoleta* Niepelt, Phoebeis 4229 (f.)  
*obsoleta* Wnukowsky, Lymantria 8318  
*obsoleta* Worthington, Catocala 8801 (f.)  
*obsoletalis* Berg, Achyra 4974  
*obsoletalunulata* Tutt, Celastrina 4363.1 (f.)  
*obsoletana* Walker, Choristoneura 3631  
*obsoletella* Zeller, Psilocorsis 956

*obstipata* Fabricius, Orthonama 7414  
*obstructa* Walker, Amyna 9070  
*obtectalis* Möschler, Ophiuche 8457  
*obtusa* Herrich-Schäffer, Stiriodes 9725  
*obtusangulata* Ragonot, Moodna 6005  
*obtusaria* Hübner, Euchlaena 6726  
*obtusilobae* Frey & Boll, Cameraria 816  
*obtusula* Zeller, Stiriodes 9725  
*obumbratalis* Lederer, Ostrinia 4947  
*obversa* Walker, Pichodis 8750  
*obvertens* Walker, Massala 8586  
*obvia* Walker, Eucroptocnemis 10694  
*occidentalis* B. P. Clark, Paonius 7825  
*occidentalis* Grote & Robinson, Acronicta 9237  
*occidentalis* Skinner, Pyrgus 3967  
*occidentella* Dietz, Pigritia 1232  
*occidentis* Walker, Phylodesma 7686  
*occidua* Guenée, Ectropis 6597  
*occulta* Linnaeus, Eurois 10929 (p. 62)  
*ocellana* Denis & Schiffermüller, Spilonota 2906  
*ocellata* W. H. Edwards, Asterocampa 4562.1a  
*ocellatus* Doubleday, Euchromius 5454  
*ocelleus* Haworth, Euchromius 5454  
*ocellifera* Grote, Strymon 4345  
*ocellinata* Guenée, Macaria 6386  
*ocellusalis* Walker, Pyrausta 5050  
*ochifrontella* McDunnough, Eulogia 5999  
*ochosalis* Dyar, Pyrausta 5058  
*ochracea* Beutelspacher, Papilio 4175a (f.)  
*ochracea* Cassino, Apantesis 8170  
*ochracea* Cockerell, Helicoverpa 11068  
*ochracea* F. Chermock & R. Chermock, Cercyonis 4587  
*ochracea* J. B. Smith, Emarginea 9718  
*ochracea* Möschler, Spragueia 9132  
*ochracea* Wnukowsky, Lymantria 8318  
*ochracealis* Walker, Parachma 5538  
*ochraceana* Fernald, Epiblema 3179  
*ochrata* Warren, Semiothisa 6325.1  
*ochrealis* Ragonot, Parachma 5538  
*ochreate* Butler, Apantesis 8171  
*ochreella* Adamski & Brown, Pigritia 1232  
*ochreella* Clemens, Pigritia 1232  
*ochreg* Grote, Caenurgina 8738 (f.)  
*ochreifascia* Grote, Melipotis 8600  
*ochreipennis* Harvey, Melipotis 8600  
*ochrella* Barnes & McDunnough, Divitiaca 5909  
*ochricosta* Herrich-Schäffer, Ponometa 9115  
*ochrifrontella* Zeller, Eulogia 5999  
*ochrimaculella* Ragonot, Honora 5919  
*ochripalpella* Zeller, Dichomeris 2289  
*ochrobathra* Meyrick, Blastobasis 1150.1  
*ochrocephala* Dietz, Holocera 1175  
*ochrodactylus* Fish, Megalorhida 6104  
*ochrodesma* Zeller, Anabasis 5704  
*ochromediana* Kearfott, Olethreutes 2829  
*ochronota* Hampson, Peridroma 10915  
*ochrophanes* Meyrick, Dichomeris 2284  
*ocola* W. H. Edwards, Panoquina 4119  
*octagonella* Walsingham, Coleophora 1398  
*octo* Guenée, Amyna 9070  
*octomaculalis* Hübner, Alypia 9314  
*octomaculalis* Treitschke, Anania 4958  
*octomaculata* Fabricius, Alypia 9314  
*octomaculata* Linnaeus, Anania 4958  
*octomaculata*.– Hampson, Alypia 9316  
*octoscripta* Buchholz, Callophrys 4318 (ab.)  
*oculana* Harris, Spilonota 2906  
*ocularia*.– auct., Hypercompe 8146  
*oculatalis* Möschler, Carteris 8391  
*oculatana* Clemens, Dysodia 6078  
*oculatissima* J. E. Smith, Hypercompe 8146  
*oculatrix* Guenée, Paectes 8957  
*ocypete* Linnaeus, Enyo 7852  
*odda* Duckworth & Eichlin, Carmenta 2603  
*odius* Fabricius, Historis 4545  
*odoar* Tietz, Ascalapha 8649  
*odora* Linnaeus, Ascalapha 8649  
*odorata* Linnaeus, Ascalapha 8649  
*odynepennis* Walker, Pennisetia 2513  
*oecogenes* Dyar, Bellura 9526  
*oeconomella* Mann, Corcyra 5634  
*oedipodalis* Guenée, Epicorsia 4938  
*oenone* Scudder, Chlosyne 4490  
*oenotheraella* Chambers, Mompha 1443  
*oenotheraesemenella* Chambers, Mompha 1430



- oenotheraevorella* Chambers, Mompha 1430  
**oenotherana** Riley, Phalonia 3842  
**oenotrus** Cramer, Erinnyis 7835  
*ofellusalis* Walker, Blepharomastix 5182  
**offectalis** Hulst, Phaneta 3005  
*ogeechensis* Scudder, Poanes 4060  
**oilus** Linnaeus, Pyrgus 3968  
**okeechobee** Worthington, Phocides 3865a  
**olealis** R. Felder & Rogenhofer, Diaphania 5201  
*olealis* Ragonot, Lepidomys 5550  
*olenusaria* Walker, Erastria 6704  
**olinalis** Guenée, Dolichomia 5533  
*olivacea* Bryk, Orgyia 8316  
*olivacea* Grossbeck, Tripudia 9010  
*olivacea* Grote, Hypena 8461 (f.)  
*olivacea* Mathew, Orthonama 7414  
*olivecearia* Morrison, Phigalia 6660  
**olivalis** Grote, Arta 5568  
*olivalis* Hulst, Macalla 5577  
*olivata* Packard, Heterocampa 7995  
*oliveata* Cassino, Scopula 7169  
*olivella* Grote, Mesolia 5331  
*olivella* Hulst, Ragonotia 5902  
*olliusalis* Walker, Blepharomastix 5182  
*olympia* Butler, Composita 8038  
*olympia*.– French, Composita 8038a  
*olympiadella* Zeller, Fascista 2204  
*olympus* W. H. Edwards, Cercyonis 4587  
*olynthus* Boisduval & Leconte, Calpodes 4115  
**olyzonaria** Walker, Patalene 6974  
*omega* Hübner, Argyrogramma 8885  
*omicron* Hübner, Argyrogramma 8885  
*omphale*.– auct., Cosmospoma 8280  
*omphaleae* Boisduval, Erinnyis 7833  
**onagrus** Guenée, Spragueia 9126  
*onagrus*.– Herrich-Schäffer, Spragueia 9127  
*oneka* McDunnough, Amblyscirtes 4099  
*oneko* Scudder, Amblyscirtes 4099  
**ontario** W. H. Edwards, Fixsenia 4331b  
**onythesalis** Walker, Pyrausta 5042  
*oo* Cramer, Pseudoplusia 8890  
*oona* Franclemont & Todd, Pseudoplusia 8890  
*oonana* Strand, Pseudoplusia 8890 (ab.)  
*opaca* Barnes & Benjamin, Gluphisia 7931 (f.)  
*opacalis* Grote, Hypenula 8376  
*opalescellum* Hulst, Homocoesoma 5935  
*opalescens* H. Edwards, Synanthedon 2583  
*opalisans*.– Dicksel, Leucania 10463.1  
**opella** Grote, Holomelina 8118  
**opercularis** J. E. Smith, Megalopyge 4647  
**operculella** Zeller, Phthorimaea 2011  
*operosella* Zeller, Setomorpha 428  
**ophionalis** Walker, Microtheoris 4796  
*ophis* W. H. Edwards, Panoquina 4116  
**ophthalmica** Guenée, Baileya 8970  
**opigena** Drury, Hemeroblemma 8645  
*oponearia* Walker, Euchlaena 6731  
*oporedestella* Dyar, Ectomyelois 5723  
*oppilalis* Grote, Nealgedonia 4956  
*oppositaria* Guenée, Macaria 6336  
*ops* Druce, Anaea 4554  
*optimata* Strecker, Coryphista 7290  
*orasusalis* Walker, Fumibotys 4950  
*oratalis* Hulst, Condylorrhiza 5215  
*orba* Grote, Ommatochila 8489  
**orba** Kusnezov, Catocala 8856  
*orbalis* Guenée, Desmia 5162  
*orbica* Morrison, Amyna 9070  
*orbicularis* Walker, Spodoptera 9673  
**orbifera** Walker, Magusa 9637  
*orbiferana* Strand, Magusa 9637  
*orbiferella* Strand, Magusa 9637 (f.)  
**orbis** Poey, Aprissa 4234  
*orbitalis*.– Hampson, Achyra 4974  
**orciferalis** Walker, Macrochilo 8360  
*ordinans* Walker, Isogona 8498  
**ordinata** Walker, Digrammia 6358  
*ordinata* Walker, Petrophora 6803  
**ordinata** Walker, Scopula 7161  
*ordinalis* Walker, Pyrausta 5044  
*ordnatella* Walker, Yponomeuta 2420  
*oreodaphne* Harris, Sphinx 7802  
*orfordensis* Cassino & Swett, Nematocampa 7009  
**orichalcella** Clemens, Periploca 1560  
*orientalis* Amsel, Pyralis 5510  
**origenes** Fabricius, Polites 4042  
*origenes*.– auct., Polites 4041  
*origines* Lindsley, Bell & R. C. Williams, Polites 4042  
*orillata* Walker, Macaria 6362  
*orina* Guenée, Elaphria 9684  
*orinella* Strand, Cosmia 9815 (f.)  
*orinula* Strand, Cosmia 9815 (f.)  
*orion* Fabricius, Historis 4545  
*ornata* Neumoege, Acheroa 9636  
**ornatalis** Duponchel, Hydriris 5127  
*ornatella* Dietz, Pigritia 1232  
**ornatrix** Linnaeus, Uteheisa 8105  
**ornatula** Heinrich, Phaneta 2951  
**orneodalis** Guenée, Lascoria 8396  
**ornithogalli** Guenée, Spodoptera 9669  
*orontesalis* Walker, Omiodes 5211  
*orpheella* Stainton, Bedellia 466  
**orphisalis** Walker, Pyrausta 5058  
*orphnealis* Walker, Microthyris 5263  
*ortalis* Munroe, Condylorrhiza 5215  
*orthomenes* Scudder, Oligoria 4114  
*orthosiodes* Richards, Phoberia 8591  
*orthosiodes* Guenée, Phoberia 8591  
*ortonii* Packard, Peridroma 10915  
*ortygia* Möschler, Panoquina 4119  
*oryzaeellus* Bleszynski & Collins, Chile 5470  
*oryzeellus* Riley, Chilo 5470  
*osceola* Lintner, Euphyes 4078  
*oscitalis* Grote, Framinghamia 5262  
*oslari* Barnes, Orgyia 8316  
*oslari* Engelhardt, Paranthrene 2524 (f.)  
*oslari* Rothschild & Jordan, Sphinx 7810  
*oslari* Rothschild, Halysidota 8203  
**osmundana** Fernald, Olethreutes 2829  
**osseella** Walsingham, Antaeotricha 1015  
**ossularia** Geyer, Lobocleta 7094  
*ossulata* auct., Lobocleta 7094  
**ostentaria** Walker, Idaea 7121  
**ostriorella** Hulst, Euzophera 5997  
**ostrinella** Clemens, Moodna 6005  
**ostryaella** Chambers, Stilbosis 1596  
**ostryaefoliella** Clemens, Stigmella 93  
**ostryella** Ely, Acrobasis 5680  
*osyka* W. H. Edwards, Euphyes 4078a (f.)  
*osyka* W. H. Edwards, Lerodea 4111 (f.)  
*osyka* W. H. Edwards, Polites 4045 (f.)  
**otho** J. E. Smith, Wallengrenia 4046  
*otiosa* Walker, Condia 9699  
**otiosana** Clemens, Epiblema 3202  
**ottawana** Kearfott, Carposina 2314  
**ou** Guenée, Rachiplusia 8895  
*ouana* Strand, Rachiplusia 8895 (ab.)  
*ouella* Strand, Rachiplusia 8895 (ab.)  
**outina** Ferguson, Nemoria 7032  
*ovidius* Scudder & Burgess, Erynnis 3956  
**oviduca** Guenée, Protorthodes 10563  
**ovilla** Grote, Nola 8995  
**ovina** Sepp, Norape 4650  
**oviplagalis** Walker, Tosale 5556  
**ovulalis** Guenée, Conchylodes 5292  
*oxilus* Hübner, Papilio 4170  
*oxydactylus* Walker, Megalorhipida 6104  
**oxydalis** Guenée, Polygrammodes 5228.1  
**oxygramma** Geyer, Agraphe 8889  
**oxyplecta** Meyrick, Arotura 1667  
*ozyzpete* Butler, Enyo 7852  
*pacalis* Grote, Munroessa 4749  
**pacalis** Walker, Pithodis 8752  
*pachyspila* Meyrick, Pheroea 390  
*pacifica* Riley, Synanthedon 2583  
*pacificaria* Packard, Cabera 6677  
*packardaria* Forbes, Cyclophora 7136  
**packardi** Prout, Cyclophora 7136  
*packardi* Schüssler, Automeris 7746  
**packardi** Zeller, Grapholita 3428  
**packardii** Grote, Cisthene 8072  
*packardii* Saunders, Phycodes 4481 (ab.)  
*packardii* Schupp, Estigmene 8131  
*paenulata* Clemens, Euclea 4697 (f.)  
*paenulataria* Grote, Nacophora 6763  
*pagenstecheri* Möschler, Hormoschista 8488  
*paginata* Morrison, Elaphria 9676  
**palaceus** Zeller, Leiopitilus 6207  
*palaea* Hewitson, Asbolis 4079  
*palaestinensis* Amsel, Megalorhipida 6104  
**palamedes** Drury, Papilio 4182  
*palästinialis* Amsel, Megalorhipida 6104  
*palatka* W. H. Edwards, Euphyes 4071  
*palatka*.– Scudder, Euphyes 4072  
*palearis* Meyrick, Sitotroga 2260  
*palindialis*.– auct., Trischistognatha 4933  
*palla* French, Clostera 7896  
*pallens* Strecker, Laothoe 7827  
*pallens* Whittaker & D. Stallings, Eurema 4242 (f.)  
*pallescens* B. P. Clark, Erinnyis 7738  
*pallescens* Herrich-Schäffer, Eublemma 9078  
*pallescens* Rothschild & Jordan, Sphinx 7802  
*pallescens* Walker, Ephyrodes 8582  
*pallialis* Zeller, Bomolocha 8443  
**palliatricula** Guenée, Chytonix 9556  
*pallida* Bowles, Dryocampa 7715  
*pallida* Closs, Agrius 7771 (f.)  
*pallida* Closs, Eumorphia 7864 (f.)  
*pallida* Cockerell, Colias 4210 (f.)  
*pallida* Cockerell, Phoebis 4228a (f.)  
**pallida** J. H. Comstock, Baphala 5965.1  
*pallida* J. H. Comstock, Laetitia 5949  
*pallida* dos Passos, Eurema 4243a (f.)  
*pallida* Field, Nathalis 4248 (ab.)  
*pallida* Fruhstorfer, Siproeta 4446a (f.)  
*pallida* Grote, Erinnyis 7837  
*pallida* Hayward, Hylephila 4013 (ab.)  
*pallida* Hulst, Idaea 7124  
**pallida** Packard, Crambidia 8045  
*pallida* Packard, Hyphantria 8140  
*pallida* Röber, Polygonus 3872 (f.)  
*pallida* Schaus, Eublemma 9076  
*pallida* Walker, Ephyrodes 8582  
*pallida* Warren, Synchrona 7059  
*pallida*.– Kimball, Heterocampa 7997  
*pallidegrisea* Strand, Micrathetis 9644  
*pallidice* Scudder, Colias 4209 (f.)  
*pallidicoma* Grote, Acronicta 9264  
**pallidior** Dyar, Palpida 8517  
**pallidostrinella** Neunzig, Moodna 6005.1  
*pallidotinctella* Dietz, Pigritia 1246  
*pallidovenata* Grossbeck, Thyridopteryx 457  
*pallidula* Klotz, Eurema 4243a (f.)  
*pallipalpis* Walker, Dichomeris 2298  
**pallistriga** Barnes & McDunnough, Stenoptilia 6145  
**pallorana** Robinson, Xenotemna 3693  
*pallulella* Hulst, Euzophera 5995  
**palmettovora** Heppner, Phormostes 2626.1  
**palmetum** Heinrich, Cydia 3462  
*palmi* auct., Datana 7911  
*palmii* Beutenmüller, Datana 7911  
*palmii* H. Edwards, Paranthrene 2527  
*palmipes* Grote & Robinson, Galasa 5552  
*palmira*.– auct., Eurema 4243a  
*palpalis* Grote, Hemaris 7855  
*palpalis* Walker, Condia 9713  
**palparia** Walker, Bomolocha 8444  
*palpiannulella* Chambers, Monochroa 1706  
**palpiger** Walsingham, Brachyacma 2272  
*palumbes* Franclemont, Venusia 7428 (f.)  
**pampina** Guenée, Eucirodia 9952  
**pampinaria** Guenée, Anavitrinella 6590  
*pampinatrix* J. E. Smith, Darapsa 7885  
*pampinella* Strand, Eucirodia 9952 (f.)  
*pamponerella* Dyar, Peoria 6048  
**panalope** Dyar, Xubida 5500  
**panamae** Busck, Acrolophus 368  
**pandana** Kearfott, Eucosma 3128  
*pandaria* Walker, Eusarca 6941  
**pandorus** Hübner, Eumorphia 7859  
*pandrosa* Cramer, Hemeroblemma 8645  
**panicifoliella** Clemens, Cycloplasis 2493  
**pannaria** Guenée, Leptostales 7173  
**pannosa** Guenée, Epidromia 8585.1  
**panopealis** Walker, Pyrausta 5050  
*panquin* Scudder, Panoquina 4116  
**panoquinoides** Skinner, Panoquina 4117  
**panthalon** Fabricius, Horama 8287  
**paradoxa** Frey & Boll, Caloptilia 622  
*paradoxa* Chambers, Prodoxus 200  
**paradoxus** Grote, Heliocleilus 11074  
*parallela* Grote & Robinson, Dasychira 8302  
*parallela* H. Edwards, Apoda 4667  
**parallela** Robinson, Choristoneura 3633  
*parallela* Walker, Agraphe 8889  
*paramensis* Schaus, Costaconveza 7416  
*paraplesiaria* A. Blanchard, Sonia 3218.1  
**parce** Fabricius, Callionima 7844

- parvicolor* Herrich-Schäffer, Melipotis 8603  
*pardalis* Grote, Spragueia 9122  
*parilis* Mabille, Panoquina 4120 (p. 62)  
*parinotata* Zeller, Hammaptera 7314  
*parisiana*.– auct., Acleris 3540a  
*parmeliana* H. Edwards, Schinia 11120  
*parthenialis* Dyar, Leptosteges 5303  
*parthenice* W. Kirby, Grammia 8196  
*parthenope* Zikán, Callionima 7844  
*participatus* Möschler, Adaina 6160  
*particolor* Hulst, Itame 6318  
*particornella* Busck, Walshia 1613  
*partiseca* Meyrick, Lioptilodes 6120  
*partita* Guenée, Galgula 9688  
*parumpunctata* Herrich-Schäffer, Lerema 3998  
*parva* Barnes & McDunnough, Afrida 8973.1  
*parva* Blackmore, Caenurgina 8739 (f.)  
*parva* R. Brown, Corticivora 3446.2  
*parvella* Dyar, Welderella 5964  
*parvicristatella* Chambers, Mompha 1448  
*parvipulvella* Chambers, Helcystogramma 2265  
*parvula* H. Edwards, Urodus 2415  
*parvula* Herrich-Schäffer, Lacinipolia 10424  
*parvula* W. H. Edwards, Catocala 8874 (f.)  
*parvula* Walker, Tarachidia 9083  
*parvula* Zeller, Mesciana 5934.2  
*parvularia* Hulst, Ideaa 7108  
*parvulella* Barnes & McDunnough, Divitiaca 5911  
*parvulus* Barnes & Lindsey, Buckleria 6098  
*parvus* Walsingham, Lioptilodes 6120  
*passerella* Busck, Mompha 1450  
*passerina* Boisduval, Perigonia 7846  
*passiflorae* Fabricius, Agraullis 4413  
*passulella* Barrett, Cadra 6022  
*pastica* Walker, Lesmone 8655  
*pastillicans*.– auct., Chaetagnaea 9949  
*pastorialis* Grote, Renia 8384.1  
*pastulella* Fabricius, Atteva 2401  
*patersonia* Brehme, Callophrys 4318  
*patersoniana* L. Miller & F. M. Brown, Callophrys 4318  
*patibilis* Walker, Caenurgina 8739  
*patina* Harvey, Dypertigia 9561  
*patriciata* Grote, Macaria 6353  
*patruius* Grote, Eublemma 9078  
*pattenii* Scudder, Lerema 3998  
*patula* Morrison, Eublemma 9078  
*patularia* Walker, Melanolophia 6621  
*pauciguttella* Clemens, Dichomeris 2281  
*paularia* Möschler, Chloropteryx 7077  
*paulina* H. Edwards, Catocala 8794 (f.)  
*pauper* Butler, Anicla 10911  
*paupera* Walker, Condica 9699  
*pavitensis* Morrison, Bulia 8614  
*pavonacella* Clemens, Brentha 2627  
*pavonicella* Chambers, Brentha 2627  
*pavonina* Geyer, Paonius 7824  
*peccataria* Swett, Lambdina 6888  
*peckius* Kirby, Polites 4036 (p. 62)  
*pecosensis* Cockerell, Paonius 7824 (var.)  
*pectenalaella* Chambers, Glauea 1766  
*pectinaria* Hübner, Euchlaena 6735  
*pectinaria*.– auct., Euchlaena 6735  
*pectinifer* Zeller, Thaumtops 5447  
*pedalis* Grote, Rachiplusia 8895  
*pedestris* Walker, Epidromia 5858.3  
*pedicellata* Hulst, Almodes 6260  
*pedidicta* Dyar, Diatraea 5475  
*pedionnastes* Goodson & Neunzig, Homocoesoma 5944.2  
*pedipalalis* Kimball, Zanclognatha 8348  
*pedipalalis* Guenée, Zanclognatha 8348  
*pegala* Fabricius, Cercyonis 4587  
*pegale* J. B. Smith, Cercyonis 4587  
*pegasalis* Walker, Chalcoela 4896  
*peigleri* Riotte, Anisota 7720  
*pelasgus* Cramer, Hemaris 7853  
*peleus* Sulzer, Marpesia 4550  
*pellenis*.– Kimball, Marpesia 4551  
*pellionella* Dietz, Tinea 405  
*pellionella* Linnaeus, Tinea 405  
*pellucens* Zeller, Fundella 5725  
*pellucida* J. E. Smith, Anisota 7723  
*pellucidalis* Möschler, Somatania 5153  
*pellucidaria* Grote & Robinson, Lambdina 6892  
*pelta* Hodges, Dichomeris 2297.1  
*pelviculella* Hulst, Moodna 6005  
*peneae* Fabricius, Erinnyis 7835  
*pendens* J. B. Smith, Leucania 10455  
*penicillum* Herrich-Schäffer, Melipotis 8610  
*peniculo* Heinrich, Tildenia 2049  
*peninsularia* Grote, Ametris 6259  
*penitalis* Grote, Ostrinia 4946  
*penna* Morrison, Zale 8692  
*pennsylvaniana* Kearfott, Chimoptes 3273  
*pennsylvanica* J. B. Smith, Euthyatira 6240 (f.)  
*pennula* R. Felder, Eublemma 9076  
*pensacola* Reiff, Catocala 8772  
*pensylvanica* Guérin-Ménéville, Malacosoma 7701  
*penumbra* R. Felder, Eublemma 9076  
*penumbra* Hulst, Sigela 8433  
*pepita* Guenée, Basilodes 9781  
*peplifera* Dyar, Acrobasis 5672  
*pepsidiformis* Hübner, Synanthedon 2583  
*peracutata* Walker, Orthonomia 7414  
*peralbata* Packard, Lobocleta 7100  
*peramans* Hulst, Catocala 8774  
*perangulalis* Harvey, Bomolocha 8446  
*perblanda* Ferguson, Acronicta 9238.1  
*percara* Morrison, Emarginea 9718  
*percolens* Franclemont, Acronicta 9225 (f.)  
*perculata* Franclemont, Zale 8718  
*perditalis* Walker, Ledaea 8491  
*peregrinana* Möschler, Crocidosema 3274  
*pereyra* Clarke, Chionodes 2104  
*perluana* Zeller, Sereda 3425  
*perfundens* Walker, Amyna 9070  
*perfusalis* Forbes, Rhectocraspeda 5157  
*perfusalis* Walker, Lipocoma 4881  
*perfuscalis* Hulst, Pilocrocis 5281  
*perfuscaria* Grote, Prosoparia 8419  
*pergandeella* Busck, Triclonella 1524  
*pergracilidactyla* Packard, Emmelina 6234  
*pergracilis* Hulst, Anacamptodes 6580  
*pergratialis* Hulst, Monoplotia 5736  
*perimede*.– Klotz, Eureka 4238  
*perinephes* Meyrick, Marasmia 5288  
*perirrorata* Packard, Lobocleta 7097  
*peritana* Clemens, Ptycholoma 3688  
*periusalis* Walker, Rhectocraspeda 5157  
*perizomaria* Hulst, Patalene 6974b  
*perlaria* Packard, Campaea 6796  
*perlata* Guenée, Campaea 6796  
*perlata* Walker, Mocis 8744  
*perlentans* Walker, Euxoa 10805  
*perlepidella* Hulst, Peoria 6054  
*perlineata* Packard, Venusia 7428  
*perlucida* Kirby, Pyromorpha 4639  
*perlucidula* Clemens, Pyromorpha 4639  
*per magna* Grote, Archanara 9449  
*permundana* Clemens, Olethreutes 2817  
*perolivata* Hulst, Erastria 6705  
*perolivata* Packard, Heterocampa 7977  
*perophoroides* Strecker, Hyparx 8026  
*perpendicularis* Guenée, Melipotis 8598  
*perplexa* Grossbeck, Adaina 6160  
*perplexa* Guenée, Argyrostromis 8759  
*perplexana* Fernald, Epinotia 3287  
*perscripta* Guenée, Lepidolys 10154  
*perseae* Busck, Caloptilia 623  
*perseella* Barnes & McDunnough, Deuterollyta 5582  
*persica* Thomas, Synanthedon 2583  
*persimilata* Grote, Pleuroprucha 7132  
*persinuaria* Guenée, Probole 6837  
*persius* Scudder, Erynnis 3961 (p. 62)  
*personella* Pierce & Metcalfe, Nemapogon 275  
*perspectalia* Brown & Allen, Hymenia 5169  
*perspectalis* Hübner, Hymenia 5169  
*persperalis* Möschler, Marasmia 5289  
*perspicua* Grote & Robinson, Datana 7908  
*perspicua* Walker, Argyrostromis 8759  
*perspicua* Walker, Thyris 6076  
*perstrialis* Hübner, Carectocultus 5307  
*perstrutana* Walker, Spragueia 9124  
*pertenuis* Braun, Bucculatrix 513  
*pertextalis* Lederer, Herpetogramma 5275  
*pertusa* Möschler, Pseudoplusia 8890  
*peruviana* Prout, Scopula 7156  
*pervaria* Packard, Lychnosea 6858  
*pervelata* Walker, Tornos 6486  
*perversa* Neumoegen & Dyar, Malacosoma 7698  
*perversa* Strand, Magusa 9637  
*pervertens* Barnes & McDunnough, Hyperstrotia 9037  
*pervertipennis* Hulst, Ideaa 7107  
*perviana* Walker, Mimoschinia 4826  
*petrealis* Grote, Chytolita 8356  
*petrella* Zeller, Adelphia 5890  
*petreus* Cramer, Marpesia 4550  
*petrius* Fine, Marpesia 4550  
*petronius* Lintner, Erynnis 3952  
*pettitana* Robinson, Sparganothis 3725  
*petulans* H. Edwards, Schinia 11113  
*pexella* Zeller, Thaumtops 5439  
*phaealis* Guenée, Idia 8334  
*phaedra* Druce, Cydosia 9001  
*phaedropa* Turner, Crocidosema 3274.1  
*phaelerata* Knudson & Bordelon, Apantes 8169  
*phaenna* Druce, Spragueia 9124  
*phaeobasalis* Hampson, Macalla 5576  
*phaecapna* Franclemont, Zale 8698  
*phaeopteris* Guenée, Herpetogramma 5274  
*phaerusa* Linnaeus, Dryadula 4415  
*phaetusa* Linnaeus, Dryadula 4415  
*phalaenalis* Grote, Hemeroplanis 8471  
*phalerata* Harris, Apantes 8169  
*phaleratula* Strand, Apantes 8171  
*phalerosalis* Walker, Renia 8384.1  
*phanasgalis* Walker, Bleptina 8375  
*phantasmalis* Guenée, Palpita 5217  
*phaon* W. H. Edwards, Phycodes 4480  
*phareus* Panzer, Hylephila 4013  
*phasianaria* Guenée, Eusarca 6941  
*phasma* Harvey, Eurythra 8141  
*phegeus* Hübner, Enyo 7851  
*pheonicodactyla*.– auct., Mariana 6119.1  
*phidilealis* Walker, Hellula 4847  
*phigalaria* Guenée, Nacophora 6763  
*phila* J. B. Smith, Cucullia 10192  
*philea* Johansson, Phoebe 4229  
*philealis* Walker, Herpetogramma 5272  
*philenor* Linnaeus, Battus 4157  
*phileta* Fabricius, Ascia 4198a  
*philetalis* Walker, Bleptina 8375  
*philonor* H. Edwards, Battus 4157  
*philodice* Godart, Colias 4209  
*philodine* W. H. Edwards, Colias 4209  
*philogelos* Dyar, Microphyseta 5121  
*phlaeas* Linnaeus, Lycaena 4251 (p. 62)  
*phlogophagus* Grote & Robinson, Heliothis 11072  
*phloxiphagus* Grote & Robinson, Heliothis 11072  
*phocion* Fabricius, Neonympha 4576  
*phocion* Fabricius, Polites 4041  
*phocylides* Plötz, Lerema 3998  
*phoenicealis* Hübner, Pyrausta 5049  
*phoenicis* Durrant, Ectomyelois 5723  
*pholeter* Davis, Acrolophus 370.1  
*pholus* Cramer, Darapsa 7886  
*pholus* Meyrick, Pelochrista 3170  
*phragmatidicola* Guenée, Leucania 10444  
*phragmitella* Stainton, Limnaea 1515  
*phragmitidicola* Knudson & Bordelon, Leucania 10444  
*phragmitiella* Dyar, Limnaea 1515  
*phrasiusalis* Walker, Hymenia 5169  
*phtisialis* Guenée, Mursa 8477.1  
*phylaeus* auct., Hylephila 4013  
*phyleus* Drury, Hylephila 4013  
*phylla* Dyar, Rhynchopalpus 8983.1  
*phyllira* Drury, Grammia 8194  
*phyllisalis* Walker, Diacme 5144  
*phytolacca* Clarke, Nealyda 1683  
*phytolacca* J. E. Smith, Spodoptera 9672  
*piatrix* Grote, Catocala 8771  
*piazata* Cassino & Swett, Tornos 6486  
*piceae* Busck, Endothenia 2745  
*picta* C. Felder, Heterocampa 7977  
*picta* Sepp, Erinnyis 7835  
*pictipennis* Grinnell, Emmelina 6234  
*pictipes* Grote & Robinson, Synanthedon 2550  
*pierreti* Guenée, Hypocla 8642  
*piger* Dyar, Acrolophus 371  
*piger* Grote, Prionoxystus 2692  
*pigmation* Cramer, Phocides 3865  
*pigralis* Dognin, Omiodes 5212 (ab.)  
*pigrata* Walker, Orthonomia 7414  
*pilalis* Hulst, Mecyna 5135  
*pilatka* W. H. Edwards, Euphyes 4071a

- pilatka** W. H. Edwards, Euphyes 4071  
**pilipalpis** Grote, Leucania 10463  
*pilosalis* Guenée, Hypena 8461.1  
**pilosaria** Packard, Metarranthis 6830  
*pimacoota* Cassino, Idaea 7123  
**pinatubana** Kearfott, Argyrotaenia 3602  
**pinifoliella** Chambers, Exoteleia 1840  
*pinitubana* Meyrick, Argyrotaenia 3602  
**pinus** T. N. Freeman, Choristoneura 3643  
*piperis* Grote & Robinson, Erinnyis 7835  
*piranthus* Cramer, Papilio 4175  
**pisoniae** Busck, Nealyda 1684  
**pisoniella** Busck, Scelorthus 2494  
**pistasciaria** Guenée, Hethemia 7084  
**pithecium** J. E. Smith, Phobetron 4677  
**pityochromus** Grote, Plagiomimicus 9754  
*pizote* Schaus, Cryptothoelea 442  
*placata* Grote, Argyrostrotis 8763  
**placencia** J. E. Smith, Grammia 8191  
**placida** Dyar, Furcula 7937a  
**placidana** Robinson, Accleris 3540a  
*placidaria* Guenée, Pleuorprucha 7132  
*plagiata* Walker, Condica 9693  
*plagiata* Walker, Orgyia 8316  
*plagiata* Walker, Spodoptera 9666  
*plagiata* Walker, Xestia 10950  
*plagiata*.— auct., Orgyia 8314  
*plagiatus* Walker, Prionoxystus 2693  
**plantagenaria** Hulst, Scopula 7154  
**platanana** Clemens, Ancylis 3370  
**platanella** Clemens, Ectoedemia 43  
*platanella* Clemens, Pococera 5604  
*platanella* Grossbeck, Ocala 5914  
*platea* Clemens 45  
**platella** Shaffer, Homosassa 6069  
*plautus* Scudder & Burgess, Erynnis 3947  
*plebeia* auct., Paratraea 7793  
*plebeiana* Meyrick, Crocidosema 3274  
**plebeja** Fabricius, Paratraea 7793  
*plebeialis* Lederer, Herpetogramma 5274  
**plebejana** Zeller, Crocidosema 3274  
*pleciaeformis* Walker, Pennisetia 2513  
*plectilis* Grote & Robinson, Phlyctaenia 4953a  
**plejadellus** Zincken, Chilo 5470  
**plemyraria** Guenée, Lobocleta 7097  
*plena* Walker, Dysodia 6078  
*plenilinealis* Grote, Parapolyx 4764  
*plenilinealis* Grote, Renia 8379  
*plenipennis* Walker, Zale 8694  
**plevie** Dyar, Eopargargyractis 4787  
**plexippus** Linnaeus, Danaus 4614  
*pliaduta* Nakahara, Colias 4209 (ab.)  
**ploralis** Guenée, Desmia 5167  
**plorella** Dyar, Moodnodes 6004.2  
**plucheae** Braun, Bucculatrix 524  
*plumbago* Herrich-Schäffer, Condica 9698  
*plumbaria* Hulst, Eupithecia 7474  
**plumbea** Stretch, Cisthene 8067  
**plumbicostalis** Grote, Lygropia 5249  
**plumifrontella** Clemens, Acrolophus 372  
**plumigerella** Hulst, Sarasota 5733  
*plumipes* Butler, Opogona 432.1  
*plumipes*.— Clemens, Horama 8287a  
*plummerella* Busck, Agonopterix 866  
**plummeriana** Busck, Talponia 3417  
**plumosaria** Packard, Glana 6452  
*plutella* Chambers, Dichomeris 2301  
*plutella* Chambers, Evippe 1770  
**pluto** Fabricius, Xylophanes 7887  
**pluviata** Guenée, Hydriomena 7239  
*pneumatella* Hulst, Canarsia 5926  
*poaphilodes* Rings & Rings, Epidromia 8585.1  
*poaphiloides*.— Franclemont & Todd, Epidromia 8585.1  
*pocahontas*.— Holland, Poanes 4060  
*poeas* Hübner, Callophrys 4299  
*poecila* Stephens, Sphinx 7810  
**poeyi** Grote, Euscirrhopterus 9308.1  
*polingi* B. P. Clark, Ceratomia 7787  
**polingi** Capps, Neohelviobots 4979  
*polingi*.— Forbes, Microcrambus 5422  
**polissena** Hewitson, Greta (p. 62)  
**polistiformis** Harris, Vitacea 2530  
*politana*.— auct., Argyrotaenia 3602  
**politia** Cramer, Nepheloleuca 6985  
*polyactinella* Zeller, Parapediasia 5450  
*polycaon* Cramer, Papilio 4175  
*polycaon* G. R. Gray, Papilio 4175a (var.)  
**polydamas** Linnaeus, Battus 4158  
*polydamus* McDunnough, Battus 4158  
*polygama* Guenée, Catocala 8864  
**polymniae** Bird, Papaipema 9469  
*polyphaea* Turner, Crocidosema 3274.1  
*polypheme* Hübner, Antheraea 7757  
**polyphemus** Cramer, Antheraea 7757  
**polystichalis** Capps, Undulambia 4741  
**polyxenes** Fabricius, Papilio 4159  
*pomana* Fabricius, Cydia 3492  
**pometaria** Harris, Alsophila 6258  
*pometella* Harris, Dichomeris 2281 (f.)  
*pomonana* Denis & Schiffermüller, Cydia 3492  
*pomonana* Treitschke, Cydia 3492  
*pomonella* Linnaeus, Cydia 3492  
*pompador* Pollich, Nymphalis 4432  
**ponceanus** Schaus, Papilio 4171a  
*ponderosa* Grote, Catocala 8796  
**popeanella** Clemens, Acrolophus 373  
*populi* Riley, Acronicta 9205  
*populicola* Boisduval, Pachysphinx 7828  
**porcelaria** Guenée, Protoarmia 6598  
**porcus** Hübner, Xylophanes 7887  
*porphyrea*.— Edelsten, Peridroma 10915  
**porrectalis** Fabricius, Ophiuche 8460  
**porrectella** Linnaeus, Plutella 2363  
*porrigens* Walker, Phoberia 8591  
*porssena* Scudder, Feniseca 4249  
*portia*.— Schaus, Anaea 4553a  
**portlandia** Fabricius, Enodia 4568  
**portlandia** Fabricius, Enodia 4568a  
*portoricensis* Möschler, Nola 8991  
*posterior* Walker, Zale 8687  
*posticata*.— Forbes, Compacta 5233  
*posticata* Grote & Robinson, Achyra 4975  
*postrema* Walker, Macaria 6335  
**postremella** Dyar, Varneria 6029  
*pottavattomie* Worthington, Pompeius 4048  
**powelli** Heppner, Ethmia 998.1  
**powelli** Hodges, Chionodes 2109.1  
*praeatomaria* Haworth, Macaria 6341  
*praecellens* Möschler, Dpytergia 9562.1  
*praecipua* Walker, Anicla 10911  
**praeclara** Grote & Robinson, Catocala 8865  
*praecox*.— Hübner, Anicla 10911  
**praefectellus** Zincken, Crambus 5355  
*praeficalis* Möschler, Penestola 5179  
*praegrandaria* Guenée, Campaea 6796  
*praepilata* Grote, Paectes 8959.1  
*praepilata*.— auct., Paectes 8959  
*praerupta* Möschler, Anomis 8551  
*praeterea* Kardakoff, Lymantria 8318  
*prasina* Walker, Heliothis 11071  
*pravella*.— auct., Nephopterix 5789  
*praxialis*.— auct., Diaphania 5202  
*preciosalis* Möschler, Sisyraea 5194  
*pretiosa* Lintner, Catocala 8858 (f.)  
*pretiosa* Morrison, Cirrhophanus 9766  
*pretiosalis* auct., Sisyraea 5194  
*pretus*.— Clemens, Horama 8287a  
*pretus*.— Walker, Horama 8287  
**priapeia** Heinrich, Bactra 2709  
*pricei* Field, Eurytides 4184 (ab.)  
*prima* J. B. Smith, Anorthodes 9650  
*prima* Slosson, Spilosoma 8136  
**primipilana** Meyrick, Aristotelia 1754  
**primordialis** Dyar, Anageshna 5176  
*princes* Walker, Pachysphinx 7828  
*principalis* Lederer, Phaedropsis 5246  
*principalis* Walker, Chalcoela 4896  
*principalis* Lederer, Phaedropsis 5246  
*prini* J. E. Smith, Dolba 7784  
*priscilla* Möschler, Antiblemma 8579  
*privata* Walker, Zale 8684  
*probalis* Walker, Pyrausta 5050  
*procox* Meyrick, Sparganothis 3702  
*proceralis* Lederer, Pyrausta 5071  
*procris* W. H. Edwards, Copaeodes 4010  
**prodenialis** Walker, Melitara 5970  
**proditata** Walker, Thysanopyga 6712  
*producta* Walker, Paectes 8962  
**productata** Packard, Idaea 7112  
**profanellus** Walker, Fissicrambus 5431  
*profecta* Walker, Epidromia 8585.3  
*professorum* Schaus, Anomis 8549  
*prognealis* Walker, Desmia 5162  
**projecta** Walker, Cleora 6595  
**prolata** Walker, Melipotis 8606  
*prolatellus* Grote, Chilo 5470  
**prolongalis** Guenée, Microthyris 5264  
**promethea** Drury, Callosamia 7764  
*promethia* Knudson & Bordelon, Callosamia 7764  
**promiscuata** Ferguson, Macaria 6331  
*promptella* Walker, Doryodes 8767  
**prophetica** Dyar, Neoleucinodes 5102  
**propinquialis** Guenée, Rivula 8404  
*propinquialis* Möschler, Desmia 5167  
**propinquis** Walsingham, Acrolophus 374  
*proprialis* Fernald, Synclita 4755  
*propulsa* Walker, Anepia 10317  
*proserpina* Fabricius, Hemileuca 7730  
*proserpina* Scudder, Asterocampa 4562.1a (f.)  
*proteella* Walsh, Characoma 8974  
**proterpia** Fabricius, Eurema 4236 (p. 62)  
**proteus** Linnaeus, Urbanus 3886  
*protillus* Herrich-Schäffer, Urbanus 3889  
**protodice** Boisduval & Leconte, Pontia 4192  
*protodin* W. H. Edwards, Pontia 4192  
*protractaria* Herrich-Schäffer, Phrudocentra 7051  
**protumnusalis** Walker, Zanclognatha 8349  
*proxanthata* Walker, Macaria 6336  
**proxima** H. Edwards, Synanthedon 2572  
**prudens** Clemens, Trypanisma 1841  
*pruinosa* Chambers, Parornix 673  
*prunata* Barnes & Benjamin, Acronicta 9240 (f.)  
**pruni** Harris, Acronicta 9240  
*pruniella* Clemens, Anarsia 2257  
**prunifoliella** Chambers, Evippe 1771  
*prunionella* Chambers, Parornix 673  
**pruniramiella** Clemens, Xylesthia 317  
**prunivorata** Ferguson, Rheumaptera 7292  
*prunivorella* Chambers, Parornix 673  
*pryerella* Vaughan, Ectomyeloides 5723  
*psammioxantha* Dyar, Ocrasa 5531  
*psarella* Hampson, Ectomyeloides 5723  
*pseudacaciella* Fitch, Phyllonorycter 790  
*pseudargiolus* Boisduval & Leconte, Celastrina 4363  
**pseudargyralis** Munroe, Diastictis 5254  
*pseuderminea* Harris, Estigmene 8131  
**pseuderosnealis** Munroe, Pyrausta 5053  
*pseudoamericanus* M. Brown, Papilio 4159a (f.)  
**pseudofea** Morrison, Brepidium 4354a  
*pseudoptiletes* Boisduval & Leconte, Hemiargus 4359a  
*pseudora* Scudder, Celastrina 4363 (ab.)  
**pseudothyreus** Grote, Madoryx 7843  
*psilogrammaria* Zeller, Anavitrinella 6590  
*psyche* Boisduval & Leconte, Parrhasius 4335 (f.)  
**psychialis** Hulst, Xanthophysa 4879  
*psychialis* auct., Xanthophysa 4879  
**psychotriella** Busck, Metriochoera 699  
*pterodactyla*.— auct., Emmelina 6234  
*pterogrisella* Roesler, Ephestia 6021  
*ptiladelpha* Meyrick, Crocidosema 3274  
*ptychis* Dyar, Atheloca 5734  
**puber** Grote & Robinson, Patalene 6974b  
**pudens** Guenée, Euthyatira 6240  
**pudens** H. Edwards, Cynia 8229  
*pudorata* Morrison, Acronicta 9212  
*puer* Dyar, Elasmopalpis 5896  
*puer* Hübner, Ancyloxypha 4004  
**puera** Cramer, Hyblaea 6088  
*pugione*.— auct., Empyreuma 8272  
*pulchella* Boisduval, Phycodes 4481  
*pulchella* Grote, Acontia 9145  
**pulchella** Herrich-Schäffer, Spodoptera 9668  
*pulchella* Walker, Vaxi 5465  
*pulchellana* Clemens, Ancylis 3374  
*pulchellus* Zeller, Crambus 5357  
*pulchellus*.— Felt, Crambus 5355  
**pulcherrima** Grote, Eutelia 8968  
*pulcherrima* Stretch, Apantesis 8169  
*pulchra* Strecker, Danaus 4614 (ab.)  
**pulchrimella** Chambers, Cosmopterix 1472  
*pulchripictalis*.— auct., Pyrausta 5040  
**pultaria** Guenée, Lambdaia 6889  
**pulverilinea** Grote, Matigramma 8679  
*pulverosa* J. B. Smith, Idia 8322  
*pulverosa* Walker, Lesmone 8653  
**pulverosalis** Walker, Gabara 8524

- pulverulenta* Brower, Catocala 8877 (f.)  
*pumila* Boisduval & Leconte, Calephelis 4386  
*pumilella* Ragonot, Salebriaria 5776  
*pumilella* Kimball, Salebriaria 5776  
*pumilio* Zeller, Exelastis 6142.2  
*punctata* Fitch, Hyphantria 8140  
*punctata* Strand, Leucania 10440  
*punctata* Walker, Dasylophia 7957  
*punctata* Warren, Chloropteryx 7077  
*punctatissima* J. E. Smith, Hyphantria 8140  
*punctatissima* Neumoegen, Eacles 7704  
*punctella* Cramer, Atteva 2401  
*punctella* Grote & Robinson, Lerema 3998  
*punctidiscanum* Dyar, Cydia 3495  
*punctidiscella* Clemens, Dichomeris 2283  
*punctifera* Walker, Anomis 8553  
*punctifera* Walker, Conica 9696.1  
*punctiferella* Clemens, Hyatopa 1208  
*punctifinis* Hampson, Cobubatha 9012.1  
*punctiformis* J. B. Smith, Chytolita 8356  
*punctilimbella* Ragonot, Peoria 6049  
*punctilineella* Barnes & McDunnough, Xubida 5502  
*punctipennella* Clemens, Dichomeris 2288  
*punctirena* Walker, Dypterygia 9562.1  
*punctivena* J. B. Smith, Antiblemma 8577  
*punctofimbriata* Packard, Ideia 7123  
*punctolineata* Packard, Macaria 6332  
*pungens* Eschscholtz, Agrius 7771  
*puntagorda* Slosson, Dasylophia 7957  
*pupalis* Strand, Pyralis 5515  
*pupula* Hübner, Eustixia 4794  
*pupula* Hübner, Lactura 2405  
*pura* Barnes & McDunnough, Crambidia 8052  
*pura* Butler, Uettheisa 8105  
*puraria* Walker, Scopula 7161  
*purata* Guenée, Scopula 7158  
*purgata* Walker, Caenurgia 8733  
*purissima* Dyar, Boryzops 8643  
*purpurana* Clemens, Archips 3658  
*purpurascens* Hulst, Leptostales 7175  
*purpuratus* Gunder, Limentis 4522a (f.)  
*purpurella* Dietz, Pigritia 1232  
*purpuriella* Braun, Periploca 1560  
*purpuriella* Swezey, Opogona 433.1  
*purpuripennis* Grote, Iodopepla 9522  
*purpurissata* Grote, Leptostales 7173  
*purpurocomella* Clemens, Holcocera 1175  
*pusilla* Möschler, Rivula 8404.1  
*pusillalis* auct., Argyria 5463  
*pussillalis* Hübner, Argyria 5463  
*pusillidactyla* Walker, Lantanophaga 6119  
*pustula* Geyer, Wallengrenia 4046  
*pustularia* Guenée, Itame 6273  
*pustularia* Hübner, Hypagyrtis 6654  
*pustulata* Walker, Nola 8989  
*pustulella* Fabricius, Atteva 2401  
*pustulella* Fabricius, Atteva 2401  
*pustuliferalis* Lederer, Crocidophora 4943  
*putrescens* Guérin-Ménéville, Zale 8689  
*putrida* Guenée, Spodoptera 9672  
*pygmaea* Barnes & McDunnough, Prochalia 439  
*pygmaea* Grote, Redectis 8400  
*pygmaea* Hübner, Paectes 8959  
*pygmaea* Rambur, Spodoptera 9665  
*pygmaella* Ragonot, Dioryctria 5849  
*pygmaeus* Walsingham, Trichoptilus 6101  
*pylades* Scudder, Thorybes 3910  
*pyllis* Dyar, Unadilla 5948  
*pyloalis* Walker, Glyphodes 5197  
*pyralidiformis* Walker, Carmenta 2608  
*pyraliformis* Walker, Epidromia 5853.3  
*pyralina* Möschler, Gorgythion 3933a  
*pyralis* Hübner, Hemeroplanis 8467  
*pyraloides* Hübner, Hemeroplanis 8467  
*pyraloides* Walker, Heliothis 11070  
*pyramidoides* Guenée, Amphipyra 9638  
*pyramidoies* Tietz, Amphipyra 9638  
*pyramus* Boisduval, Hemaris 7853  
*pyramusalis* Walker, Phalaenophana 8338  
*pyrastis* Hampson, Eutelia 8968.1  
*pyraustalis* Dyar, Ostrinia 4946  
*pyrenealis* Walker, Trischistognatha 4933  
*pyricolana* Murtfeldt, Grapholita 3428  
*pyrifoliana* Clemens, Spilonota 2906  
*pyrolaria* Guenée, Exelis 6478  
*pyropsalis* Hampson, Mimophobeton 5237
- pyrrhochrella* Ragonot, Ufa 5895  
*pyxidifera* J. E. Smith, Lagoa 4642  
*quadralis* Barnes & McDunnough, Parahenodes 8430  
*quadranulata* Morrison, Faronta 10430  
*quadrate* J. B. Smith, Emarginea 9718  
*quadricornis* Harris, Ceratomia 7786  
*quadriristatella* auct., Stilbosia 1597  
*quadriristatella* Chambers, Stilbosia 1597  
*quadrifasciana*—Rings & Rings, Argyrotaenia 3623  
*quadrifera* Zeller, Tripudia 9003  
*quadrifilaris* Hübner, Argyrostrotis 8762  
*quadrifilaria* Tietz, Argyrostrotis 8762  
*quadriguttalis* Hübner, Alypia 9314  
*quadriguttaria* Walker, Trigrammia 6360  
*quadrui* Ahmad, Euchromius 5454  
*quadrinotaria* Herrich-Schäffer, Trigrammia 6360  
*quadrinotata* Walker, Heterophleps 7647  
*quadriristatella* Walker, Metactetra 8500  
*quadriristigella* Guenée, Palpita 5218  
*quadriristigella* Chambers, Pseudopostega 122  
*quaiapen* Scudder, Hesperia 4029  
*quaintancella* Dietz, Blastobasis 1164  
*quantulella* Hulst, Erelieva 6034  
*quatiens* Walker, Ephyrodes 8582  
*quercana* Fernald, Sparganothis 3716  
*querceti* Herrich-Schäffer, Euclea 4697 (f.)  
*quercetorum* Frey & Boll, Phyllonorycter 752  
*quercicella* Clemens, Psilocorsis 955  
*quercicella* McDunnough, Dichomeris 2287  
*quercicola* Herrich-Schäffer, Euclea 4697  
*quercicolella* Ragonot, Salebriaria 5775  
*querciella* Barnes & McDunnough, Pococera 5602  
*querciella* Busck, Antaeotricha 1015  
*querciella* Chambers, Dichomeris 2287  
*quercifoliaria* Fitch, Argyrotaenia 3623  
*quercifoliella* Chambers, Chionodes 2064  
*quercifoliella* Chambers, Neurobathra 663  
*quercifoliella* Fitch, Phyllonorycter 752  
*quercinigrella* Ely, Caloptilia 627  
*querciperda* Fitch, Prionoxystus 2694  
*querciperda* Packard, Prionoxystus 2693 (ab.)  
*quercipominella* Chambers, Dichomeris 2281  
*quercipomonella* auct., Dichomeris 2281  
*quercitella* Clemens, Tischeria 144  
*quercitorum* Chambers, Phyllonorycter 752  
*quercivoraria* Guenée, Besma 6885  
*quercivorella* Chambers, Cameraria 835  
*quercus* Butler, Erynny 3954  
*quercus* Ehrmann, Prionoxystus 2693 (ab.)  
*querceti* Herrich-Schäffer, Euclea 4697  
*quernaria* J. E. Smith, Nacophora 6763  
*quietalis* Walker, Asciods 5267  
*quinella* Zeller, Fascista 2205  
*quinqualis* Hübner, Syngamia 5284  
*quinquareatus* Zeller, Crambus 5369  
*quinqueannulata* Chambers, Trypanisma 1841  
*quinqueareatus* auct., Crambus 5369  
*quinquecaudata* Ridings, Sannina 2590  
*quinquelinedis* Grote, Herpetogramma 5280  
*quinquemaculana* Robinson, Eucosma 3008  
*quinquemaculata* Haworth, Manduca 7776  
*quinquepunctata* Forbes, Ithome 1649  
*quinquepunctella* Chambers, Prodoxus 200  
*quinquepunctella* Grote, Nephopterix 5797  
*quinquestrigella* Chambers, Acrocercops 694  
*quinquistrigella* Chambers, Acrocercops 694  
*quintana* Zeller, Eucosma 3009  
*quisqualis* Hampson, Syngamia 5284  
*quisqueliella* McDunnough, Holcocera 1175  
*quisqueliella* Zeller, Holcocera 1175 (var.)  
*rabula* Hodges, Chionodes 2111.1  
*race annettella* Engelhardt, Alcatheo 2623  
*race buscki* Engelhardt, Synanthedon 2554  
*race gamma* Cockerell, Smerinthus 7821  
*race kanawahensis* Sweadner, Chermock & Chermock, Ceratomia 7789  
*radians* Lucas, Choranthus 4066 (p. 62)  
*radians* Walker, Apantesis 8170  
*radiata* J. B. Smith, Feltia 10670  
*radiata* Manon, Lymantria 8318  
*radiata* Pagenstecher, Banisia 6086  
*radiatus* Strecker, Papilio 4181 (ab.)  
*ralumensis* Pagenstecher, Megalorhipida 6104  
*ramburialis*—auct., Diasemiopsis 5171  
*ramentalis* Lederer, Pilocrocis 5281
- ramosula* Guenée, Nedra 9582  
*ramsdensis* Schaus, Hahncappisia 4971  
*ramstadti* Wyatt, Bomolocha 8442.1  
*ranaceps* Guérin-Ménéville, Datana 7911  
*ranalis* Guenée, Blepharomastix 5182  
*randiella* Busck, Neurolipa 659  
*rantalis* Guenée, Achyra 4975  
*rapae* Linnaeus, Pieris 4197  
*rara* Klatt, Lymantria 8318  
*raracana* Kearfott, Phaneta 2928  
*rarissima* Munroe, Undulambia 4742  
*rasilis* Morrison, Elaphria 9684  
*rauterbergi* Skinner, Urbanus 3889  
*ravicapitis* Hodges, Martyringa 1066  
*ravus* Rindge, Tornos 6487  
*rayata* Barnes & McDunnough, Copaeodes 4010  
*reaghi* Reiff, Phyciodes 4481 (ab.)  
*reconditalis* Walker, Diatrausta 5174  
*reconditaria* Walker, Scopula 7159  
*recta* Guenée, Eublemma 9078  
*rectarius* Dyar, Acolithus 4627  
*rectifascia* Grote, Bagisara 9169  
*rectifascia* Herrich-Schäffer, Melipotis 8603  
*rectifasciata* Wolcott, Melipotis 8603  
*rectifex* Hodges, Chionodes 2111.2  
*rectilinea* Grote & Robinson, Apoda 4668  
*rectilinea* Zeller, Chlorochlamys 7071  
*recurvalis* Fabricius, Spoladea 5170  
*recurvata* Möschler, Salobrena 5560  
*recurvella* Zincken, Spoladea 5170  
*recusans* Walker, Pangrapta 8490  
*redditura* Walker, Dysgonia 8724  
*redita* R. Felder, Acontia 9136  
*redita*—Druce, Acontia 9143  
*redota* Draudt, Acontia 9143  
*redtenbacheri* Lederer, Dichogama 4790  
*reducta* Dufrane, Colias 4209 (ab.)  
*reductalis* Walker, Omiodes 5212  
*reductaria* Walker, Macaria 6405  
*reductella* Dietz, Holcocera 1175 (var.)  
*reductella* Walker, Tlascala 5808  
*reedella* Chambers, Dichomeris 2281  
*reflexella* Clemens, Psilocorsis 957  
*refulgens* H. Edwards, Synanthedon 2566  
*regalis* Fabricius, Citheronia 7706  
*regalis* Wyatt & Beer, Papaipema 9482 (f.)  
*regia* Heppner, Diploschizia 2345.5  
*regia* J.E. Smith, Citheronia 7706  
*reginalis* Stoll, Lyptotigris 5252  
*regnatrix* Grote, Xanthopastis 10640  
*regulus* W. H. Edwards, Atrytonopsis 4084b  
*reinthalii* Friedlander, Asterocampa 4557b  
*relevata* Swett, Scopula 7159 (f.)  
*reliquella* Dyar, Phyciodes 5946  
*rellovae* Klotz, Xubida 5501  
*remigipila* Guenée, Cissusa 8592  
*remissa* Walker, Conica 9696  
*remissaria* Guenée, Eusarca 6941  
*remota* J. B. Smith, Euxoa 10805  
*remotaria* Walker, Dichorda 7053a  
*removana* Kearfott, Apotomis 2768  
*reneella* Wilkinson, Ectoedulia 58.1  
*renicullella* Grote, Dioryctria 5841.1  
*reniformis* J. B. Smith, Glyptis 8478  
*renigera* Stephens, Lacinipolia 10397  
*repanda* Fabricius, Bagisara 9168  
*repanda* Walker, Panopoda 8587  
*repanda*—auct., Mocis 8743  
*repandalis* Schaus, Desmia 5167  
*repandana* Walker, Platynota 3745  
*repellens* Walker, Hemeroblemma 8645  
*repentinus* Clemens, Ceratomia 7787  
*repetitalis* Grote, Herpetogramma 5272  
*repleta* Walker, Agrotis 10665  
*repletalis* Walker, Pyrausta 5060  
*repletaria* Walker, Lobocleta 7094  
*repugnalis* Hübner, Azeta 8575  
*repugnata* Walker, Epismasia 6713  
*repugnatalis* Walker, Carectocultus 5307  
*resistaria* Herrich-Schäffer, Nematocampa 7009  
*respicens* Walker, Hemeroblemma 8645  
*responsaria* Walker, Scopula 7153  
*restituens* Walker, Alsophila 6258  
*restituta* Walker, Achaea 8721.1  
*restituta* Walker, Perigonia 7846  
*restrictalis* Grote, Renia 8386

*restrictata* Walker, Scopula 7159  
**resumens** Walker, Psachyloides 7842  
**resumens** Walker, Psaphida 10019  
**resumptana** Walker, Epiblema 3205  
**retardata** Walker, Acronicta 9251  
*retectata* Walker, Digrammia 6357  
**retectella** Zeller, Blastobasis 1166  
*retentata* Walker, Digrammia 6357  
**reticulatana** Clemens, Sparganothis 3720  
*reticulatus* Lintner, Prionoxystus 2693 (ab.)  
*reticulina* Beutenmüller, Hexeris 6082  
*retinalis*.– auct., Synclera 5196  
**retiniella** Forbes, Zelleria 2431  
*retis* Grote, Homophoberia 9056  
**retractaria** Walker, Idaea 7124  
*retractus* Plötz, Urbanus 3889  
*retroversa* Morrison, Homohadena 10065  
**reversa** Jones, Amblyscirtes 4101  
**reversalis** Guenée, Uresiphita 4992  
*reversata* Dyar, Zanclognatha 8345 (f.)  
*revocata* Walker, Phigalia 6658  
*revolta* Walker, Plathypena 8465  
*revoluta* Walker, Plathypena 8465  
*rhaebus* Boisduval, Erinnyis 7837  
*rhedaria* Meyrick, Chionodes 2093  
*rhexiae* J. E. Smith, Heliothis 11071  
*rhoda* Butler, Apantesis 8169  
*rhodana* Strand, Apantesis 8169  
**rhodarialis** Walker, Phytometra 8481  
*rhodope* Hampson, Mimophobetron 5237  
*rhodophaea* Meyrick, Eucosma 3072  
*rhodopides* Strand, Mimophobetron 5237 (ab.)  
**rhoioliella** Chambers, Caloptilia 630  
**rhynchosiae** Dyar, Stenoptilia 6143.1  
**richardsi** Brower, Metalectra 8505  
**richardsi** Engelhardt, Synanthedon 2548  
*richii*.– Kimball, Plagiomimicus 9754  
*rickseckeri* Behr, Estigmene 8131  
*ridingsi* Hampson, Exyra 8905.2  
**ridingsii** Riley, Exyra 8905.2  
**rigidana** Fernald, Rhyacionia 2868  
*rilevaria* Packard, Mellila 6322  
**rileyana** Grote, Archips 3662  
**rileyana** H. Edwards, Synanthedon 2552  
**rileyana** Harvey, Heteropacha 7685  
*rileyana* J. B. Smith, Morrisonia 10511  
**rileyella** Chambers, Phyllonorycter 789  
*rileyella* Dyar, Argynia 5462  
**rileyi** Dietz, Nemapogon 272  
**rileyi** Walsingham, Pyroderces 1512  
**rimosalis** Guenée, Evergestis 4898  
**ringsi** Metzler, Cochylis 3768.2  
*rivularia* Grote, Almodos 6260  
*rivularis* Butler, Cocytius 7773  
*rivulella* Möschler, Stegasta 2209.1  
**rivulosa** Guenée, Schinia 11135  
*robiginosus* Morrison, Tornos 6486  
*robinella* Knudson & Bordelon, Sinoe 1834  
**robiniae** Peck, Prionoxystus 2693  
**robiniella** Clemens, Parectopa 657  
**robiniella** Clemens, Phyllonorycter 790  
**robiniella** Fitch, Sinoe 1834  
**robinsonana** Grote, Eucosma 3009  
*robinsonii* Butler, Laothoe 7827  
*robinsonii* Grote, Chalcoela 4896  
**robusta** Strecker, Datana 7909  
*robustella* Dyar, Salebriaria 5774  
*robustella* Walker, Stegasta 2209.1  
**robustella** Zeller, Pococera 5595  
**rogatalis** Hulst, Hellula 4846  
*rogationis*.– auct., Pseudoplusia 8890  
**rolandi** Grote, Psaphida 10014  
*rosa* Druce, Pyrausta 5037  
*rosa* French, Holomelina 8122  
*rosa* McNeill, Zerene 4224 (f.)  
*rosa* Whittaker & D. Stallings, Junonia 4440 (ab.)  
**rosaceana** Harris, Choristoneura 3635  
*rosacearum* Boisduval, Paonius 7825  
*rosalba* Grote, Phytometra 8481  
**rosachreana** Kearfott, Olethreutes 2847.2  
*rosaschreana* Kearfott, Olethreutes 2847.2  
**roscidella** Dyar, Donacula 5321  
*rosea* Röber, Zerene 4224 (f.)  
*rosea* Walker, Hyparpax 8022  
**rosea** Walker, Oreta 6255  
*rosealis* Möschler, Portentomorphia 5078

*roseatella* Packard, Peoria 6053  
*roseicosta* Barnes & McDunnough, Acratodes 7148  
*roseicosta* Guenée, Panopoda 8587 (f.)  
**roseitincta** Harvey, Schinia 11092 (p. 62)  
*roseocostella* Walsingham, Dichomeris 2287  
**roseola** J. B. Smith, Amolita 9821  
*roseopennella* Hulst, Peoria 6043  
**roseosuffusella** Clemens, Aristotelia 1761  
*roseotincta* Hulst, Lophosis 7181  
**roseotinctella** Ragonot, Peoria 6049  
*rosescens* Hampson, Eublemma 9077  
*roseus* Gehlen, Cocytius 7773 (ab.)  
*rossii* Ross, Actias 7758  
**rostrana** Walker, Platynota 3745  
*rothkei* Reiff, Colias 4209 (ab.)  
**rotundalis** Walker, Idia 8326  
*rotundata* Rothschild, Manduca 7783  
*rotundatella* Turati, Cadra 6022  
**rotundipennis** Walsingham, Apotoforma 3564  
*roxana* Druce, Autoplusia 8894  
*roxburghi* Spuler, Ephestia 6021  
*roxburghii* Gregson, Ephestia 6021  
*roxburgii* Staudinger & Rebel, Ephestia 6021  
**rozmani** Berio, Dyperterygia 9560  
**rubedinella** Zeller, Ufa 5895  
*rubens* H. Edwards, Hemaris 7855  
*rubensella* Chambers, Aristotelia 1762  
*rubescens* Walsingham, Anacamptis 2236  
*rubii* Riley, Pennisetia 2513  
**rubicunda** Fabricius, Dryocampa 7715  
*rubicunda* Walker, Callopietria 9631  
*rubicundalis* Lederer, Pyrausta 5071  
**rubicundaria** Hübner, Holomelina 8122  
**rubidella** Clemens, Aristotelia 1762  
*rubidus* Strecker, Limenitis 4522a (hyb.)  
*rubifasciella* Beutenmüller, Acrobasis 5690  
**rubigalis** Guenée, Udea 5079  
*rubiginalis* Walker, Hulstia 5918  
*rubiginea* Hampson, Salobrena 5560  
*rubiginella* Walker, Adelphia 5890  
*rubiginosa* Bird, Papaipema 9472 (f.)  
*rubiginosa* Strecker, Schinia 11140  
*rubipennis* Knudson & Bordelon, Faronta 10434  
*rubivora* Riley, Synchlora 7058  
*rubivoraria* Packard, Synchlora 7058  
*rubrana* Fitch, Galasa 5552  
**rubria** Fruhstorfer, Vanessa 4437a  
*rubribasella* Hulst, Etiella 5744  
**rubricalis** Hübner, Pyrausta 5051  
**rubricoma** Guenée, Acronicta 9199  
*rubricosta* Ehrmann, Holomelina 8118  
*rubricosta* Guenée, Panopoda 8587 (f.)  
**rubrifasciella** Packard, Acrobasis 5690  
*rubrifrontaria* Packard, Synchlora 7058  
*rubrifusa* Hampson, Spodoptera 9673.1  
*rubripennis* Butler, Protambulyx 7818 (var.)  
**rubripennis** Grote & Robinson, Faronta 10434  
*rubripennis* Neumoegen & Dyar, Nadata 7915  
**rubrofascia** H. Edwards, Synanthedon 2567  
*rubrolinearia* Packard, Nemoria 7046  
**rubromarginaria** Packard, Leptostales 7179  
*rubromarginata* auct., Leptostales 7179  
*rubromarginata* Davis, Actias 7758  
*rubrostigma* Kellicott, Synanthedon 2571  
*rubrosuffusa* Cockerell, Actias 7758  
*rubrosuffusa* Field, Junonia 4440 (ab.)  
**rubrotincta** Hulst, Leptostales 7176  
*rude* H. Edwards, Natada 4679  
*ruderella* Chambers, Dichomeris 2281  
*ruderella* Zeller, Setomorpha 428  
*rudisana* Walker, Spragueia 9132  
*rudisana*.– Druce, Spragueia 9128  
*rudkini* Gunder, Colias 4210 (ab.)  
*rufa* Bethune-Baker, Amyna 9070  
*rufa* Haworth, Ephestia 6021  
*rufa* Silva, Enyo 7851 (ab.)  
**rufago** Hübner, Xystocheilus 9942  
**rufaria** Swett, Xanthotype 6742  
**rufescens** Hampson, Omiodos 5213  
*rufescens* Hulst, Lobocleta 7097  
*rufescentalis* Walker, Ufa 5895  
*ruficaudis* Kirby, Hemaris 7853  
*ruficollis* Walker, Datana 7902  
**ruficornis** H. Edwards, Osmia 2545  
**rufidiscalis** Hampson, Azochis 5232  
*rufifimbrialis* Grote, Pyrausta 5071

*rufilinearia* Walker, Scopula 7160  
**rufimaculatella** Neunzig, Salebriaria 5777.2  
**rufimargo** Hübner, Panopoda 8587  
*rufimedia* Grote, Schinia 11105  
*rufinalis* Walker, Adelphia 5890  
**rufinans** Guenée, Antiblemma 8577  
**rufipenna** Hardwick, Schinia 11116.1  
*rufisignalis* Schaus, Argynia 5462  
**rufisignella** Zeller, Argynia 5462  
**rufitinctalis** Hampson, Dicepolia 4796.1  
**rufofascialis** Stephens, Mimoschinia 4826  
*rufofrontaria* Gumpfenberg, Synchlora 7058  
**rufofuscus** Hewitson, Strymon 4338 (p. 62)  
*rufiorrorata* Strand, Lacinipolia 10411 (f.)  
*rufusella* Chambers, Anacamptis 2236  
**rugifrons** Grote, Stiria 9785  
**ruisa** Forbes, Trichoclea 10262  
*ruperti* McDunnough, Zale 8704 (f.)  
*rupicella* Zeller, Setomorpha 428  
*ruptalis* Walker, Marasmia 5289  
*ruptilinea* Walker, Adoneta 4685  
*rurea* W. H. Edwards, Euphyes 4078a  
*uricola* Boisduval, Euphyes 4078  
*rurigena* Grote, Phalaenophana 8338  
*russaris* Guenée, Melipotis 8603  
*russata* Hulst, Idaea 7114  
**rustica** Fabricius, Manduca 7778  
*rustica* Walsingham, Dichomeris 2284  
**rutella** Zeller, Setomorpha 428  
*rutila* Walker, Argyrogramma 8885  
*rutila*.– Bird, Papaipema 9465  
**sabalella** Chambers, Homaledra 1422  
*sabalus* Walker, Omiodos 5212  
**sabinalis** Dyar, Gonocausta 5078.1  
**sabinella** Forbes, Phaenocarpa 430  
*sabuliferus* Walker, Chilo 5470  
*sabulina* Butler, Etiella 5744  
**saccharalis** Fabricius, Diatraea 5475  
**saccharella** Busck, Dicranoctetes 1132.1  
**sacchari** Bojer, Opogona 432.1  
*sacchari* Fabricius, Diatraea 5475  
*sacchari* Guilding, Diatraea 5475  
**sacculalis** Ragonot, Penthesilea 5555  
**sacculana** Bosc, Clydonopterion 5563  
*sangeri* Neumoegen, Citheronia 7706  
*saga* Fabricius, Hyblaea 6088  
*saganella* Hulst, Ragonotia 5902  
*sagittaria* Harris, Acronicta 9237  
**sagra** Poey, Eupyrhroglossum 7846.1  
*saimdersoo* Grote, Grammia 8196  
*saliciana* Clemens, Gypsonoma 3228  
**salicicolana** Clemens, Gypsonoma 3228  
*salicis* Harris, Acronicta 9272  
*salienta* Pearsall, Venusia 7428  
*saligna* Zeller, Colobochyla 8411  
*saligna*.– Kurisaki, Phyllocnistis, 854.1  
*saligneana* Clemens, Epiblema 3186  
**salinaris** Busck, Gnorimoschema 1993  
*salusaria* Hulst, Eueana 7070  
**salusalis** Walker, Renia 8378  
*samborni* Bryk, Acoliothis 4629  
*sambucalis* Denis & Schiffermüller, Phlyctaenia 4953  
*sambucata* Guilding, Phlyctaenia 4953  
*samealis* Dyar, Crocidocnemis 5153  
*samoset* Scudder, Amblyscirtes 4096  
**sanantonio** Lucas, Proteides 3868a  
*sanbornana* Robinson, Choristoneura 3631  
*sanborni* H. Edwards, Carmenta 2592  
*sanborni* Packard, Acoliothis 4629  
*sancta* Hulst, Catocala 8877  
*sanctahelenae* Walker, Opogona 432.1  
*sandarac* Herrich-Schäffer, Asbolis 4079  
*sandix* Guenée, Achatodes 9520  
**sanfordellus** Klots, Crambus 5367  
**sanfordi** Rindge, Macaria 6337  
**sangala** Hewitson, Electrostrymon 4351  
**sangamonina** Barnes & McDunnough, Bleptina 8372  
**sanguinea** Geyer, Schinia 11173  
*saniaria* Hübner, Haematopis 7146  
**santafaelis** Heppner, Petrophila 4778  
*santanas* Hodges, Catocala 8801 (f.)  
*santaremaria* Walker, Semiothisa 6325.1  
**santatalis** Barnes & McDunnough, Pseudopyrausta 4939  
*santes* Fitch, Colias 4209  
*santiagella* Dyar, Ereliava 6034

- santiagellus* Schaus, Fissicrambus 5437  
*saphirinella* Chambers, Gnorimoschema 1998  
*sapillitalis* Weyenbergh, Diaphania 5204  
*sapodilla* Heppner, Dichrorampha 3414.1  
*sappho* Strecker, Catocala 8786  
*sapygaeformis* Walker, Synanthedon 2573  
*sardiopa* Meyrick, Eucosma 3128  
*sarpida* R. Felder, Magasa 9637  
*sartana* Hübner, Carolella 3782  
*sassacus* Harris, Hesperia 4033 (p. 62)  
*sassafrasella* Chambers, Caloptilia 633  
*satanaria* Guenée, Ceratonyx 6780  
*satanas* Reiff, Catocala 8801 (f.)  
*satellitica*.— auct., Eumorpha 7859  
*satrapellus* Zincken, Crambus 5372  
*saturalis* auct., Hydriris 5127  
*saturata* Grote, Schinia 11140  
*saturata* Walker, Metallata 8573  
*saturatana* Walker, Platynota 3745  
*saturiba* Ferguson, Nemoria 7034  
*saturnalis* Treitschke, Hydriris 5127  
*satyriniformis* Hübner, Melittia 2536  
*saucia* Hübner, Peridroma 10915  
*saundersana* Kearfott, Grapholita 3443  
*saundersi* Bethune, Zale 8689 (f.)  
*saundersiana* Grote, Oncocnemis 10099  
*savigny* Latreille, Polygonus 3872  
*scabra* Fabricius, Plathypena 8465  
*scabrana*.— auct., Acleris 3540a  
*scabriuscula*.— auct., Dypterygia 9560  
*scapha* Harris, Prolimacodes 4671  
*scardinus* Zeller, Acrolophus 373  
*scarificata* Meyrick, Lorita 3781  
*sepsiformis* H. Edwards, Vitacea 2531  
*schausaria* H. Edwards, Ametris 6259  
*schausi* Barnes & Benjamin, Macristis 8403  
*schisticolor* Zeller, Etiella 5744  
*schistisemalis* Hampson, Hileithia 5191  
*schlaegeri* Zeller, Antaeotricha 1011  
*schmalzriedi* Lemmer, Acronicta 9254 (f.)  
*schraderi* Gunder, Junonia 4440 (ab.)  
*schwarziorum* Dyar, Cisthene 8066  
*schindens* Walker, Isogona 8498  
*scintillans* Grote & Robinson, Catocala 8770 (f.)  
*scintillans* Warren, Leptostales 7178  
*scintillaria* auct., Idaea 7105  
*scintillularia* Hulst, Idaea 7105  
*scioterma* Meyrick, Opostegoides 125  
*scirpicola* Guenée, Leucania 10455  
*scirpicola* Hodges, Cosmopterix 1494  
*scissa* Grote, Schinia 11098  
*scissa* Walker, Panopoda 8587  
*scissalis* Walker, Ophiuche 8456  
*scissilinea* Walker, Metallata 8573  
*scissoides* Benjamin, Schinia 11099  
*scitata* Walker, Lambdina 6889  
*scitilinea* Walker, Ephyrodes 8582  
*scitiscrupta* Walker, Cerura 7942  
*scitivitalis*.— auct., Etiella 5744  
*scitula* Harris, Synanthedon 2549  
*scobialis* Grote, Idia 8330  
*scolopacinaris* Guenée, Tornos 6486  
*scopelopes* Seitz, Hemeroplanis 8467  
*scopulaepes* Stephens, Hemeroplanis 8467  
*scopulepes* Haworth, Hemeroplanis 8467  
*scortealis* Lederer, Pococera 5596  
*scotalis* Lederer, Microthyris 5264  
*scribonia* Stoll, Hypercompe 8146  
*scriptipennis* Walker, Idia 8322  
*scudderiana* Clemens, Epiblema 3186  
*scutellaris* Grote, Bomolocha 8444  
*sebastianella* Kimball, Caloptilia 636  
*sebastianiella* Busck, Caloptilia 636  
*sebhana* Austant, Spodoptera 9665  
*secta* Grote, Hyperstrotia 9040  
*sectalis* Guenée, Microthyris 5264  
*sectilana* Strand, Morrisonia 10511  
*sectilis* Guenée, Morrisonia 10511 (f.)  
*sectomaculata* Morrison, Macaria 6326  
*secura* Hodges, Nepotula 1621  
*securifera* Maassen, Callosamia 7766  
*sedata* Butler, Phthorimaea 2011  
*seeboldi*.— auct., Mariana 6119.1  
*segrega* Heinrich, Rupela 5310  
*sejuncta* Heinrich, Rupela 5312  
*selecta* Walker, Catocala 8834 (f.)  
*selectalis* Walker, Leucochroma 5210  
*selenis* Kirby, Phyciodes 4481  
*sella* Chambers, Deltophora 1928  
*semialba* Ehrmann, Papilio 4159a (ab.)  
*semialba* Schüssler, Dryocampa 7715  
*semiaperta* Morrison, Tricholita 10627  
*semichalcea* Walker, Lithacodia 9046  
*semiclusaria* Walker, Nepytia 6908  
*semicrocea* Guenée, Exyra 8905.3  
*semidecora* Walker, Eumacrodus 7086  
*semidiaphana* Harris, Cisseps 8267  
*semifascia* Walker, Monoleuca 4691  
*semiferana* Walker, Archips 3653  
*semiflava* Guenée, Tarachia 9085  
*semifuneralis* Walker, Euzophora 5995  
*semifurca* Walker, Condica 9696.1  
*semilineata* Walker, Ledaea 8491  
*seminealis* Walker, Parapoynx 4763  
*seminivella* Walker, Parapoynx 4759  
*seminolana* Kearfott, Choristoneura 3631  
*seminole* Beutenmüller, Synanthedon 2566  
*seminole* Neumoen, Vitacea 2530  
*seminole* Scudder, Hesperia 4029  
*seminole* Skinner, Anthanassa 4476a  
*seminolella* Beutenmüller, Praecedes 423  
*seminolensis* Heppner, Diploschizia 2345.3  
*seminudata* Walker, Lambdina 6894a  
*semiobscura* Thierry-Mieg, Lymantria 8318  
*semiobscurella* Hulst, Nephopterix 5789  
*semiovana* Zeller, Ancylis 3361  
*semiplaga* Walker, Heterocampa 7995  
*semipurpurana* Kearfott, Croesia 3503  
*semipurpurea* Walker, Phytometra 8481 (f.)  
*semiradiellus* auct., Carectocultus 5307  
*semirufa* Haworth, Ephestia 6021  
*semirufescens* Walker, Oligocentria 8012  
*semistrigata* Forbes, Lorita 3781  
*semitaria* Franclemont, Metaxaglaea 9945  
*semitropicae* Barnes & Benjamin, Tricholita 10627a  
*semiundaria* Packard, Lambdina 6894a  
*semiustana* Walsingham, Platynota 3741  
*senatoria*.— Kimball, Anisota 7718  
*senatoria*.— Kimball, Anisota 7720  
*senescens* Möschler, Leucania 10454.2  
*sennae* Linnaeus, Phoebe 4228  
*sensilis* Grote, Chytonix 9557  
*senta* Clemens, Platynota 3740  
*sentalis* Kaye, Amolita 9820  
*separatana* Kearfott, Hedya 2860  
*separationis* Heinrich, Epiblema 3177  
*sepia* W. E. Miller, Pseudexentera 3251.1  
*septa* Munroe, Lipocosma 4885  
*septemfluaris* Grote, Trigrammia 6360  
*septemlinearia* Grote, Trigrammia 6360  
*septentrionalis* auct., Gluphisia 7931  
*septentrionalis* W. Davis, Neonympha 4576  
*septentrionalis* Walker, Schinia 11110  
*septentrionella* Busck, Glyphidocera 1142  
*septentrionella* Dyar, Acrobasis 5672  
*septentrionis* Walker, Gluphisia 7931  
*sepulchralis* auct., Citheronia 7708  
*sepulchralis* Boisduval, Pseudothyris 6077  
*sepulchralis* Grote & Robinson, Citheronia 7708  
*sequax* Franclemont, Pseudaletia 10438.1  
*sequoyah* H. A. Freeman, Pompeius 4048  
*serena* Schaus, Horama 8287  
*serenalis* Walker, Sathria 5270  
*seriatana* Zeller, Aethes 3850  
*sericadactylus* Murtfeldt, Leiopitilus 6207  
*sericarium* Scott, Ephestia 6021  
*sericarium*.— auct., Ephestia 6020  
*sericea* Morrison, Chaetoglaea 9950  
*sericeara* Packard, Euacidalia 7087  
*sericeata* auct., Euacidalia 7087  
*serinalis* Walker, Epipagis 5147  
*serpentella* Kearfott, Pronapteryx 5336  
*serpentifera*.— Eudocima 8543  
*serrallinealis* Barnes & Benjamin, Munroessa 4751  
*serrata* Barnes & McDunnough, Anomis 8546a  
*serrata* Chermock, Colias 4209 (f.)  
*serrata* Drury, Euchaena 6724  
*serratiformis* Freyer, Paranthrene 2524  
*serrativittella* McDunnough, Dichomeris 2301  
*serrativittella* Zeller, Dichomeris 2301  
*serriradiellus* Walker, Carectocultus 5307  
*serrulata* Packard, Cyclophora 7140  
*sertorialis* Herrich-Schäffer, Desmia 5164  
*servi* Hodges, Chionodes 2115.2  
*servulella* Clemens, Hybroma 300  
*sesquialteralis* Zeller, Microtheoris 4796  
*sesquilinea* Grote, Patulene 6974  
*sesquistrialis* Hübner, Glaphyria 4870  
*sesquistriaris* Hübner, Argyrostromis 8764  
*set* Barnes & Benjamin, Acronicta 9264 (f.)  
*setosella* Clemens, Dichomeris 2302  
*sexfasciata* H. Edwards, Carmenta 2596  
*sexguttata* Harris, Harrisimemna 9286  
*sexmaculata* Grote, Nola 8992  
*sexnotella* Chambers, Stigmatophora 1508  
*sexplagiata*.— auct., Zale 8690  
*sexta* Linnaeus, Manduca 7775  
*shirleyae* Munroe, Pyrausta 5038  
*shurtleffi* Packard, Heterogenea 4657  
*shurtleffi* Dyar, Heterogenea 4657  
*sibillalis* Walker, Glyphodes 5198  
*sicalis* Walker, Lipocosma 4881  
*siccaria* Walker, Lambdina 6894a  
*sicheas* Cramer, Gonodonta 8537  
*sidara* Clench, Celastrina 4363  
*sideroxylella* Meyrick, Acrocercops 696  
*sideroxylonella* Busck, Acrocercops 696  
*sideroxyloniella* Kimball, Acrocercops 696  
*sigida* Mabilie, Pompeius 4048  
*sigillata* Walker, Epidromia 8585.3  
*sigmoidella* Dietz, Setomorpha 428  
*signaria* Walker, Ectropis 6597  
*signata* French, Sericaglaea 9941  
*signata* Walker, Dasylophia 7957  
*signata* Walker, Tricholita 10627  
*signatalis* Walker, Pyrausta 5034  
*signatana*.— Walsingham, Crocidosema 3274  
*signataria* Walker, Melanolophia 6621  
*signataria* Walker, Orthonama 7414  
*signifera* A. Blanchard, Macrorrhinia 5913  
*signifera* Walker, Spodoptera 9666  
*signiferana* Walker, Cobubatha 9012  
*significans* Walker, Trichoplusia 8887  
*significata* Walker, Schizura 8006  
*silacealis* Hübner, Ostrinia 4949  
*silicalis* Guenée, Pleuroptia 5243  
*simaethis* Drury, Chlorostymon 4273  
*simialis* Guenée, Omiodes 5211  
*similalis* Lederer, Pyrausta 5051  
*similalis*.— auct., Achyra 4975  
*similana* J. B. Smith, Acronicta 9205 (f.)  
*similella* Braun, Ectoedemia 45  
*similis* Guenée, Dysgonia 8725  
*similis* Hodges, Walsbia 1619  
*similis* W. H. Edwards, Catocala 8873  
*simmsi* Gunder, Vanessa 4434 (ab.)  
*simplaria* Morrison, Euagrotis 10907  
*simplex* Guenée, Anagrapha 8924 (f.)  
*simplex* Stretch, Grammia 8197 (f.)  
*simplex* Walker, Pagara 8243.1  
*simplicia* Grossbeck, Adaina 6155  
*simplicia* Morrison, Euagrotis 10907  
*simplicialis* Barnes & McDunnough, Penestola 5180  
*simplicima* Ottolengui, Anagrapha 8924  
*simplicissima* Bird, Parapamea 9463 (f.)  
*simplicula* Zeller, Metephestia 5993  
*simulans* Grote, Paranthrene 2527  
*simulata* Hodges, Dichomeris 2301.3  
*simulata* Hulst, Macaria 6332  
*simulatrix* Hodges, Ithome 1644  
*simulatus* Walsingham, Acrolophus 381  
*simulella* Barnes & McDunnough, Divitiaca 5910  
*sinepuncta* L. Miller & F. Brown, Cymaenes 3996  
*sinepunctis* Avinoff & Shoumatoff, Cymaenes 3996 (ab.)  
*sinescripta* Ferguson, Acronicta 9272.1  
*singularis* Barnes & McDunnough, Neodavisia 5536  
*singularis*.— Plötz, Copaeodes 4010  
*sinualis* Harvey, Melipotis 8610  
*sinulis* Riotte, Anisota 7723  
*sinuosa* Grote, Catocala 8851a  
*sinuosa* Rindge, Lytrosis 6721  
*sinuosalis* Amsel, Microphysetica 5121  
*siren* Strecker, Schinia 11115  
*siriusalis* Walker, Achyra 4975  
*sissona* W. G. Wright, Everes 4361  
*sisyphus* Burmeister, Aellopos 7847  
*sitellaria* Guenée, Synchrona 7061

- skinnerella* Dietz, Mea 306  
*skinneri* Gunder, Pyrgus 3966 (ab.)  
*slingerlandella* Kearfott, Stigmella 79  
*slossi* Solis, Pococera 5596  
*slossonae* H. Edwards, Inguromorpha 2659  
*slossonae* Skinner, Hesperia 4029a  
*slossonalis* Dyar, Nearygractis 4769  
*slossonata* McDunnough, Eupithecia 7451  
*slossonella* Hulst, Hypargyria 5711  
*slossoni* H. Edwards, Inguromorpha 2659  
*slossoni* Hulst, Pococera 5596  
*slossonia* Fernald, Tortyra 2653  
*slossoniae* Hulst, Philagraula 7654  
*slossoniae* Packard, Alarodia 4673  
*slotteni* Gatrell, Megathymus 4147  
*smerdis* Hewitson, Anthanassa 4476  
*smilaciella* Busck, Proleucoptera 474  
*smilacisella* Chambers, Marmara 718  
*smithi* Haimbach, Zale 8690  
*smithiana* Walsingham, Strepsicrates 2907  
*smithii* Butler, Acronicta 9240  
*smithii* Guenée, Dysgonia 8726  
*smithii* Möschler, Motya 8981  
*smythi* R. C. Williams, Epargyreus 3870 (ab.)  
*snelleni* Möschler, Aglaonice 8375.4  
*snoviaria* Packard, Mellila 6322 (f.)  
*snowiana* Grote, Catocala 8798  
*sobria* Walker, Caenurgina 8738  
*sobria* Walker, Misogada 7974  
*sobria* Walker, Scopula 7169 (f.)  
*sobriialis* Walker, Renia 8387  
*sobrinialis* Schaus, Diatraea 5478  
*socorroica* Vázquez, Strymon 4345  
*socors* Walker, Caenurgina 8733  
*sodalis* Walker, Pseudasopia 5526  
*solanalis* Barnes & McDunnough, Atomopteryx 5110  
*solanella* Boisduval, Phthorimaea 2011  
*solidaginiella* Braun, Bucculatrix 485  
*solidaginis* Frey & Boll, Cremastobombycia 723  
*solidana* T. N. Freeman, Sparganothis 3704  
*solita*—Kimball, Leucania 10457  
*solitaria* Braun, Elachista 1119  
*solitaria* Walker, Episemasia 6713  
*solitella* Zeller, Amyeloides 5724  
*solituda* H. Edwards, Euhagena 2534  
*somnulenta* Zeller, Bedellia 466  
*somnus* Lintner, Erynnis 3946b  
*sonorensis* Felder & Felder, Philotes 4365 (p. 62)  
*sorbi* Boisduval, Paonius 7825 (var.)  
*sordida* Grote, Catocala 8846  
*sordida* Grote, Eucrotopnemis 10694 (f.)  
*sordida* Grote, Spragueia 9132  
*sordida* J. B. Smith, Schinia 11112  
*sordida*—auct., Catocala 8847  
*sordidalis* Barnes & McDunnough, Leptosteges 5305  
*sordidalis* Barnes & McDunnough, Ocrasa 5531  
*sordidella* Zincken, Donacaula 5313  
*sordidula* Grote, Bomolocha 8448  
*sorghiella* Riley, Nola 8991  
*soror*—Stahl, 1883 not Cramer, Gonodonta 8542  
*sorrer* Smith, Euxoa 10731  
*sospeta* Drury, Xanthotype 6743  
*sosybius* Fabricius, Hermeuptychia 4574  
*spadaria* Guenée, Dryodes 8767  
*spadix* Cramer, Cissusa 8592  
*spaldingella* Dyar, Eurythmia 6031  
*sparsaria* Walker, Pimaphera 6442  
*sparsiciliella* Clemens, Inga 1034  
*spartiella* Rondani, Etiella 5744  
*spatiosaria* Walker, Ectropis 6597  
*specifica* Dyar, Clostera 7895  
*speciosa* Walker, Utetheisa 8106  
*speciosella* Hulst, Pococera 5600  
*speciosissima* Grote & Robinson, Papaipema 9482  
*spectanda* Strecker, Heliothis 11071  
*spectans* Walker, Acronicta 9241  
*spectrum* Klatt, Lymantria 8318  
*speculifera* Meyrick, Aroga 2187  
*speculifera* Sepp, Dysodia 6080  
*sperataria* Walker, Nacophora 6763  
*speratella* Busck, Glyphidocera 1142  
*sperryi* Bower, Dryocampa 7715  
*sphaeromacharia* Harvey, Erastria 6705  
*spiloleuca* Walker, Anticarsia 8574  
*spilomela* Walker, Micrathetis 9644  
*spilotus* Davis, Acrolophus 382.1  
*spinifera* Villers, Agrotis 10663  
*spinigera* Guenée, Acronicta 9235  
*spinosa* Guenée, Schinia 11104  
*spinula*—Esper, Agrotis 10663  
*spinuloides* Herrich-Schäffer, Adoneta 4685  
*spiraea* Heppner, Neomachlotica 2336.1  
*spiraeifolia* Heinrich, Endopiza 2718  
*spissicornis* Haworth, Coleophora 1387  
*splendens* Möschler, Concana 8562  
*splendidalis* Stoll, Leucochroma 5210  
*spodius* Rindge, Tornos 6486  
*spoliana* Clemens, Pseudexentera 3251  
*spoliata* Walker, Morrisonia 10511  
*spoliatella* Dietz, Hypatopa 1198  
*spoliatella* Dietz, Pigritia 1246  
*spraguei* Grote, Pygarcia 8254  
*spraguei* Grote, Schinia 11128  
*spreti* J. B. Smith, Euagrotis 10901  
*spretella* Denis & Schiffermüller, Niditinea 411  
*spretella* Dietz, Hypatopa 1214  
*spumosum* Grote, Plagiomimicus 9748  
*spurcata* Walker, Sunira 9957  
*sputator* Grote, Apamea 9367  
*sputatrix* Grote, Apamea 9367  
*squamealis* Grote, Pseudasopia 5526  
*squamigera* R. Felder & Rogenhofer, Almodes 6260  
*squamopalpiella* Neunzig, Salebriaria 5777.3  
*squamularis* Drury, Zale 8700  
*squamulella* Zeller, Haimbachia 5482  
*stabilis*—dos Passos, Papilio 4159a  
*stabilita* Walker, Episemasia 6713  
*stabilitata* Kimball, Episemasia 6713  
*stainkeae* Field, Zerene 4224 (f.)  
*staintonella* Chambers, Bucculatrix 513  
*staintoniella* Clemens, Bedellia 466  
*stalii* Wallengren, Eublemma 9078  
*statalis* Grote, Arta 5566  
*statira* Cramer, Aphrissa 4233  
*stecia* Hodges, Decantha 1043  
*stelene* Linnaeus, Siproeta 4446  
*stellata* Guenée, Disclisioprocta 7417  
*stellata* Walker, Derrima 11055  
*stellella* Busck, Mompha 1455  
*stellidaria* Guenée, Almodes 6260  
*steneles* Blanchard, Siproeta 4446  
*stenialis* Guenée, Apogeshna 5177  
*stenocelis* Dyar, Papaipema 9481  
*stenoscelis* auct., Papaipema 9481  
*stercoralis* Lederer, Sathria 5270  
*stercoralis*—auct., Penestola 5179  
*stercorea* Zeller, Ancylostomia 5741  
*shenele* Hübner, Siproeta 4446  
*sheno* Geyer, Erinnyis 7837  
*stictella* Hampson, Astroleptodes 6004.1  
*stictella* Hampson, Goya 6073  
*stictica* Blanchard, Peridroma 10915  
*stictigramma* Hampson, Phaedropsis 5247  
*stigma* Fabricius, Anisota 7716  
*stigma* J. B. Smith, Psaphida 10016 (f.)  
*stigmatella* Fabricius, Caloptilia 639  
*stigmatophora* Walsingham, Pyroderces 1512  
*stigmatula* Snellen, Amyna 9070  
*stigmella* Dyar, Acrobasis 5669  
*stigmatosalis* Warren, Omiodes 5214  
*stimulea* Clemens, Acharia 4700  
*stimylea* Anon., Acharia 4700  
*stipatalis* Walker, Glyphyria 4869  
*stolida* Walker, Melipotis 8598  
*stolidalis* Schaus, Achyra 4974  
*stoneri* Lindsey, Horama 8287  
*stramineus* Walsingham, Leiopitilus 6205  
*stramineella* Chambers, Dichomeris 2283  
*straton* W. H. Edwards, Hesperia 4030a  
*stratton* Bell, Hesperia 4030a  
*stratyllis* Burmeister, Panoquina 4119  
*streckeri* Holland, Papilio 4159a (ab.)  
*streckeri* Skinner, Choranthus 4066 (p. 62)  
*strena* Grote, Callopietria 9630  
*strenuana* Walker, Epiblema 3172  
*stretchii* Butler, Utetheisa 8105  
*stretchii* Grote, Grammia 8196a (f.)  
*striaepuncta* Herrich-Schäffer, Eulepidotis 8572.1  
*striata* Hodges, Eralea 1501  
*striata* Ottolengui, Cisthene 8068  
*striatalis* Dyar, Undulambia 4740  
*striatella* Murtfeldt, Symmetrischema 2039  
*stricta* Walker, Amyna 9070  
*strictalis* Walker, Blepharomastix 5182  
*striella* Dyar, Zamagaria 5739  
*strigalis* Dyar, Eudonia 4738  
*strigata* Boisduval, Euclea 4697  
*strigata* J. B. Smith, Gabara 8523  
*strigataria* Minot, Phigalia 6660  
*strigifera* Walker, Magusa 9637  
*strigifera* Walker, Spodoptera 9672  
*strigifinitella* Clemens, Neurobathra 663  
*strigilis* Linnaeus, Protambulyx 7818  
*strigilis* Vogel, Eumorpha 7865  
*strigimacula* Guenée, Zale 8686  
*strigosa* Cockerell, Ethmia 996  
*strigosa*—auct., Calidota 8224  
*strigosella* Walker, Ethmia 996  
*strigosum* Harris, Satyrium 4285b  
*strigularia* Walker, Macaria 6362  
*strigularia* J. B. Smith, Cutina 8728  
*stringosa* Stretch, Grammia 8199  
*striolaris* Herrich-Schäffer, Melipotis 8605  
*strix* Hübner, Thysania 8648  
*strombleri* Okumura & Bauer, Helicoverpa 11068  
*stultana* Walsingham, Platynota 3736  
*stygia* Franclemont, Anavitrinella 6590  
*stygalis* Grote, Melipotis 8598  
*stygia* Schaus, Siproeta 4446a (ab.)  
*stygiaria* Walker, Pero 6753  
*stygma* Boisduval, Anisota 7716  
*stylobata* Harvey, Metria 8666  
*stypticellum*—Kimball, Homoeosoma 5944.2  
*styracis* Guenée, Psaphida 10016  
*suasa* Boisduval, Ascia 4198  
*suavata* Hulst, Acratodes 7148  
*subaequalis* Walker, Microthyris 5263  
*subaequaria* Walker, Petrophora 6804  
*subalhella* Meyrick, Helcystogramma 2265  
*subalbicans* Grote, Lochmaeus 7998  
*subalbusella* Chambers, Helcystogramma 2265  
*subampliata* Dufrane, Papilio 4159a (f.)  
*subapicana* Walker, Spragueia 9132  
*subapicula* Dyar, Rhodoneura 6084  
*subaquila* Harvey, Micrathetis 9644 (f.)  
*subatomaria* Wood, Hypagyrtis 6654 (f.)  
*subaurata* Walker, Conidia 9693  
*subauratana* Walker, Sparganothis 3720  
*subaurea* Druce, Conidia 9693  
*subaustralis* Hulst, Almodes 6260  
*subaustralis* Hulst, Epimecis 6600  
*subbrunnea* Schneider, Lymantria 8318  
*subcanalis* Walker, Pococera 5602  
*subcarnea* Kellcott, Archana 9449  
*subcelata* Walker, Numia 6699  
*subcervinella* Walker, Opogona 432.1  
*subcinctaria* Walker, Digrammia 6357  
*subcinerascens* Walker, Antiblemma 8577  
*subcinnamomea* Strand, Eublemma 9077  
*subcitrina* Walker, Megalopyge 4647  
*subcroceata* Walker, Hethemia 7084  
*subdentosa* Dyar, Monoleuca 4693  
*subdivisalis* Grote, Desmia 5161  
*subducta* Walker, Anticarsia 8574  
*subflexa* Guenée, Heliothis 11070  
*subfulvalis* Herrich-Schäffer, Achyra 4975  
*subfuscella* Ragonot, Nephopterix 5789  
*subgothica* Haworth, Feltia 10674  
*subgothica*—auct., Feltia 10670  
*subidialis* Guenée, Hypena 8461.1  
*subjecta* Walker, Cisthene 8071  
*subjectalis* Lederer, Palpita 5223  
*sublata* Guenée, Lobocleta 7094  
*sublunaria* Guenée, Cleora 6594  
*subluta* Warren, Pleuroptia 5243  
*submarginalis* Schultz, Lymantria 8318  
*submarginalis* Walker, Pyrausta 5055  
*submedialis* Grote, Mecyna 5135  
*submediana* Strand, Characoma 8974  
*submediana* Strand, Chytonix 9557 (f.)  
*submediana* Strand, Zale 8702  
*submissa* Busck, Ethmia 994.2  
*submucosa* Herrich-Schäffer, Agrotis 10661  
*submuraria* Walker, Aethalura 6570  
*submutata* Walker, Cydosia 9000  
*subnivosa* Walker, Gabara 8522  
*subochraceus*—auct., Leiopitilus 6213  
*subochrea* Grote, Acronicta 9253



*subochrearia* Grote, Caripeta 6869  
*subochrearia* Hulst, Eusarca 6941  
*subochreata* Hulst, Ideia 7112  
**subolivacea** Walsingham, Platphalonidia 3853.1  
**subosseella** Hulst, Lipographis 5889.1  
*subpartita* Guenée, Galgula 9688  
**subporphyrea** Walker, Hemipachnobia 10993  
*subpuncta* Franclemont, Leucania 10454.1  
*subpunctaria* Walker, Macaria 6335  
*subpunctata* Harvey, Leucania 10454.1  
**subreticulata** Walsingham, Argysthia 2479  
*subreticulella* Kimball, Argysthia 2479  
**subrotata** Harvey, Heterocampa 7985  
*subruberella* Chambers, Anacamptis 2236  
**subrufa** Warren, Mursa 8477.2  
*subrufalis* Grote, Plathypena 8465  
**subrufella** Hulst, Atheloca 5734  
*subsenella* Zeller, Hypatopa 1208 (var.)  
**subsequalis** Guenée, Pyrausta 5060  
**subsignaria** Hübner, Ennomos 6798  
*subsignata* Walker, Anticarsia 8574  
**subsimilis** Walsingham, Ethmia 994.3  
*subsiniaria* Guenée, Proboscidea 6837  
**subsolana** W. E. Miller, Larisa 3423  
*subspinosa* Hardwick, Schinia 11104  
*subterminalis* Strand, Apantesis 8170  
**subterranea** Fabricius, Agrotis 10664  
*subtilis* Hübner, Atteva 2401  
*subtilis* Walker, Melipotis 8603  
*subtilis* Walker, Mocis 8743  
**subtropica** W. E. Miller, Rhyacionia 2869  
*subtusjuncta* Tutt, Celastrina 4363 (ab.)  
**subulalis** Guenée, Sisyraea 5194  
*subusta* Hübner, Bagisara 9168  
*subusta*—auct., Elaphria 9684  
*subvectaria* Walker, Numia 6699  
*subversana* Zeller, Epiblema 3172  
*subviridis* Harvey, Catocala 8787 (f.)  
*successaria* Walker, Haematopis 7146  
*succosata* Zeller, Macaria 6352  
*sudena* J. B. Smith, Charadra 9189  
**sueroidea** Guenée, Selenisa 8658  
*suffusa* Beutenmüller, Catocala 8878 (f.)  
*suffusa* Cockerell, Colias 4209 (ab.)  
*suffusa* Dean, Fenisea 4249 (ab.)  
*suffusa* Denis & Schiffermüller, Agrotis 10663  
*suffusa* Hill, Plusiodonta 8534  
*suffusa* Schulze, Lymantria 8318  
*suffusa* Streckler, Hyphantria 8140  
*suffusa* Walker, Azeta 8575  
*suffusalis* Hampson, Crocidocnemis 5153  
**suffusata** Engelhardt, Carmenta 2612  
*suffusella* Chambers, Dichomeris 2283  
*sulfurea* Grote, Monoleuca 4691  
**sulfureana** Clemens, Sparganothis 3695  
**sulphurea** Frey & Boll, Tischeria 142  
*sulphureana* Barnes & Busck, Sparganothis 3695  
*sumptuosalis* Walker, Pyrausta 5071  
**sunia** Guenée, Neogalea 10032  
*sunia*—auct., Spodoptera 9673  
*superaria* Guenée, Eusarca 6941  
*superata* Walker, Hethemia 7084  
**superatalis** Clemens, Macalla 5577  
*superba* Gozmány, Cosmopterix 1474  
*superba* H. Edwards, Heterocampa 7985  
*superbalis* Walker, Portentomorpha 5078  
**superbifrontella** Clemens, Caloptilia 641  
*supplex* Swinhoe, Amyna 9070  
*suppressaria* Walker, Scopula 7169  
*suprema* Neumoegen, Sphingicampa 7709 (var.)  
*surinamensis* Möschler, Melipotis 8603  
*surrectalis* Walker, Idia 8334  
*suspcialis* Walker, Marasmia 5288  
**sutor** Guenée, Condicta 9699  
**sweadneri** F. Chermock, Callophrys 4318b  
*syleptalis* Strand, Condylorrhiza 5215  
*sylosona* Mabille, Thorybes 3909  
*sylpharis* Butler, Glyphodes 5197  
**sylphe** Hodges, Dichomeris 2283.2  
*sylvaecolella* Chambers, Fascista 2203  
*sylvanoides* Boisduval, Atalopedes 4049 (f.)  
**sylvarum** Guenée, Argystrotis 8760  
*sylvatica* Harris, Malacosoma 7698  
*sylvaticoides* Neumoegen & Dyar, Malacosoma 7698  
**sylvicola** Herrich-Schäffer, Panoquina 4121 (p. 62)  
*synneurota* Meyrick, Crocidosema 3274

**synochitis** Grote & Robinson, Maliattha 9055.1  
*synophrys* Meyrick, Sphenarches 6090.1  
*syrichtus* Fabricius, Pyrgus 3968  
**syringae** Harris, Podoseia 2589  
*syringicola* Packard, Phlyctaenia 4953a  
*syzygiaria* Hulst, Patalene 6974  
*tabacella* Ragonot, Phthorimaea 2011  
**tabaniformis** Rottemburg, Paranthrene 2524  
*tabulana* T. N. Freeman, Argyrotaenia 3603  
*tabulara* Grote, Egira 10517  
**tacna** Barnes, Ogdodonta 9724  
**tacturata** Walker, Ideia 7122  
*tactus* Grote, Metalectra 8500  
**taedana** W. E. Miller, Retinia 2890  
*taedialis* Walker, Diacme 5142  
**taedivorella** Neunzig & Leidy, Dioryctria 5852.2  
**taeniolalis** Guenée, Hyalorista 5077  
**tages** Cramer, Desmia 5164  
*tagesalis* Guenée, Desmia 5164  
*takenaria* Pearsall, Anacamptodes 6583  
*takesakiana* Kato, Vanessa 4435  
*taleolalis* Hulst, Pococera 5602  
**talis** Grote, Colomychus 5200  
*talleolalis*—auct., Pococera 5602  
*tanena* Streckler, Schinia 11118  
**tantalus** Linnaeus, Aellopos 7847  
**tantilla** Heinrich, Satronia 3415  
**tantillus** Grote, Metalectra 8502  
*tapayusa* Moore, Cocytius 7772  
**tapeta** J. B. Smith, Properigea 9592  
**taprobanes** Felder & Rogenhofer, Mariana 6119.1  
*taprobanes*—auct., Lioptilodes 6120  
**taracana** Kearfott, Sparganothis 3702  
**tarachodes** Dyar, Basacallis 5540  
*tarasca* Schaus, Spragueia 9132  
**tarda** Guenée, Anorthodes 9650  
*tardigrada* Clemens, Euclea 4697  
**tarquinius** Fabricius, Fenisea 4249  
*tartarella* Dietz, Hypatopa 1208  
*tartarellus* Zeller, Elasmopalpis 5896  
**tatila** Herrich-Schäffer, Eunicea 4533  
**tatillista** Kaye, Eunicea 4533a  
*taumas* Fabricius, Polites 4041  
**tautana** Clemens, Sereda 3425  
*tawneata* Cassino, Scopula 7151  
*technidion* Zeller, Lantanophaga 6119  
*tecomae* Riley, Clydonopteron 5563  
*tecta* Grote, Amyna 9070  
*tecta* Walker, Orthodes 10587  
*tedyscongialis* Clemens, Parapoynx 4763  
*regularis* Draudt, Euxoa 10731  
*regularis* Strand, Euxoa 10731 (ab.)  
*tela* Strand, Catocala 8847  
*telamonides* C. Felder & R. Felder, Eurytides 4184  
**telea** Hewitson, Chlorostymon 4272 (p. 62)  
*telemacha* Meyrick, Gerdana 1144  
*telifer* Grote, Schizura 8005 (f.)  
*telifera* Harris, Agrotis 10663  
*temnaria* Guenée, Lobocleta 7094  
*temperata* Walker, Gonodonta 8542  
*tempestiva* Meyrick, Sparganothis 3718  
*tenebrella* Dietz, Pignitia 1246  
**tenebrosa** Dyar, Slossonella 4655  
*tenebrosa* R. Felder, Perigonia 7846  
**tenebrosella** Hulst, Salebriaria 5775  
*tenera* Hübner, Cynia 8230  
**tenera** Hübner, Cynia 8230  
*tensaria* Walker, Exelis 6478  
*tentaculum* Guenée, Rachiplusia 8895  
*tenuella* Barnes & McDunnough, Hypargyria 5711  
*tenuescens* J. B. Smith, Tarachidia 9088  
**tenuifascia** Harvey, Cisthene 8066  
**tenuijuxta** Davis, Acalyptris 115  
*tenuipunctella* Ragonot, Homoeosoma 5935  
*tenuis* Butler, Ocrasa 5531  
*tenuis* Grote, Hemaris 7855  
**tenuis** Grote, Isogona 8493  
*tenuis* Walsingham, Acrolophus 374  
*tenuistrigata* Frey & Boll, Phyllonorycter 789  
**tephra** Hübner, Dasychira 8292  
*tephradactyla*—auct., Emmelina 6234  
*tephrosiella* Dyar, Ulophora 5900  
**tepperaria** Hulst, Chloropteryx 7075  
*tepperi* H. Edwards, Synanthedon 2554  
**teratophora** Herrich-Schäffer, Anterastria 9055.3  
**terebintharia** Guenée, Numia 6699

*terebintheria* Kimball, Numia 6699  
*terebintharia* Möschler, Numia 6699  
*terentius* Scudder & Burgess, Erynnis 3956  
*teretimacula* Guenée, Gonodonta 8542  
*terissa* Lucas, Kricogonia 4235  
*terlizzii*—auct., Mariana 6119.1  
*terminalis* Heumoegen & Dyar, Uteutheisa 8106  
**terminalis** Walker, Rhodoneura 6084  
*terminellus* Zeller, Microcrambus 5420  
*terminimacula* Kimball, Acontia 9145  
**terminimaculata** Grote, Acontia 9145  
*temariella* Zeller, Fascista 2203  
*terpunctata* Goetze, Aellopos 7847  
**terraccottella** Busck, Gnorimoschema 2005  
**terraria** Guenée, Almodes 6260  
*terrella* Walker, Phthorimaea 2011  
*terrella* Zeller, Parapediasia 5451  
*terricolalis* Möschler, Herpetogramma 5272  
*terrifica* Barnes & McDunnough, Schinia 11173  
*terrosa* Guenée, Zale 8687  
**tersa** Linnaeus, Xylophanes 7887  
**tertialis** Guenée, Phlyctaenia 4953a  
*tesella* Packard, Macrurucampa 7975  
*tesselaroides* Strand, Halysidota 8203  
**tessellaris** J. E. Smith, Halysidota 8203  
*tessellaris*—Harris, Halysidota 8204  
*tessellata* Guérin-Méneville, Halysidota 8203  
**tessellata** Harris, Euxoa 10805  
*tessellata* Scudder, Pyrgus 3966  
*tesselloides* Grote, Euxoa 10805  
**testa** Barnes & McDunnough, Proroblemma 9080  
**testacea** Packard, Tortricidia 4652  
**testaceus** Ragonot, Epimorpha 5634.1  
**testor** Hodges, Batrachedra 1405  
*testulalis* Geyer, Maruca 5157.1  
*testulana* Zeller, Sparganothis 3722  
*teterella* Zincken, Parapediasia 5451  
**tethys** Forbes, Danaus 4616a  
*tetradactylus* Walsh, Phobetrone 4677  
**tetragna** Walker, Acontia 9143  
*tetraspilaris* Walker, Apoda 4669  
**tetrio** Linnaeus, Pseudosphinx 7830  
*texana* B. P. Clark, Darapsa 7885  
*texana* Barnes & Benjamin, Automeris 7746  
*texana* French, Pagara 8243.1  
*texana* Grote, Horama 8287a  
*texana* H. Edwards, Carmenta 2614  
*texana* Hulst, Nemoria 7033  
*texana* Lajonquiere, Phyllodesma 7686  
*texana* Morrison, Leucania 10439  
*texana* Morrison, Mocis 8745  
*texana* Riley, Anomis 8550  
*texana* Stretch, Harrisina 4624  
*texana* W. H. Edwards, Anthanassa 4476  
*texana* W. H. Edwards, Cercyonis 4587  
*texana*—Barnes & McDunnough, Leucania 10450  
*texanae* Bell, Amblyscirtes 4097 (p. 62)  
*texanana* Walsingham, Ethelgoda 3424  
**texanaria** Hulst, Glenoides 6443  
*texanella* Chambers, Acrolophus 383  
*texanella* Hulst, Anadelosemia 5728  
*texanellum* Ragonot, Homoeosoma 5935  
*texanus* Ehrmann, Papilio 4181  
*texanus* Robinson, Euchromius 5454  
**texarkana** Brower, Catocala 8859  
*textor* Harris, Hyphantria 8140  
*textor* Hübner, Amblyscirtes 4099  
*textrinaria* Grote & Robinson, Besma 6885  
**textula** Herrich-Schäffer, Isa 4681  
*texula* Packard, Isa 4681  
*thalialis* Walker, Mimoschinia 4826  
*thaliastis* Meyrick, Ecdytolopa 3498  
**tharos** Drury, Phyciodes 4481  
*tharos*—W. G. Wright, Phyciodes 4480  
*tharossa* Godart, Phyciodes 4481  
*thasusaria* Walker, Eusarca 6933  
*thauamas* Fabricius, Polites 4041  
*thecophora* Walsingham, Praeacides 423  
**themistodes** Latreille, Polites 4041  
*theobromae* Dyar, Corcyra 5634  
**theonus** Lucas, Leptotes 4356a  
**theralis** Walker, Zanclognatha 8341  
*theralis*—auct., Zanclognatha 8343  
*thermisioides* Walker, Ephyrades 8582  
**theroalis** Walker, Aristaria 8390  
*thesealis* Lederer, Herpetogramma 5279



- thesealis*.—Zeller, Herpetogramma 5275  
*theseusalis* Walker, Herpetogramma 5279  
*thestialis* Walker, Herpetogramma 5277  
*theastialis* Forbes, Herpetogramma 5277  
*thesis* Boisduval, Hemaris 7855  
*thesis* Godart, Marpesia 4550  
*thetys* Fabricius, Marpesia 4550  
*thoas* Linnaeus, Papilio 4169 (p. 62)  
*thomasi* Clench, Cyclargus 4358  
*thoracicoideus* Neumoegen & Dyar, Malacosoma 7698  
*thorates* Hübner, Xylophanes 7887  
*thoreau* Grote & Robinson, Schinia 11141  
*thornei* Gunder, Phyciodes 4480 (ab.)  
*thralis* Walker, Renia 8381  
*thrysalis* Kimball, Macalla 5575  
*thurberiella* Busck, Bucculatrix 582  
*thyatiroides* Walker, Dasylophia 7958  
*thycesalis* Walker, Helvibotys 4980  
*thyrsalis* Walker, Macalla 5575  
*thysbe* Fabricius, Hemaris 7853  
*tibialis* Butler, Horama 8287  
*ticta* Warren, Scopula 7153 (ab.)  
*tigrdula* Herrich-Schäffer, Spragueia 9124  
*tigris* Guenée, Diastema 9067  
*tildeni* Field, Limenitis 4522a (f.)  
*tiliastri* Boisduval, Paonius 7825  
*tilosalis* J. B. Smith, Renia 8379  
*timais* Cramer, Xanthopastis 10640  
*timandra* H. Edwards, Catocala 8876 (f.)  
*timandrata* Walker, Scopula 7160  
*timidella* Clemens, Catastega 3333  
*timucuae* Rindge, Melanolophia 6621a  
*tinctana* Walker, Platynota 3732  
*tinctella* Walker, Rupela 5311  
*tinctoides* Guenée, Mournalia 8884  
*tinctoriella* Chambers, Tischeria 144  
*tinealis* Munroe, Synchlita 4754  
*tineoides* Dammerman, Setomorpha 428  
*tipulalis* Walker, Erceta 5111  
*titan* Cramer, Aellopos 7849  
*titea* Cramer, Phigalia 6658  
*titearia* Hübner, Phigalia 6658  
*titus* Fabricius, Satyrium 4275  
*tityrus* Fabricius, Epargyreus 3870  
*tivaria* Walker, Euchlaena 6731  
*togalis* Lederer, Diacme 5145  
*tonitru* J. B. Smith, Acronicta 9205  
*toreuta* Grote, Bomolocha 8443  
*toreuta* Grote, Cydia 3486  
*tornocosma* Turner, Crocidosema 3274.1  
*torones* Hübner, Urbanus 3889  
*torquillalis* Möschler, Erceta 5111  
*torquittalis* Hampson, Erceta 5111  
*torrefacta* J. E. Smith, Apatelodes 7663  
*torrida* Walker, Antiblemma 8577  
*torricella* Chambers, Antaeotricha 1013  
*tortricularformella* Clemens, Menesta 1030  
*tortuosa* Walker, Anomis 8551  
*toxa* Godart, Eumaeus 4269 (p. 62)  
*traceyi* Dyar, Basicladus 450  
*tracta* Grote, Elaphria 9679  
*tractaria* Walker, Memoria 7048  
*tracyi* Jones, Basicladus 450  
*traducalis*.—auct., Synclera 5196  
*transducens* Walker, Eutrapela 6966  
*transferens* Walker, Eutrapela 6966  
*transferranus* Walker, Epismus 2701.2  
*transfigurata* Swett, Hydriomena 7237  
*transfindens* Walker, Prochoerodes 6982  
*transfigens* Walker, Eutrapela 6966  
*transfixaria* Walker, Cleora 6594  
*transitaria* Walker, Macaria 6339  
*transitella* Walker, Amyeloides 5724  
*transiturana* Walker, Choristoneura 3631  
*translineella* Hampson, Corcyra 5634  
*translucida* Walker, Ufa 5895  
*transmutans* Walker, Prochoerodes 6982a  
*transmutata* Walker, Spragueia 9122  
*transponens* Walker, Oxydia 6967a  
*transposita* Walker, Prochoerodes 6982  
*transversata* Drury, Prochoerodes 6982  
*transversata* J. B. Smith, Acronicta 9205 (f.)  
*transversata* Walker, Ellida 7930  
*transversestrigella* Dietz, Setomorpha 428  
*transvertens* Walker, Prochoerodes 6982a  
*trapezalis* Guenée, Marasmia 5288  
*travestita* Gozmány, Erechthias 303  
*tremula* Harvey, Chaetagnaea 9949  
*tremularia* Walker, Leptostales 7173  
*trentonalis* Lederer, Dolichomia 5533  
*trialbamaculella* Chambers, Aroga 2198  
*triangulalis* Möschler, Lineodes 5109  
*triangularis* Beccari & Gerini, Lineodes 5109  
*triangularis* Möschler, Hypena 8461.1  
*triangulifer* Grote, Cirrhophanus 9766  
*trias* Warren, Scopula 7153  
*trichella* Busck, Duospina 1420  
*trichoma* Herrich-Schäffer, Speocropia 9625  
*trichostrota* Meyrick, Spragueia 9131  
*trichroma* Kimball, Speocropia 9625  
*tricincta* Harris, Paranthrene 2524  
*trientiplaga* Walker, Elaphria 9677  
*trifariana* Walker, Spragueia 9122  
*trifascia* Hübner, Schinia 11149  
*trifasciella* Chambers, Filatima 2129  
*triferana* Walker, Argyrotaenia 3597  
*trifolii* Hufnagel, Discesta 10223  
*trifurcella* Chambers, Ethmia 1003  
*trigon* Gehlen, Eumorpha 7861  
*trigonometra* Meyrick, Liotilodes 6120  
*trigutta* Esper, Anania 4958  
*triguttaria* Herrich-Schäffer, Heterophleps 7647  
*trilinea* Walker, Bagisara 9168  
*trilinearia* Packard, Besma 6885  
*trilinearis* Hampson, Milgitha 5587.1  
*trilineata* Packard, Gluphisia 7931  
*trimaculata* J. B. Smith, Euerythra 8142  
*trimaculella* Chambers, Ecritiothrix 422  
*trimaculella* Fitch, Eido 1068  
*trinotata* Walker, Nola 8992  
*trinotella* Busck, Dichomeris 2305  
*trinotella* Coquillett, Dichomeris 2287  
*tripars* Walker, Eucrotopocnemis 106954  
*tripartita* Walker, Dasylophia 7958  
*tripartitana* Zeller, Epiblema 3184  
*tripartitus* Grote, Smerinthus 7821 (var.)  
*triplex* Walker, Micrathetis 9644  
*triplicipunctata* Fitch, Hypagyrtis 6654  
*tripsacas* Dyar, Vaxi 5467  
*tripsacicola* Dyar, Diatraea 5476  
*tripunctata* Fabricius, Lygopora 5248  
*tripunctella* Robinson, Donacula 5315  
*tripunctis* L. Miller & F. Brown, Cymaenes 3996  
*tripunctus* Herrich-Schäffer, Cymaenes 3996  
*triquetrana* Fitch, Nola 8992  
*trisecta* Walker, Pediasia 5413  
*triseriata* Prout, Cyclophora 7137  
*trisignana* Robinson, Acleris 3540a  
*trisignata* Walker, Harrisimemna 9286  
*tristella* Dietz, Pigritia 1232  
*tristigmalis* Hampson, Mimorista 5141  
*tristis* Closs, Xylophanes 7887 (f.)  
*tristis* Grote & Robinson, Pachylioides 7842  
*tristis* Hedemann, Rhectocraspeda 5157  
*tristis*.—Vázquez, Cryptothela 442  
*tristriata* Kearfott, Sparganothis 3699  
*tristrigana* Clemens, Grapholita 3443  
*tritealis* Walker, Condylorrhiza 5215 (f.)  
*tritona* Hübner, Acronicta 9211  
*trituberalis* Zeller, Ophiuche 8457  
*trivinctella* Zeller, Scythris 1678  
*troglydya* Fabricius, Anaea 4553  
*troglydya*.—Strecker, Anaea 4554  
*troilus* Linnaeus, Papilio 4181  
*troilus*.—Drury, Papilio 4159a  
*tropicalis* Guenée, Ophisma 8722  
*trouvelotii* Packard, Heterocampa 7983  
*truncatula* Zeller, Spragueia 9131a  
*tryonana* Kearfott, Eucosma 3009  
*trypheropa* Meyrick, Hellula 4847  
*tubercularis* Lederer, Crocidophora 4945  
*tuberculum* Hübner, Schinia 11116  
*tuckeri* W. P. Comstock & F. M. Brown, Heliconius 4418a  
*tuckerorum* W. P. Comstock & F. M. Brown, Heliconius 4418a  
*tuerckheimiella* Sorhagen, Ectomyeloides 5723  
*tukurine* Lichy, Agrius 7771 (ab.)  
*tumidicosta* Hampson, Motya 8981  
*tumidulella* Ragonot, Acrobasis 5686  
*tura* Druce, Phuphena 9634  
*turbata* Walker, Melipotis 8601  
*turbataria* Barnes & McDunnough, Lambdina 6888  
*turbatella* Grote, Zophodia 5968  
*turbatus* Walker, Heliocellus 11073  
*turbida* Walker, Lochmaeus 7999  
*turbida* Walker, Macrurocampa 7975  
*turbidella*.—auct., Crocidomera 5706  
*turbulenta* Hübner, Phosphila 9618  
*turnus* Linnaeus, Papilio 4176  
*turpidella* Ragonot, Salebriaria 5771  
*turpis* Guenée, Condica 9699  
*turtur* R. Felder & Rogenhofer, Massala 8586  
*tussia* Guenée, Pichodis 8754.1 (var.)  
*typica* Cockerell, Colias 4210  
*tyralis* Guenée, Pyrausta 5069  
*tyria* Slosson, Hyparpax 8026  
*tyrius* Heinrich, Epismus 2703  
*tytusalis* Walker, Salbia 5285  
*u-album* Guenée, Iodopepla 9522  
*u-notata* Strand, Trichoplusia 8887 (ab.)  
*ubacensis* Zeller, Unadilla 5948  
*ufeus* Cramer, Desmia 5162  
*uhlerii* Polacek, Hyalophora 7767  
*ulalume* Strecker, Catocala 8789  
*ulmella* Ragonot, Canarsia 5926  
*ulmi* Boisduval, Ceratomia 7786  
*ulmi* Harris, Acronicta 9236  
*ulmi* Harris, Lochmaeus 7999  
*ulmiarrosorella* Clemens, Canarsia 5926  
*ulricusalis* Walker, Bleptina 8375  
*ultronia* Hübner, Catocala 8857  
*umatillaria* Strecker, Glana 6450  
*umbella* Barnes & Benjamin, Catocala 8835 (f.)  
*umbilicata* Fabricius, Scopula 7156  
*umbonata* J. B. Smith, Gabara 8523a  
*umbra*.—auct., Pyrrhia 11063  
*unbralis* J. B. Smith, Bomolocha 8453  
*umbrata* Schaus, Anomis 8549  
*umbrata* Walker, Heterocampa 7990  
*umbrata* Walker, Lesmone 8655  
*umbratilis* Doguin, Ophiuche 8460  
*umbrifascia* Grote, Ledaea 8491  
*umbripennis* Grote, Zale 8695 (f.)  
*umbrosa* Brou, Catocala, 8801.1  
*umbrosa* Lintner, Polygonia 4420 (f.)  
*umbrosa* Worthington, Catocala 8801.1 (f.)  
*unbrosaria* Hübner, Hypomecis 6439  
*umbrosus* Grote, Helicoverpa 11068  
*una* Strecker, Oligia 9406 (f.)  
*uncas* W. H. Edwards, Hesperia 4018 (p. 62)  
*unceti* Zeller, Spodoptera 9665  
*uncina* Hübner, Gonodonta 8537  
*undalis*.—auct., Hellula 4846  
*undatifascia* Butler, Pachylia 7841  
*undifera* Walker, Prolimacodes 4671  
*undulalis* Stephens, Idia 8323  
*undulana* Denis & Schiffermüller, Orthotaenia 2770  
*undularis* Drury, Zale 8695  
*undulatella* Clemens, Hulstia 5918  
*undulifera* Butler, Amyna 9070  
*undulifera* Walker, Azeta 8575  
*undulifera* Walker, Homophoberia 9057  
*undulosa* Walker, Ceratomia 7787  
*unica* Heinrich, Epinotia 3274.3  
*unica* Neumoegen, Gonodonta 8541  
*unipunctella* Clemens, Dichomeris 2287  
*unicitrina* Gunder, Colias 4210 (ab.)  
*unicolor* Barnes & McDunnough, Leiopitilus 6226  
*unicolor* Barnes & McDunnough, Rupela 5311  
*unicolor* Godman & Salvin, Kricogonia 4235 (f.)  
*unicolor* Lambillion, Lymantria 8318  
*unicolor* Packard, Misogoda 7974  
*unicolor* Wnukowsky, Lymantria 8318  
*unicoloralis* Barnes & McDunnough, Cacotherapia 5638  
*unicolorella*.—auct., Ephestia 6021  
*unicornis* J. E. Smith, Schizura 8007  
*unicritina* L. Miller & F. M. Brown, Colias 4210  
*unifascia* Schultz, Lymantria 8318  
*uniformata* Dufrane, Ephestia 6021  
*uniformella* Hampson, Astralephesiodes 6004.1  
*uniformis* Dyar, Crambidia 8046  
*uniformis* Grote & Robinson, Hemaris 7853  
*uniformis* Morrison, Zale 8691 (f.)  
*uniformis* Strand, Abagrotis 11029 (ab.)  
*unilineata* Chermock & Chermock, Euparthenos 8719 (f.)

**unimacula** Grote & Robinson, Evergestis 4901  
*unimaculella* Chambers, Ithome 1638  
**unio** Hübner, Eudryas 9299  
**unipuncta** Dyar, Cacothea 5639  
**unipuncta** Haworth, Pseudaletia 10438  
**unipunctata** Haworth, Hypagyrtis 6654  
*unipunctata* Möschler, Bagisara 9168  
**unipunctella** Clemens, Antaeotricha 1013  
**unipunctella** Robinson Donacula 5314  
*unisignata* Walker, Elaphria 9676  
**unitaria** Herrich-Schäffer, Lytrosis 6720  
**univitella** Dyar, Anypsiopyla 5711.2  
*univocalis*.– auct., Synclera 5196  
*uma* Plötz, Polites 4045  
*unocula* Frery, Acontia 9136  
*unomaculella* auct., Ithome 1638  
**unomaculella** Chambers, Tinea 409  
*unxia* Hübner, Hyblaea 6088  
**uranides** Dyar, Xantippe 5570  
**uroceriformis** Walker, Sannina 2590  
*uroceripennis* Boisduval, Sannina 2590  
*ursa* Worthington, Wallengrenia 4047  
*ursula* Fabricius, Limenitis 4522a  
*urticana* Hübner, Orthotaenia 2770  
*usipennis* Walker, Schizura 8005  
*ustalis* Hampson, Streptopalia 5565  
*ustulatana* Blanchard & Knudson, Eucosma 3122  
*usuguronis* Matsumura, Homadaula 2400.1  
*uta* Clarke, Eucosma 3122  
**uterella** Walsingham, Pheroeoca 390  
**uvinnella** Ragonot, Nephopterix 5802  
*uxor* Guenée, Catocala 8801  
**uxorialis** Dyar, Donacula 5323  
*v-album* Walker, Iodopepla 9522  
*v-signatulus* Packard, Archips 3648  
**vacciniella** Busck, Dichomeris 2286  
**vaccinii** Riley, Acrobasis 5653  
**vacuana** Walker, Salobrena 5561  
*vagabunda* Inoue, Semiothisa 6325.1  
*vagella* Walker, Chionodes 2093  
**vagrans** Bates, Composita 8038a  
*valsaynalis* Kaye, Erceta 5111  
*vampoa* Guenée, Azeta 8575  
**vandana** Kearfott, Pelochrista 3170  
**vanillae** Linnaeus, Agraalis 4413  
 var. *affinis* Schaufuss, Perigonia 7846  
 var. *agrestis* Grote, Euxoa 10731  
 var. *albicoma* Hulst, Pennisetia 2513  
 var. *albina* Strecker, Bulia 8614  
 var. *aterrima* Bönnigghausen, Pachylia 7841  
 var. *atrates* Grote, Chionia 11110  
 var. *atrocolorata* Hulst, Pero 6762  
 var. *aurantis* Engelhardt, Carmenta 2608  
 var. *barnesii* Beutenmüller, Synanthedon 2583  
 var. *borealis* Fitch, Orgyia 8316  
 var. *castaneum* Beutenmüller, Paranthrene 2523  
 var. *cerasi* Boisduval, Paonius 7825  
 var. *chagnoni* Swett, Nematocampa 7009  
 var. *decolora* H. Edwards, Agrius 7771  
 var. *edwardsii* Beutenmüller, Synanthedon 2583  
 var. *erosnealis* Walker, Pyrausta 5069  
 var. *fitchii* H. Edwards, Synanthedon 2583  
 var. *flavitincta* Nixon, Smerinthus 7821  
 var. *floridana* Neumoegen, Atteva 2401  
 var. *fumerella* Dietz, Holcocera 1175  
 var. *hilaris* Möschler, Achaea 8721.1  
 var. *hyperbola* Slosson, Laothoe 7827  
 var. *ifranella* D. Lucas, Achroia 5623  
 var. *immaculata* Jewett, Sphingicampa 7709  
 var. *intermedia* Fitch, Orgyia 8316  
 var. *krautwormi*.– Forbes, Acronicta 9257  
 var. *luminosa* Neumoegen, Synanthedon 2583  
 var. *minorella* Dietz, Holcocera 1175  
 var. *nigra* Stebbing, Hyblaea 6088  
 var. *obliviosa* H. Edwards, Orgyia 8316  
 var. *obscura* Möschler, Eulepidotis 8572.1  
 var. *pecosensis* Cockerell, Paonius 7824  
 var. *polycaon* G. R. Gray, Papilio 4175a  
 var. *quisquiliella* Zeller, Holcocera 1175  
 var. *reductella* Dietz, Holcocera 1175  
 var. *rubripennis* Butler, Protambulyx 7818  
 var. *sorbi* Boisduval, Paonius 7825  
 var. *subsenella* Zeller, Hypatopa 1208  
 var. *suprema* Neumoegen, Sphingicampa 7709  
 var. *tripartitus* Grote, Smerinthus 7821  
 var. *tussia* Guenée, Pichodis 8754.1

var. *venezuelensis* Schaufuss, Pachylia 7841  
 var. *vulpina* H. Edwards, Bulia 8614  
 var. *walkerii* Neumoegen, Alcathe 2623  
**varadaria** Walker, Itame 6314  
*varia* Walker, Automeris 7746  
*varia* Walker, Elaphria 9681 (f.)  
**varia** Walker, Heterocampa 7982  
*variabilis* Möschler, Eulepidotis 8572.1  
*variabilis* Möschler, Metallata 8573  
**variata** Clemens, Nemapogon 275  
*variegata* Lambillion, Lymantria 8318  
*variegata* Möschler, Spragueia 9132  
*variella* Ragonot, Pococera 5620  
**variolaria** Guenée, Cabera 6678  
*varus* Grote & Robinson, Patalene 6974b  
*varus* Plötz, Pyrgus 3966  
**vaualbum j-album** Boisduval & Leconte, Nymphalis 4430 (p. 62)  
*vecordalis* Guenée, Herpetogramma 5274  
**vecors** Guenée, Condicta 9696  
*vegeta* Morrison, Cissusa 8592  
*velata* Walker, Gonodonta 8542  
**velatella** Clemens, Diachorisia 279  
*velinus* Plötz, Urbanus 3889  
**velleda** Stoll, Tolyte 7670  
**vellivolata** Hulst, Anacamptodes 6582  
*velutina* J. B. Smith, Marilopteryx 10633  
**velutinana** Walker, Argyrotaenia 3597  
*venalis* Grote, Nascia 4937  
*venapunctatus* Kimball, Leioptilus 6186.2  
*venapunctus*.– Kimball, Leioptilus 6186.2  
**venerabilis** Walker, Agrotis 10651  
*venezuelalis* Walker, Ufa 5895  
*venezuelensis* Amsel, Ocrasa 5531  
*venezuelensis* Schaufuss, Pachylia 7841 (var.)  
*venezuelensis* Strand, Megalographa 8907 (ab.)  
*venipars* Dyar, Amyeloidis 5724  
*venosa* Butler, Spodoptera 9665  
*venosella* Turati, Cadra 6023  
*ventilator* Grote, Marathyssa 8956  
**ventralis** Grote & Robinson, Diastictis 5255  
**ventrella** Fitch, Dichomeris 2287  
*venusta* Berg, Bagisara 9168  
*venusta* Dalman, Utetheisa 8106  
*venusta* Walker, Hyparax 8022  
*venustalis* Walker, Ommatospila 5294  
*venustula* Grote, Chaetagnela 9950  
*venustus* Walsh, Nemoria 7048  
**verbesinella** Busck, Cremastobombycia 724  
*verecuntella* Grossbeck, Palata 5930  
**verna** W. H. Edwards, Pompeius 4048  
*vernalis* Jones, Thyridopteryx 457  
*vernalis* Morrison, Psaphida 10014  
*vernalis* W. H. Edwards, Pontia 4192 (f.)  
*vernata* Packard, Parasa 4699  
*vernella* Murtfeldt, Chionodes 2077  
*vernifera* Walker, Zale 8684  
**verniochreana** Heinrich, Phaneta 2999  
**vernoniana** Kearfott, Endopiza 2723  
**verruca** Fabricius, Argyrogramma 8885  
*versabilis* Harvey, Melipotis 8607  
**versicolor** Grote, Elaphria 9678  
**versicolor** Harris, Darapsa 7884  
*versuta* Clemens, Pachylioides 7842  
*versuta* H. Edwards, Tripudia 9010  
**verutana** Zeller, Bactra 2707  
*vesaliella* Forbes, Choropleca 307  
*vesca* Morrison, Galgula 9688  
*vesperana* Clemens, Choristoneura 3631  
*vespiformis*.– Newman, Paranthrene 2524  
*vespiperne* Herrich-Schäffer, Paranthrene 2522  
*vespipennis* Boisduval, Paranthrene 2522  
**vestaliana** Zeller, Hystrichophora 3399  
**vestaliata** Guenée, Lomographa 6667  
**vestaliella** Zeller, Leptosteges 5306  
*vestalis* Hulst, Sericoptera 6994  
*vestalis* Walker, Herpetogramma 5274  
*vestalis* Zeller, Antaeotricha 1024  
**vestigialis** Guenée, Condylorrhiza 5215  
*vestilla* Dyar, Moodnodes 6004.2  
*vestitaria* Herrich-Schäffer, Nematocampa 7009  
**vestris** Boisduval, Euphyes 4078  
**vesulia** Cramer, Oxydia 6967  
*vetulina* Plötz, Pompeius 4048  
**vetustalis** Guenée, Ophiuche 8457.1  
*vetustalis* Walker, Pyralis 5515

*vetustaria* Walker, Pero 6762  
**vetustella** Dyar, Nephopterix 5794  
*vexabilis* Wallengren, Amyna 9070  
*whitneyi* Hampson, Catocala 8843  
**vialis** W. H. Edwards, Amblyscirtes 4105  
**viatica** Grote, Metaxaglaea 9944  
*viatica*.– auct., Metaxaglaea 9945  
*viatica*.– Kimball, Metaxaglaea 9945.1  
*viatica*.– Kimball, Metaxaglaea 9945.2  
**viator** W. H. Edwards, Poanes 4064  
**vibex** Geyer, Polites 4045  
**vibex** Hodges, Melanocinctus 1507  
*vicariana* Walker, Choristoneura 3635  
**vicinella** Dietz, Ceratophaga 414  
**videns** Guenée, Condicta 9690  
**vidua** J. E. Smith, Catocala 8792  
*viduata* Guenée, Catocala 8792  
*viduata*.– auct., Catocala 8793  
*viduatalis* Möschler, Desmia 5162  
*vigilaciella* Clemens, Plutella 2363  
**vilhelmina** Dyar, Araeopteon 9081  
*vilis*.– Matsumura, Sphenarches 6090.1  
**villificans** Barnes & McDunnough, Hyperstrotia 9038  
*villosalis* Zeller, Palpita 5217  
*villosella* Hulst, Etiella 5744  
*vilosella* Rogonot, Etiella 5744  
*vincta* Walker, Elaphria 9679  
*vinctalis* Walker, Tathorhynchus 8466  
*vinculalis* Möschler, Ophiuche 8459  
**vinculum** Guenée, Pichodis 8749  
**vindemialis** Guenée, Trichoclea 10264  
**vindex** Hodges, Dichomeris 2302.1  
**vinnula** Grote, Acronicta 9225  
*vinosaria* Grote & Robinson, Euchlaena 6731  
**vinotinctalis** Hampson, Oenobotys 4940  
*vinulenta* Grote & Robinson, Pyrausta 5034  
*vinulentaria* Grote & Robinson, Euchlaena 6731  
**viola** Maynard, Megisto 4578b  
**violacea** Schweitzer, Metaxaglaea 9945.2  
*violacea* W. H. Edwards, Celastrina 4363  
**violacearia** Walker, Idaea 7120  
*violaceus* Beutenmüller, Acrolophus 374  
**violacella** Clemens, Caloptilia 644  
*violaceofusca* Zeller, Chionodes 2072  
**violaris** Grote & Robinson, Euxoa 10810  
*violescens* Schaus, Gonodes 9687  
*virens* French, Catocala 8877  
**virescens** Fabricius, Heliothis 11071  
*virgata* Packard, Oligocentria 8017  
**virgatella** Clemens, Nephopterix 5797  
*virgilius* Scudder & Burgess, Erynnis 3952  
*virginalis* Cassino & Swett, Lomographa 6668  
**virginalis** Grote, Tarachidia 9088  
*virginalis* Hübner, Palpita 5217  
**virginaria** Hulst, Sericoptera 6994  
*virginaria*.– auct., Epimecis 6599  
**virginiana** Clemens, Pseudexentera, 3258  
*virginiana* Clemens, Sparganothis 3695  
*virginaria* Cramer, Ectropis 6597  
*virginica* Fabricius, Spilosoma 8137  
*virginiella* Clemens, Prochoreutis 2629  
**virginiensis** Drury, Anisota 7723  
**virginiensis** Drury, Vanessa 4434  
**virginiensis** Guérin-Ménéville, Calophelis 4386  
**virgo** Linnaeus, Grammia 8197  
**virgulae** Braun, Ectoedemia 46  
*virguncula*.– Saunders, Grammia 8196  
*virida* Strecker, Colias 4209 (ab.)  
**viridans** Guenée, Zale 8685  
**viridata** Packard, Acasis 7635  
*viridescens* Walker, Heliothis 11071  
*viridescens* Walker, Heterocampa 7995  
*viridescens* Walker, Psaphida 10019  
*viridiclava* Walker, Euclea 4697 (f.)  
*viridipurpurea* Hulst, Phrudocentra 7051  
*viridis* Cockerell, Papilio 4159a (f.)  
*viridis* Reakirt, Parasa 4698  
*viridis* Strecker, Limenitis 4522a (f.)  
*viridis* Whittaker & D. Stallings, Nathalis 4248 (f.)  
*viridiscens* Franclemont & Todd, Psaphida 10019  
*viridisquama* Walker, Zale 8685  
*viridoplerata* Packard, Campaea 6796  
*virulenta* Hampson, Pyrausta 5034  
*visaliella* Chambers, Argysthia 2438  
**visaliella** Chambers, Choropleca 307  
*viscendalis* Möschler, Achyra 4975

- visendalis* Hampson, *Achyra* 4975  
*viteana* Clemens, *Endopiza* 2712  
*vitellius*.– J. E. Smith, *Atrytone* 4050  
*vitifoliella* Chambers, *Phyllocnistis* 854  
*vitiligata* R. Felder & Rogenhofer, *Oxydia* 6970  
*vitis* French, *Achatia* 10518  
*vitis* Linnaeus, *Eumorpha* 7864  
*vitivorana* Packard, *Endopiza* 2712  
*vitralis* Hübner, *Diaphania* 5202  
*vitratata* Fabricius, *Maruca* 5157.1  
*vitrea* Grote, *Redectis* 8401  
*vitrina* Walker, *Catabena* 10036  
*vittata* Fabricius, *Apantesis* 8170  
*vittata* Fabricius, *Ercta* 5111  
*vittata* Harris, *Hypoprepia* 8089  
*vittatalis* Dyar, *Contiger* 4752  
*vittatula* Strand, *Apantesis* 8169  
*vittella* Busck, *Battaristis* 2229  
*vivida* Grote, *Pygarcia* 8256  
*vogli* Amsel, *Bicilia* 5271  
*vogli* Daniel, *Manduca* 7782 (f.)  
*volucrata* Hulst, *Leptostales* 7179  
*voluta* Clemens, *Adoneta* 4685  
*vulgalis* Guenée, *Omiodes* 5212  
*vulgaris* Dognin, *Omiodes* 5212  
*vulgaris* Grote & Robinson, *Apamea* 9332  
*vulgivaga* Morrison, *Oligia* 9406 (f.)  
*vulgivagella* Clemens, *Agriphila* 5403  
*vulneraria* Hübner, *Sphacelodes* 6800  
*vulnifica* Grote, *Bellura* 9523  
*vulpina* H. Edwards, *Bulia* 8614 (var.)  
*vultuosa* Grote, *Apamea* 9341  
*w-album* Grote, *Iodopepla* 9522  
*wakulla* W. H. Edwards, *Amblyscirtes* 4099  
*walker* Neumoen, *Alcathoe* 2623 (var.)  
*walshii* W. H. Edwards, *Eurytides* 4184 (f.)  
*walsinghami* Busck, *Phereoeca* 390  
*walsinghami* Dietz, *Pseudochelaria* 1864  
*walsinghami* Kearfott, *Epiblema* 3196  
*wandana* Kearfott, *Eucosma* 3122  
*wardi* Riotte, *Orygia* 8316  
*wasmuti* Weeks, *Battus* 4157 (ab.)  
*watermani* Nakahara, *Everses* 4361  
*watoni* Knudson & Bordelon, *Tallula* 5592  
*watsonellus* Klots, *Crambus* 5366  
*watsoni* Barnes & McDunnough, *Tallula* 5592  
*watsoni* Richards, *Arugisa* 8510  
*weidenhameri* Polacek, *Junonia* 4440 (ab.)  
*westcott* auct., *Catocala* 8844  
*westcottii* Grote, *Catocala* 8844 (f.)  
*westwoodi* Druce, *Cydosia* 9000  
*whitneyi* Dodge, *Catocala* 8843  
*wilfriedi* Sageder, *Antheraea* 7757  
*wilhelmi* Gunder, *Junonia* 4440 (ab.)  
*wimico* Plötz, *Panoquina* 4116  
*wingina* Scudder, *Polites* 4045  
*wirti* Schaus, *Manduca* 7776 (ab.)  
*wittfeldi* McDunnough, *Carmenta* 2614  
*wittfeldii* H. Edwards, *Alypia* 9316  
*wittfeldii* H. Edwards, *Carmenta* 2614  
*wittfeldii* W. H. Edwards, *Satyrion* 4282  
*wladiwostockensis* Strand, *Lymantria* 8318  
*woodi* Grote, *Zale* 8713  
*worthingtoni* Grote, *Eucrotonem* 10694  
*worthingtoniana* Fernald, *Eucosma* 3099  
*wrightii* Grinnell, *Trichoptilus* 6100  
*xanthialis* Guenée, *Portentomorpha* 5078  
*xanthioides* Guenée, *Perigea* 9689  
*xanthoa* Hodges, *Dichomeris* 2301.1  
*xanthobasis* Zeller, *Rectiostoma* 1026  
*xantholeucalis* Guenée, *Leptosteges* 5300  
*xanthometata* Walker, *Mellila* 6322  
*xanthophila* Röber, *Kricogonia* 4235 (f.)  
*xanthorrhoea* Zeller, *Ethmia* 995  
*xenica* Meyrick, *Erechthias* 303  
*xeniolalis* Hulst, *Hileithia* 5188  
*xeraula* Meyrick, *Martyringa* 1066  
*xiphaeiformis* Boisduval, *Synanthedon* 2583  
*xylina* Say, *Alabama* 8554  
*xyliniformis* Guenée, *Acronicta* 9264  
*xylinoides* Guenée, *Acronicta* 9264  
*xylostella* Linnaeus, *Plutella* 2366  
*xysteraria* Hulst, *Synchlora* 7060.1  
*y-inversum* Packard, *Apoda* 4667  
*ydatodes* Dyar, *Afrida* 8973.1  
*yehl* Skinner, *Poanes* 4063  
*youngi* Field, *Strymon* 4336 (ab.)  
*yponomeutaria* Guenée, *Eumacrodes* 7086  
*ypsilon* Rottentburg, *Agrotis* 10663  
*ypsilon* S. A. Forbes, *Lycia* 6652  
*ypsilonnigrum* Bryk, *Agrius* 7771 (f.)  
*yreka* Reakirt, *Pieris* 4197 (f.)  
*yuccae* Boisduval & Leconte, *Megathymus* 4145  
*yuccaella* Boll, *Tegeticula* 198  
*yuccasella* Riley, *Tegeticula* 198  
*yuccasella*.– auct., *Tegeticula* 198.1  
*zabulon* Boisduval & Leconte, *Poanes* 4060  
*zalissaria* Walker, *Pero* 6752  
*zalissaria* Walker, *Tacparia* 6805  
*zapillitalis* Munroe, *Diaphania* 5204  
*zarucco* Lucas, *Erynnis* 3956  
*zayasi* Torre & Alayo, *Heterocampa* 7997  
*zea* Boddie, *Helicoverpa* 11068  
*zeacolella* Dyar, *Diatraea* 5476  
*zeae* Fitch, *Plodia* 6019  
*zeae* Harris, *Achatodes* 9520  
*zebrina* Butler, *Erechthias* 303  
*zeellus* Fernald, *Crambus* 5380  
*zelatella* Hulst, *Acrobasis* 5651  
*zelica* French, *Catocala* 8794 (f.)  
*zellerella* Sorhagen, *Ectomyeloides* 5723  
*zelleri* Grote, *Macalla* 5579  
*zelleri* Möschler, *Rupela* 5311  
*zelleriella* Clemens, *Tischeria* 143  
*zenobia* Cramer, *Thysania* 8647  
*zerynthia* Hübner, *Marpesia* 4548 (p. 62)  
*zestos* Geyer, *Epargyreus* 3869  
*zimmermani*.– auct., *Dioryctria* 5852.1  
*zinckenella* Treitschke, *Etiella* 5744  
*ziscana* Kearfott, *Aethes* 3862  
*zizaniae* Shapiro, *Poanes* 4064a  
*zoilusalis* Walker, *Cryptobotys* 5282  
*zonalis* C. Felder & R. Felder, *Junonia* 4442  
*zonata* Drury, *Aellopos* 7847  
*zonata* Walker, *Metalectra* 8500  
*zophodactyla*.– Kimball, *Stenoptilia* 6145  
*zygaenalis* Guenée, *Diaphania* 5207  
[n. sp.], *Accleris* 3543.1  
[n. sp.], *Acrocercops* 696.1  
[n. sp.], *Alucita* 2313.1  
[n. sp.], *Antiplecta* 7652.1  
[n. sp.], *Baileya* 8971.1  
[n. sp.], *Besciva* 1841.1  
[n. sp.], *Bleptina* 8375.1  
[n. sp.], *Bleptina* 8375.2  
[n. sp.], *Cameraria* 816.1  
[n. sp.], *Coleophora* 1398.1  
[n. sp.], *Coleophora* 1398.2  
[n. sp.], *Dypterygia* 9562.2  
[n. sp.], *Epidromia* 8585.2  
[n. sp.], *Epiplema* 7649.1  
[n. sp.], *Gnorimoschema* 1993.1  
[n. sp.], *Heliodines* 2497.1  
[n. sp.], *Homaledra* 1422.1  
[n. sp.], *Hypenodes* 8421.1  
[n. sp.], *Isophrictis* 1686.1  
[n. sp.], *Leioptilus* 6186.2  
[n. sp.], *Leucanthiza* 700.1  
[n. sp.], *Leucanthiza* 701.1  
[n. sp.], *Lobesia* 2729.1  
[n. sp.], *Marmara* 716.1  
[n. sp.], *Metalectra* 8500.1  
[n. sp.], *Neara* 1767.1  
[n. sp.], *Phyllocnistis* 851.2  
[n. sp.], *Prostomeus* 2256.1  
[n. sp.], *Recurvaria* 1786.1  
[n. sp.], *Rhamphura* 1680.1  
[n. sp.], *Scythris* 1653.1  
[n. sp.], *Sparganothis* 3696.1  
[n. sp.], *Sparganothis* 3696.2  
[n. sp.], *Toxonprucha* 8676.1  
[n. sp.], *Untomia* 2224.1  
[n. sp.], *Xantippe* 5570.1  
[n. sp.], *Zale* 8718.1

# INDEX TO GENERA AND HIGHER CATEGORIES

In this index valid names are in boldface capital letters; names in boldface lower-case letters refer to subgenera. Names in italics are synonyms. The index entails 4,586 entries, including genera, subgenera, and synonyms, and all higher category names. Subgenera are in lower case letters. Genera listed only on p. 62 are noted in normal type-face. NOTE: Numbers in this index refer to page numbers.

- ABABLEMMA** Nye, 425  
**Abaeis** Hübner, 373  
**ABAGROTIS** J. B. Smith, 480  
*Abaraschia* Căpușe, 250  
*Abbottana* Hulst, 348  
*Ablepharon* Grote, 455  
**ABRAXINI**, 337  
**ABRENTIA** Busck, 263  
*Abromias* Billberg, 456  
**ABROSTOLINI**, 442  
*Acacalis* Agassiz, 429  
*Acacallis* Hübner, 429  
*Acalla* Hübner, 324  
**ACALYPTRIS** Meyrick, 232  
*Acanthocephala* Travassos, 392  
*Acanthophila* Heinemann, 260  
*Acanthoplia* Dufay, 443  
**ACASIS** Duponchel, 358  
*Acedes* Hübner, 236  
**ACHAEA** Hübner, 437  
**ACHALARUS** Scudder, 360  
*Achalia* Hübner, 473  
*Acharana* Moore, 283  
**ACHARIA** Hübner, 317  
*Acharneodes* Meyrick, 318  
*Achatea* Curtis, 473  
*Achatia* Hübner, 449  
**ACHATIA** Hübner, 473  
**ACHATODES** Guenée, 457  
**ACHERDOA** Walker, 459  
*Achias* Clément, 394  
*Achillides* Hübner, 367  
*Achiria* Sherborn, 273  
*Achivus* Kirby, 367  
*Achoria* Paddock, 293  
*Achroea* Agassiz, 293  
**ACHROIA** Hübner, 293  
**ACHYRA** Guenée, 273  
*Achyria* Sherborn, 273  
*Acidalia* Bruand, 354  
*Acidalia*—Treitschke, 352  
*Acidalia*—Treitschke, 354  
*Acidalina* Staudinger, 354  
**ACLERIS** Hübner, 327  
*Acolasia* Hübner, 435  
*Acolasis* Hübner, 435  
*Acolastus* Scudder, 359  
**ACOLOITHUS** Clemens, 312  
**ACONTIA** Ochsenheimer, 451  
**ACONTIINAE**, 447  
**ACONTIINI**, 450  
*Acontiola* Staudinger, 448  
*Acornutia* Obratsov, 335  
**ACRATODES** Guenée, 354  
*Acribologa* Meyrick, 260  
**ACROBASIS** Zeller, 294  
*Acrocaula* Hulst, 294  
**ACROCERCOPS** Wallengren, 242  
*Acrolephus* Portier, 234  
**ACROLEPIIDAE**, 265  
**ACROLEPIOPSIS** Gaedike, 265  
*Acroleuca* Herrich-Schäffer, 344  
**ACROLOPHIDAE**, 233  
**ACROLOPHINAE**, 233  
**ACROLOPHUS** Poey, 233  
*Acromeseres* Dyar, 299  
**ACRONICTA** Ochsenheimer, 452  
**ACRONICTINAE**, 452  
**ACRONICTINI**, 452  
*Acronycta* Treitschke, 452  
*Acronyctia* Meigen, 452
- ACTIAS** Leach, 394  
**ACTRIX** Heinrich, 298  
*Acyphas* Walker, 410  
**ADAINA** Tutt, 307  
**ADELA** Latreille, 233  
**ADELIDAE**, 233  
*Adelocampa* Packard, 392  
*Adelocephala* Duponchel, 392  
*Adelocephala*—auct., 391  
**ADELPHIA** Heinrich, 299  
*Adenoneura* Walsingham, 326  
*Adipsophanes* Grote, 469  
*Adkina* Yano, 306  
*Adkinia* Tutt, 306  
**ADONETA** Clemens, 316  
*Adonisea* Grote, 482  
**ADOXOPHYES** Meyrick, 331  
*Adrana* Walker, 445  
*Adrasteia* Chambers, 256  
*Adrastia* Kirby, 256  
*Adrocampa* Schaus, 428  
*Aeaea* Chambers, 253  
*Aechmia* Treitschke, 263  
*Aecimia* Boisduval, 263  
*Aedemoses* Walsingham, 245  
*Aedia* Duponchel, 245  
*Aedilis* Gistel, 233  
*Aediodes* Guenée, 278  
*Aedis* Grote, 271  
**AELLOPOS** Hübner, 400  
*Aenectra* Doubleday, 332  
*Aenigma* Strecker, 266  
*Aernauta* Berge, 367  
*Aeschropteryx* Butler, 349  
*Aesyle* Chambers, 242  
*Aethaloptera* Hulst, 340  
**AETHALURA** McDunnough, 340  
**AETHES** Billberg, 334  
**AETHIOPHYSA** Munroe, 270  
*Aetola* Frey, 265  
*Aetole* Chambers, 265  
**AFEDA** Hodges, 253  
*Affa* Walker, 321  
**AFRIDA** Möschler, 446  
**AFRIDINI**, 446  
*Aganactesis* Dyar, 293  
*Aganisthos* Boisduval & Leconte, 386  
*Aganisthus* Kirby, 386  
*Aganistos* Boisduval, 386  
*Aganzagara* Walker, 427  
*Agapals* Falkovitsh, 249  
*Agarica* Sodoffsky, 236  
**AGARISTINAE**, 455  
**AGATHODES** Guenée, 282  
*Ageliarchis* Meyrick, 260  
*Ageronia* Hübner, 386  
**AGERONIINI**, 386  
*Agia* Hulst, 358  
*Aglais*—auct., 381  
**AGLAONICE** Möschler, 423  
*Agliopsis* Bouvier, 392  
**AGLOSSA** Latreille, 290  
*Agnomonia* Hübner, 438  
**AGONOPTERYX** Hübner, 244  
*Agonopteryx* auct., 244  
*Agrapha*—auct., 443  
*Agrapha*—auct., 444  
**AGRAULIS** Boisduval & Leconte, 380  
*Agriastis* Meyrick, 258
- Agriope* Ragonot, 290  
**AGRIOPODES** Hampson, 455  
*Agrioscelis* Meyrick, 246  
*Agriotorna* Meyrick, 246  
**AGRIPHILA** Hübner, 287  
**AGRIUS** Hübner, 395  
*Agronoma* Hübner, 474  
*Agronomae* Hübner, 474  
*Agrostobia* Boit, 456  
**AGROTINI**, 474  
*Agrotiphila*—auct., 477  
**AGROTIS** Ochsenheimer, 474  
*Agryanges* Neumögen & Dyar, 392  
*Ahwazia* Amsel, 302  
*Ajacania* Schaus, 292  
*Ajantis* Hübner, 380  
*Ajocara* Schaus, 292  
**ALABAMA** Grote, 430  
*Alamosa* Hampson, 304  
*Alaria* Duncan & Westwood, 482  
**ALARODIA** Möschler, 315  
*Alastor* Boisduval, 405  
*Alata* Walker, 297  
**ALATUNCUSIA** Amsel, 269  
*Alberticodes* Biezanko & Ruffinelli, 424  
*Alcalthoe* Riley & Howard, 311  
**ALCATHOE** H. Edwards, 311  
*Alceris* Fernald, 328  
*Alcippe* Gumpfenberg, 339  
*Alcothoe* Patch, 311  
*Alcyoneis* Hübner, 383  
*Aletes* Rafinesque, 290  
*Aleucanitis* Warren, 433  
**ALLAGRAPHA** Franclemont, 444  
*Allobrachygonia* Fernald, 318  
*Alloendothenia* Oku, 318  
**ALLOTRIA** Hübner, 437  
**ALMODES** Guenée, 336  
*Alotia* Swinhoe, 445  
*Alpesa* Walker, 465  
*Alphis* Walker, 313  
**ALSOPHILA** Hübner, 336  
**ALSOPHILINI**, 336  
*Altoona* Hulst, 305  
*Aluaca* Walker, 427  
**ALUCITA** Linnaeus, 262  
**ALUCITIDAE**, 262  
*Alucitina* Heydenreich, 262  
**ALYPIA** Hübner, 456  
*Amadria* Chambers, 233  
*Amadrya* Chambers, 233  
*Amaryssus* Dalman, 367  
*Amathes* Hübner, 479  
*Amaurogramma* Braun, 253  
*Amblorhodia* Wallengren, 264  
**AMBLYSCHIRTES** Scudder, 365  
*Ambulix* Lucas, 398  
*Ambulix* Herrich-Schäffer, 398  
*Amelia* Hübner, 327  
*Ameria* Walker, 358  
**AMETRIS** Hübner, 336  
*Amilapis* Guenée, 342  
*Ammatocampa* Wallengren, 390  
*Ammiralis* Rennie, 381  
**AMOLITA** Grote, 467  
**AMORBIA** Clemens, 334  
*Amorpha* Hübner, 399  
*Ampeloeca* Rothschild & Jordan, 402  
*Ampichlora* C. Felder, 386  
**AMPHION** Hübner, 402
- Amphionyx* Lucas, 395  
**AMPHIPYRA** Ochsenheimer, 459  
**AMPHIPYRINAE**, 456  
**AMPHIPYRINI**, 459  
*Amphirene* Boisduval, 383  
*Amphirene* Doubleday, 383  
**AMPHISBATINI**, 244  
*Amphisyncentris* Meyrick, 235  
*Amphonyx* Poey, 395  
*Amselghia* Căpușe, 250  
*Amseliphora* Căpușe, 249  
*Amycla* Doubleday, 385  
**AMYDRIA** Clemens, 233  
**AMYDRINAE**, 233  
*Amydrya* Kearfott, 233  
**AMYELOIS** Amsel, 296  
**AMYNA** Guenée, 449  
*Amynthia* Swainson, 372  
**ANABASIS** Heinrich, 295  
**ANACAMPSINI**, 258  
**ANACAMPSIS** Curtis, 258  
*Anacamptodes* Bruand, 263  
**ANACAMPTODES** McDunnough, 340  
*Anacta* Kristensen, 473  
**ANADELOSEMIA** Dyar, 296  
*Anadetia* Hübner, 263  
**ANAEA** Hübner, 386  
*Anagasta* Heinrich, 303  
**ANAGESHNA** Munroe, 279  
*Anagoa* Möschler, 422  
*Anagoga* Hübner, 347  
*Anagoge* Stephens, 347  
**ANAGOGINI**, 346  
**ANAGRAPHA** McDunnough, 444  
*Ananarsia* Amsel, 259  
**ANANIA** Hübner, 272  
*Anania*—auct., 284  
*Anaphora* Clemens, 233  
*Anaphorina* Strand, 234  
*Anaploides* Packard, 350  
*Anarchylus* Dyar, 313  
**ANARSIA** Zeller, 259  
**ANARTIA** Hübner, 383  
*Anatiella* Fruhstorfer, 383  
*Anatrachyntis* Meyrick, 252  
**ANATRYTONE** Dyar, 364  
*Anavitrinella* Ferguson, 340  
**ANAVITRINELLA** McDunnough, 340  
*Ancata* Capuse, 473  
*Anchonoma* Meyrick, 246  
*Anchylopera* Stephens, 324  
*Anciola* Neave, 478  
*Ancistrognathus* Wallengren, 395  
**ANCYLIS** Hübner, 324  
**ANCYLOLOMINI**, 286  
**ANCYLOSTOMIA** Ragonot, 297  
*Ancyloxipha* auct., 362  
*Ancyloxipha* C. Felder, 362  
*Andinus* Hayward, 363  
*Andreusia* Hampson, 439  
*Andrewsia* Grote, 439  
*Andria* Hübner, 406  
*Andria* Hübner, 406  
*Androgrupos* Hampson, 352  
*Andropodum* Hübner, 370  
**ANEGCEPHALESIS** Dyar, 297  
*Anemerarcha* Meyrick, 235  
*Anephischetos* auct., 426  
**ANEPIA** Hampson, 470

- Anepischetos* J. B. Smith, 426  
*Anesychia* Hübner, 245  
*Angas* Wallengren, 394  
**ANGERONINI**, 344  
*Ania* Stephens, 352  
**ANICLA** Grote, 478  
**ANICLINI**, 478  
*Anida* Grote, 478  
**ANISOTA** Hübner, 392  
*Anizota* Travassos & Noronha, 392  
*Ankistrophorus* Walsingham, 234  
*Annemoria* Packard, 350  
*Anodonta* Rambur, 452  
*Anomagyna* Benjamin, 479  
**ANOMIS** Hübner, 429  
*Anomagyna* Staudinger, 479  
**ANOMOLOGINI**, 254  
*Anomostictis* Warren, 283  
*Anomus* Agassiz, 429  
*Anophora* Kearfott, 234  
*Anorcota* Meyrick, 252  
**ANORTHODES** J. B. Smith, 460  
*Anorthodisca* Gaede, 260  
*Anorthosia* Clemens, 260  
**ANTAEOTRICHIA** Zeller, 245  
*Antapaga* Grote, 467  
*Antarchaea* Hübner, 427  
*Anteosis* Warren, 353  
**ANTEOS** Hübner, 372  
**ANTEQUERINAE**, 251  
**ANTERASTRIA** Sugi, 448  
*Anthaea* Watkins, 394  
*Antheraeopsis* Lemaire, 394  
**Anthassa** Scudder, 384  
**ANTHANASSA** Scudder, 384  
**ANTHERAEA** Hübner, 393  
*Antheraeopsis* Wood-Mason, 394  
*Antherea* Herrich-Schäffer, 393  
*Anthocaris* auct., 371  
**ANTHOCHARINI**, 370  
**ANTHOCHARIS** Boisduval, Rambur & Graslén, 370  
*Anthochris* Cook, 371  
*Anthocitta* Hübner, 435  
*Anthoecia* Boisduval, 482  
*Anthomaster* Scudder, 363  
*Anthophila* Ochsenheimer, 449  
*Anthophilae* Hübner, 449  
*Anthrenoptera* Swinhoe, 308  
**ANTIBLEMMA** Hübner, 431  
**ANTICARSIA** Hübner, 431  
*Anticlea* Stephens, 324  
**ANTICLEA** Stephens, 357  
*Antictenista* Meyrick, 319  
*Antiercta* Amsel, 276  
*Antiolopha* Meyrick, 241  
**ANTIPECTA** Warren, 336  
**ANTISPILA** Hübner, 233  
*Antithesia* Stephens, 319  
*Antomeris* Hübner, 392  
*Antophila* Hübner, 449  
*Antophyla* Duponchel, 449  
*Anybia* Stainton, 251  
**ANYPSIPYLA** Dyer, 295  
*Apacasia* Hulst, 346  
*Apallacta* Möschler, 353  
**APAMEA** Ochsenheimer, 456  
*Apamea*—Grote, 457  
**APAMEINI**, 456  
**APANTESIS** Harris, 418  
*Apatela* Stephens, 452  
*Apatelae* Ochsenheimer, 452  
*Apatete* Hübner, 452  
*Apatela* Hübner, 452  
*Apatete* Hübner, 452  
**ARGYRESTHIA** Packard, 389  
**APATELODIDAE**, 389  
*Apatura* Illiger, 386  
*Apatura*—auct., 387  
**APATURINAE**, 386  
**APATURINI**, 387  
*Aphanaula* Meyrick, 255  
*Aphania* Hübner, 319  
*Apheloetia* Stephens, 247  
*Aphigalia* Dyar, 247  
*Aphlyctaena* Kaye, 423  
*Aphnogenes* Meyrick, 260  
**APHRISIA** Butler, 372  
*Aphrogeneia* Gumpfenberg, 352  
*Apicia* Guenée, 348  
*Apista* Hübner, 249  
*Aplecta* Guenée, 470  
*Aplocampa* Schaus, 428  
*Aploides* Guenée, 350  
*Apoclis* Walsingham, 234  
**APODA** Haworth, 315  
*Apocetes* Monroe, 275  
**APOGESHNA** Munroe, 279  
*Apolema*, 62  
*Aporiptura* Falkovitsh, 249  
*Apostraphia* Hübner, 380  
**APOTOFORMA** Busck, 328  
*Apotomia* Dietz, 237  
**APOTOMIS** Hübner, 319  
**APPIAS** Hübner, 369  
*Appius* F. M. Brown, 369  
*Apterogynis* Guenée, 410  
*Apyrausta* Amsel, 281  
*Aradrappa* Walker, 292  
*Araeoptera* Hampson, 450  
**ARAEOPTERON** Hampson, 450  
*Araeopterum* Hampson, 450  
*Araschnopsis* Amsel, 279  
*Araschnopsis* Knudson & Bordelon, 279  
*Arce* Rozowski, 335  
**ARCHANARA** Walker, 457  
*Archarana* Viette, 457  
*Archimetzneria* Amsel, 254  
**ARCHIPINI**, 328  
*Archippus* Freeman, 330  
**ARCHIPS** Hübner, 330  
**ARCHIRHOE** Herbulot, 356  
**ARCOLA** Shaffer, 300  
*Arctia*—auct., 418  
*Arctias* Hutton, 394  
**ARCTIDAE**, 413  
**ARCTIINAE**, 414  
**ARCTIINI**, 414  
**ARCTIININA**, 413  
*Arctomyscis* Hübner, 452  
*Arcyonia* Hübner, 358  
*Ardania* Căpușe, 250  
*Aresia* Barnes & McDunnough, 446  
*Aresta* Billberg, 383  
*Argadesa* Moore, 429  
*Argema* Wallengren, 394  
*Arges* Hübner, 401  
*Argia* Gumpfenberg, 352  
**ARGILLOPHORA** Grote, 448  
*Argiope* Chambers, 265  
*Argiraudes* Conte, 392  
*Argrotoxa* Pierce & Metcalfe, 327  
*Arguisa* Tietz, 428  
*Argus* Scopoli, 387  
**ARGYNNINI**, 384  
*Argynnis*—auct., 384  
*Argyra* Wolcott, 288  
**ARGYRACTINI**, 269  
*Argyrectinia* Falkovitsh, 249  
**ARGYRACTIS** Hampson, 269  
*Argyrauges* Grote, 392  
**ARGYRESTHIA** Hübner, 264  
**ARGYRESTHIDAE**, 264  
*Argyrestia* MacKay, 264  
**ARGYRIA** Hübner, 288  
*Argyria*—auct., 289  
*Argyridia* Stephens, 334  
**ARGYRIINI**, 288  
*Argyritis* Hübner, 470  
*Argyroglea* Hampson, 470  
**ARGYROGRAMMA** Hübner, 442  
**ARGYROGRAMMATINI**, 442  
*Argyrophyes* Grote, 447  
*Argyroplote* Hübner, 320  
*Argyroptera* Duponchel, 334  
*Argyroscelia* Warren, 353  
*Argyrosetia* Stephens, 264  
**ARGYROSTROTIS** Hübner, 438  
*Argyrostromus* Agassiz, 438  
**ARGYROTAENIA** Stephens, 328  
*Argyrotaenia* Hübner, 286  
*Argyrotoxa* Curtis, 327  
*Argyrotoxa* Agassiz, 327  
*Argyrotoxa* Stephens, 327  
*Ariathisa* Walker, 460  
**ARISTARIA** Guenée, 423  
*Aristodaema* Wallengren, 420  
**ARISTOTELIA** Hübner, 254  
**ARIVACA** Shaffer, 305  
*Arna* Walker, 278  
*Arochis* Walker, 282  
**AROGA** Busck, 257  
**AROGALEA** Walsingham, 256  
*Arothoures* A. Blanchard, 305  
*Arotis* Mabille, 364  
*Arotia* Meyrick, 260  
**AROTRURA** Walsingham, 254  
*Arrhostia* Hübner, 352  
*Artsica* Walker, 433  
**ARTA** Grote, 291  
**ARTACE** Walker, 389  
*Artaversala* Davis, 232  
*Artemis* Kirby & Spence, 394  
*Arthrachlora* Hampson, 469  
*Arthrochlora* Grote, 469  
*Artogeia* Verity, 370  
*Artemyscis* Butler, 452  
*Artopsis* Dyar, 291  
*Arucha* Walker, 297  
**ARUGISA** Walker, 428  
*Arzama* Walker, 458  
*Arzamopsis* Dyar, 458  
**ASBOLIS** Mabille, 365  
**ASCALAPHA** Hübner, 434  
**ASCIA** Scopoli, 370  
**ASCIODES** Guenée, 283  
*Ascleriductia* Căpușe, 250  
*Asema* Sodoffsky, 455  
*Asisyra* Grote, 460  
*Asmate* Gumpfenberg, 338  
*Asopia* Treitschke, 290  
*Aspidisca* Clemens, 233  
*Aspila* Guenée, 481  
*Aspila* Stephens, 326  
*Astacuda* Moore, 339  
**ASTALA** Davis, 239  
*Astasia* Harris, 389  
*Astatis* Hübner, 324  
**ASTEROCAMPA** Röber, 387  
*Asthenia* Hübner, 324  
**ASTHENINI**, 357  
*Astias* Leach, 394  
*Astigmella* Puplesis, 231  
*Astiodes* Forster & Wohlfahrt, 439  
*Astiotis* Hübner, 439  
**ASTRALEPHESTIODES** Neunzig, 303  
*Astrapetes* Agassiz, 473  
*Astrapetis* Hübner, 473  
*Astura* Guenée, 281  
*Astygies* Stephens, 249  
*Astycus* Hübner, 361  
*Atabyria* Snellen, 236  
*Atachia* Wocke, 247  
*Atacira* Swinhoe, 445  
**ATALOPEDES** Scudder, 364  
**ATASCOSA** Hulst, 305  
*Atasthalistis* Meyrick, 260  
**ATEGUMIA** Amsel, 278  
*Ategumia* Bendicho-L., 278  
*Ateleomorpha* Warren, 361  
*Atethmia*—auct., 451  
**ATHELOCA** Heinrich, 297  
*Athena* Hübner, 386  
*Athyma* Pagenstecher, 432  
**ATHYRMA** Hübner, 432  
*Athysania* Hübner, 429  
**ATLIDES** Hübner, 374  
**ATOMOPTERYX** Walsingham, 275  
*Atomyles* Scudder, 365  
*Atopocera* Walsingham, 234  
*Atreides* Holland, 397  
*Atreus* Grote, 397  
*Atroposia* Knudson & Bordelon, 335  
**ATRYTONE** Scudder, 364  
**ATRYTONOPSIS** Godman, 365  
*Attacapa* Hulst, 293  
**ATTACINI**, 394  
**ATTEVA** Walker, 264  
**ATTEVIDAE**, 264  
*Audela* Walker, 451  
*Auradisa* Walker, 292  
**AURATONOTA** Razowski, 335  
*Aureliana* Căpușe, 249  
*Aurora* Ragonot, 305  
*Austrosetia* C. Felder, 309  
**AUTOCHTON** Hübner, 360  
*Autocosmia* Warren, 274  
*Autogramma* Jordan, 397  
*Autographa*—auct., 444  
**AUTOMERIS** Hübner, 392  
*Automeroides* Michener, 392  
**AUTOPLUSIA** McDunnough, 444  
**AUTOPLUSIINA**, 444  
*Autoses* Hübner, 236  
**AUTOSTICHA** Meyrick, 245  
**AUTOSTICHINAE**, 245  
*Axia* Hübner, 446  
*Axinophora* Agassiz, 347  
*Azata* Walker, 337  
*Azatha* Walker, 434  
*Azelina* Guenée, 345  
**AZELININI**, 345  
*Azelinopsis* Warren, 345  
**AZETA** Guenée, 431  
*Azinophora* Stephens, 347  
*Azinis* Walker, 245  
**AZOCHIS** Walker, 282  
*Babaiaxa* Busck, 245  
*Bacesuia* Căpușe, 249  
**BACTRA** Stephens, 318  
**BACTRINI**, 318  
*Badebecia* Heinrich, 319  
**BAGISARA** Walker, 451  
**BAGISARINI**, 451  
**BAILEYA** Grote, 445  
*Balbis* Walsingham, 325  
*Ballonicha* Möschler, 291  
*Ballovia* Dyar, 296  
**BALSA** Walker, 460  
**BANISIA** Walker, 266  
*Baormia* Duponchel, 339  
**BAPHALA** Heinrich, 302  
*Bapta* Stephens, 343  
**BAPTINI**, 343  
*Baraschia* Căpușe, 250  
*Baratha* Walker, 438  
*Barhona* Moore, 411  
**BASACALLIS** Cashatt, 291

- BASICLADUS** Davis, 239  
**Basilarchia** Scudder, 385  
**BASILODES** Guenée, 467  
*Basilona* Boisduval, 391  
*Bastilla* Swinhoe, 437  
**BATRACHEDRA** Herrich-Schäffer, 250  
**BATRACHEDRINAE**, 250  
**BATTARISTIS** Meyrick, 258  
**BATTUS** Scopoli, 367  
*Bayleya* Lucas, 446  
*Bazira* Walker, 234  
*Bebroptera* Sodoffsky, 398  
**BEDELLIA** Stainton, 265  
**BEDELLINAE**, 264  
*Begoe* Chambers, 260  
*Beguma* Walker, 332  
**BELLURA** Walker, 458  
**BEMA** Dyar, 301  
*Bembecia*— auct., 308  
*Benanderpia* Căpușe, 250  
*Bendis* Hübner, 434  
*Benta* Walker, 292  
*Beproptera* Neave, 398  
*Berdura* Möschler, 270  
*Berresa* Walker, 449  
**BESCIVA** Busck, 255  
**BESMA** Capps, 347  
*Bessula* Grote, 482  
*Bicilia* Amsel, 283  
*Bicondica* Berio, 466  
*Bifalculina* Amsel, 270  
*Bima* Falkovitsch, 249  
**BISELACHISTA** Traugott-Olsen & Nielsen, 247  
**BISTONINI**, 342  
*Biula* Walker, 433  
*Blabophanes* Zeller, 237  
*Blanchardia* Buchecker, 380  
**BLASTOBASIDAE**, 247  
**BLASTOBASINAE**, 248  
**BLASTOBASINI**, 248  
**BLASTOBASIS** Zeller, 248  
*Blastobasoides* McDunnough, 249  
*Blastorasis* Dietz, 248  
*Blastotere* Ratzeburg, 264  
*Blephara* Ochseneimer, 439  
*Blepharidia* Hübner, 439  
*Blepharidia* Hübner, 439  
**BLEPHAROMASTIX** Lederer, 279  
*Blepharonia* Hübner, 439  
*Blepharum* Hübner, 439  
*Blepharum* Hübner, 439  
**BLEPTINA** Guenée, 422  
*Blosyris* Hübner, 434  
*Boarmia* Stephens, 341  
*Boarmia* Treitschke, 339  
**BOARMIINI**, 339  
*Bohatschia* Schütze, 358  
*Bolina* Duponchel, 433  
*Bolina*— auct., 432  
**BOMBYCIDAE**, 389  
**BOMBYCIFORMES**, 389  
**BOMBYCINA**, 336  
*Bombycocera* R. Felder, 315  
**BOMBYCOIDEA**, 389  
**BOMBYX** Linnaeus, 389  
**BOMOLOCHA** Hübner, 425  
**BONCHIS** Walker, 291  
*Boocara* Butler, 246  
*Boremia* Bruand, 357  
*Boreophila* Guenée, 273  
*Borer* Guenée, 289  
*Borolia* Moore, 472  
*Boryzola* Hampson, 434  
**BORYZOPS** Richards, 434  
*Botis* Swainson, 274  
*Botys* Latreille, 274  
*Bourgojneja* Căpușe, 249  
*Bouvierina* Michener, 391  
*Brachiacma* Common, 259  
*Brachiloma* Clemens, 245  
*Brachmia*— auct., 245  
**BRACHYACMA** Meyrick, 259  
*Brachycoryne* Mabilie, 360  
*Brachycosmia* Hampson, 457  
*Brachygonia* Walsingham, 318  
*Brachynota* Boisduval, 402  
*Brachyprota* Warren, 353  
*Brachysymbola* Meyrick, 234  
*Brachytaenia* Stephens, 319  
*Bradynomorpha* Matsumura, 284  
*Bradyepetes* Stephens, 354  
*Bradypetes* Agassiz, 354  
*Braesia* Grote & Robinson, 402  
*Bremeria* Tutt, 361  
**BRENTHIA** Clemens, 311  
**BRENTHIINAE**, 311  
**BREPHIDIUM** Scudder, 377  
*Brevicornutia* Razowski, 335  
*Brochometis* Meyrick, 260  
*Bronchelia* Guenée, 341  
*Brotis* Hübner, 476  
*Brujas* Guenée, 434  
*Brunjia* Pagenstecher, 434  
*Bryocodia* Hampson, 449  
*Bryolencia* Hampson, 455  
*Bryonycta* Boursin, 455  
*Bryophila* Treitschke, 455  
**BRYPHILINI**, 455  
*Bryopsis* Boursin, 455  
**BUCCULATRICIDAE**, 241  
**BUCCULATRIX** Zeller, 241  
**BUCKLERIA** Tutt, 305  
**BULIA** Walker, 433  
*Bullia* Kimball, 433  
*Busckia* Dyar, 265  
*Butalis* Treitschke, 254  
*Buxeta* Walker, 312  
*Byrsoptera* Lower, 318  
*Byssodes* Guenée, 343  
*Byssophaga* Stretch, 413  
*Cabera* Stephens, 343  
**CABERA** Treitschke, 343  
**CABERINI**, 343  
*Cabira* Sodoffsky, 343  
*Cabiuro* Unger, 343  
**CABNIA** Dyar, 304  
*Cacelica* Busck, 254  
*Cachura* Walker, 238  
**CACCHARIS** Walsingham, 319  
*Cacochroea* Lederer, 322  
*Cacoecia* Hübner, 330  
*Cacorista* Warren, 353  
**CACOTHERAPIA** Dyar, 294  
**CACOTHERAPIINI**, 294  
**CACOEZELIA** Grote, 292  
**CACTOBLASTIS** Ragonot, 302  
**CADRA** Walker, 304  
*Caeculia* Herrich-Schäffer, 389  
*Caementa* Hampson, 312  
*Caenipeta* Guenée, 435  
*Caenogenes* Walsingham, 234  
**CAENURGIA** Walker, 437  
**CAENURGINA** McDunnough, 437  
*Calaides* Hübner, 368  
*Calaritania* Mariani, 249  
*Calasymbolus* Grote, 398  
*Calcomarginia* Căpușe, 250  
*Caleophora* Căpușe, 250  
*Calephalis* W. G. Wright, 379  
**CALEPHELIS** Grote & Robinson, 379  
*Calephilis* Kirby, 379  
*Calera* Ragonot, 305  
*Caliades* dos Passos, 368  
**CALIDOTA** Dyar, 419  
*Calionna* Bönninghausen, 400  
*Callaenia* Hübner, 470  
*Callainia* Hübner, 470  
*Callarctia*— auct., 418  
**CALEDAPTERYX** Grote, 336  
*Callepheles* Stichel, 379  
*Callianira* Doubleday & Hewitson, 385  
*Callianira* Hübner, 385  
*Callicolpe* Agassiz, 356  
*Callicarus* Grote, 421  
*Callicista* Grote, 376  
*Callicorus* Kirby, 421  
*Callidryas* Boisduval & Leconte, 372  
**CALLIMA** Clemens, 246  
*Callimorpha*— auct., 414  
**CALLIMORPHINI**, 414  
*Callimosema* Clemens, 322  
*Callinura* Butler, 445  
*Callioma* Rothschild, 400  
*Calliomena* Rothschild & Jordan, 400  
*Calliomena* Walker, 400  
**CALLIONIMA** Lucas, 400  
*Callionime* Lucas, 400  
*Callipareus* 376  
*Callipsyche* Scudder, 374  
*Callixena* Saalmüller, 459  
**CALLIZZIA** Packard, 336  
*Callocera* Grote, 291  
*Callochlora* Packard, 316  
**CALLOPHRYX** Billberg, 375  
**CALLOPISTRIA** Hübner, 459  
**CALLOSAMIA** Packard, 394  
*Calobochyla* Walker, 424  
*Calocalpe* Hübner, 356  
*Calocasia* Hampson, 451  
*Calopistria* Stephens, 459  
**CALOPTILIA** Hübner, 241  
*Calosetia* Stainton, 321  
**CALOSIMA** Dietz, 248  
*Calostinea* Dietz, 235  
*Calothysanis* Hübner, 354  
*Calothysanis*— auct., 354  
**CALPODES** Hübner, 366  
*Calybia* Kirby, 315  
*Calycopis* Scudder, 375  
*Calydia* Bar, 431  
*Calymnia* Hübner, 467  
*Calypotome* Warren, 355  
**CAMERARIA** Chapman, 243  
**CAMPAEA** Lamarck, 345  
**CAMPAEINI**, 345  
*Campometra* Guenée, 435  
*Campogramma*— auct., 356  
*Campogramma*— auct., 357  
*Campolina* Schaus, 357  
*Campylochia* Stephens, 421  
*Campylochila* Agassiz, 421  
**CANARSIA** Hulst, 300  
*Canidia* Grote, 482  
*Canopia* Wileman & South, 309  
*Canthylidia* Butler, 481  
*Capillaria* Haworth, 233  
*Capitaria* Walker, 429  
*Capnodes*— auct., 431  
*Carama* Walker, 313  
*Caramilla* Moore, 437  
*Carbaca* Walker, 269  
*Carbacha* Hampson, 269  
*Carbatina* Meyrick, 260  
*Carbona* Schaus, 465  
**CARECTOCULTUS** A. Blanchard, 285  
**CARIPETA** Walker, 347  
**CARISTANIUS** Heinrich, 297  
*Carmenta* Weymer, 394  
**CARMENTA** H. Edwards, 310  
*Carna* Walker, 260  
*Carneades* Grote, 476  
**CAROLELLA** Busck, 335  
*Carphoxera* Riley, 352  
*Carpocampa* Harris, 326  
*Carpocapsa* Treitschke, 326  
*Carpochena* Falkovitsh, 250  
**CARPOSINA** Herrich-Schäffer, 262  
**CARPOSINIDAE**, 262  
*Cartella* Stephens, 324  
**CARTERIS** Dognin, 423  
*Carthara* Walker, 264  
*Carvanca* Walker, 287  
*Caryolestis* Meyrick, 235  
*Casandria*— auct., 446  
*Casandria*— auct., 446  
*Casape* Walker, 233  
*Casas* Wallengren, 249  
*Casigneta* Wallengren, 249  
*Casignetella* Strand, 249  
**CASSIANA** Heinrich, 300  
*Catabapta* Hulst, 439  
**CATABENA** Walker, 469  
*Catabrachmia* Rebel, 254  
*Catacola* Oken, 439  
*Catacrobasis* Gozmany, 294  
*Catacrysipis* Dietz, 249  
*Catacrysipis* Walsingham, 249  
*Catacteniza* Möschler, 282  
**CATASTEGA** Clemens, 324  
*Catastictis* Gumpfenberg, 337  
*Catastictis* Gumpfenberg, 337  
*Catelaphris* Meyrick, 260  
*Catenina* Burmeister, 417  
*Catharylla* Zeller, 288  
*Cathocida* Hampson, 414  
*Cattia* Godman, 363  
**CATOCALA** Schrank, 439  
**CATOCALINAE**, 427  
*Catocalirrhus* Andrews, 437  
*Catocalla* Hübner, 439  
*Catophaga* Hübner, 369  
*Catoptria* Guenée, 321  
*Catoptristis* Meyrick, 260  
*Catopyrrha* Hübner, 344  
**CAUDELLIA** Dyar, 303  
**CAULARIS** Walker, 456  
*Cauninda* Moore, 438  
**CAUTETHIA** Grote, 402  
*Cautethia* Haxaire & Schmit, 402  
*Cayuga* Hulst, 305  
*Ceara* Ragonot, 305  
**CECHARISMENA** Möschler, 429  
*Cecrops* Hübner, 360  
*Cecropterus* Herrich-Schäffer, 360  
*Celaena* Doubleday, 383  
*Celama* Walker, 447  
**CELASTRINA** Tutt, 378  
*Celeona* Boisduval, 383  
*Celerio* Agassiz, 403  
*Celerio* Oken, 403  
**CELIPTERA** Guenée, 438  
*Celtiphaga* Barnes & Linsley, 387  
*Celyphoides* Obraztsov, 320  
*Cemiotoma* Zeller, 265  
**CEMIOSTOMINAE**, 265  
*Cenopsis* Zeller, 332  
**CEPHITINEA** Zagulajev, 236  
**CEPPHIS** Hübner, 346  
*Ceracampa* Kirby & Spence, 391  
*Cerata* Stephens, 326  
*Ceratamna* Butler, 297  
*Ceratocampa* Harris, 391  
**CERATOCAMPINAE**, 391  
**CERATOMIA** Harris, 397  
**CERATONYX** Guenée, 345  
**CERATOPHAGA** Petersen, 237  
*Ceratophora* Heinemann, 259

- Ceratophyseta* Meyrick, 245  
*Ceratorrhina* Kirby, 333  
**CERCYONIS** Scudder, 388  
*Cericlepta* Sodoffsky, 293  
*Cerita* Walker, 407  
**CERMA** Hübner, 449  
*Cerma*— auct., 455  
*Cerocampa* Boisduval, 391  
*Ceroclastis* Zeller, 241  
*Ceropsina* Rafinesque, 290  
*Cerorrhina* Zeller, 333  
*Cerostoma* Stephens, 263  
**CERURA** Schrank, 406  
*Cerura*— auct., 405  
*Ceruridia* Dyar, 405  
*Cerycangela* Meyrick, 260  
*Chabora* Walker, 431  
**CHAETAGLAEA** Franclemont, 468  
*Chaetoglaea* Rings & Rings, 468  
**CHALCOELA** Zeller, 271  
*Chalinitis* Ragonot, 291  
*Chalybe* Duponchel, 245  
*Chamaepora* Warren, 452  
*Chamaesesia* Grote, 401  
*Chamyris* Guenée, 449  
*Characia* Falkovitsh, 250  
**CHARACOMA** Walker, 446  
**CHARADRA** Walker, 452  
**CHARARICA** Heinrich, 295  
**CHARAXINI**, 386  
*Charema* Moore, 281  
*Chares* Swinhoe, 367  
**Charidryas** Scudder, 385  
*Charus* Moore, 367  
*Cheimatophila* Stephens, 328  
**CHELARIINI**, 259  
**CHILO** Zincken, 289  
**CHILOCAMPYLA** Busck, 242  
*Chilona* Sodoffsky, 289  
**CHILONINI**, 289  
*Chilotraea* Kapur, 289  
*Chilus* Billberg, 286  
**CHIMOPTESIS** Powell, 324  
*Chionoda* Hübner, 257  
**CHIONODES** Hübner, 257  
*Chipeta* Hulst, 305  
*Chipota* Hulst, 305  
*Chlaenogramma* Smith, 396  
**CHLIDANOTINAE**, 335  
*Chlidonia* Hübner, 334  
*Chloridea* Duncan & Westwood, 481  
**CHLOROCHLAMYS** Hulst, 351  
*Chlorocleptia* Hampson, 482  
*Chlorocraspedia* Warren, 355  
**CHLOROPTERYX** Hulst, 352  
**CHLOROSTRYMON** Clench, 374  
**CHLOSYNÉ** Butler, 385  
*Chnoocera* Falkovitsh, 249  
**CHOEPHORA** Grote & Robinson, 480  
*Choerodes* Guenée, 349  
*Chogata* Moore, 341  
*Cholimma* Walker, 424  
*Cholius* Guenée, 267  
*Cholobochyla* Hübner, 424  
*Choranthus* Scudder, 62  
*Choregia* Felder & Rogenhofer, 312  
*Choregia* Zeller, 312  
**CHOREUTIDAE**, 311  
**CHOREUTINAE**, 311  
**CHORISTONEURA** Lederer, 329  
*Chorizagrotis* J. B. Smith, 477  
**CHOROPLECA** Durrant, 236  
**CHORRERA** Dyar, 300  
**CHORTODES** Tutt, 457  
*Chretienia* Spuler, 259  
*Chrosis* Guenée, 334  
**CHRYSAUGINAE**, 291  
**CHRYSENDETON** Grote, 267  
*Chryseudeton* Grote, 267  
*Chrysobotys* Monroe, 277  
**CHRYSOPELEIINAE**, 253  
*Chrysopyga* Herrich-Schäffer, 313  
*Chrysoryctis* Meyrick, 237  
*Chthonogenes* Meyrick, 260  
**CHYTOLITA** Grote, 422  
**CHYTONIX** Grote, 458  
*Chytonyx* Neave, 458  
*Chytoria* Lucas, 449  
*Chytoryza* Grote, 449  
**CICINNUS** Blanchard, 389  
**CIDARIINI**, 356  
*Cilla* Grote, 428  
*Cindaphia* Lederer, 274  
*Ciraphorus*, 275  
*Ciris* Ragonot, 300  
*Cirretaera* Wehrli, 343  
*Cirrhobolina* Dyar, 433  
*Cirrhobolina* Grote, 433  
*Cirrhophanes* J. B. Smith, 467  
**CIRRHOPHANUS** Grote, 467  
**CISSEPS** Franclemont, 420  
**CISSUSA** Walker, 432  
*Cistene* Rings & Rings, 413  
**CISTHENE** Walker, 413  
*Cithaeronia* Agassiz, 391  
**CITHERONIA** Hübner, 391  
*Clanyma* Guenée, 424  
*Clarkeia* Amsel, 270  
*Clarkeiodes* Amsel, 270  
**CLEMENSIA** Packard, 413  
*Cleodora* Stephens, 254  
**CLEORA** Curtis, 341  
*Cleptomita* Grote, 422  
*Clethrogyna* Rambur, 410  
*Cliseocampa* Agassiz, 390  
*Clisiocampa* Curtis, 390  
**CLOSTERA** Samouelle, 404  
**CLYDONOPTERON** Riley, 291  
*Cnephata* Billberg, 455  
*Cnidia* Gumpfenberg, 352  
**COBUBATHA** Walker, 447  
*Cobubatha*— auct., 447  
*Cocastrea* Boisduval, 413  
*Cocceius* Godman & Salvin, 360  
*Coccyx* Treitschke, 326  
*Cochlidion* Hübner, 315  
*Cochlidium* Hübner, 315  
*Cochylchroa* Obraztsov & Swat-schek, 335  
**COCHYLINI**, 334  
**COCHYLIS** Treitschke, 335  
**COCYTIUS** Hübner, 395  
*Codonia* Hübner, 354  
*Coea* Hübner, 386  
*Coeculia* Walker, 389  
*Coelodasy* Packard, 408  
**COELOSTATHMA** Clemens, 334  
*Coementa* Druce, 312  
**COENIPETA** Hübner, 435  
*Coenobita* Gistl, 341  
**COENOCHROA** Ragonot, 304  
*Coenolestes* Whalley, 281  
*Coenopeta* Agassiz, 435  
*Coenostola* Lederer, 281  
*Coenophantes* Hübner, 264  
*Colaenis* Hübner, 380  
*Colaenis*— auct., 380  
**COLEOPHORA** Hübner, 249  
**COLEOPHORIDAE**, 249  
**COLEOPHORINAE**, 249  
**COLEOTECHNITES** Chambers, 255  
**COLIADINAE**, 371  
**COLIAS** Fabricius, 371  
*Coliastes* Hemming, 371  
*Colinita* Busck, 254  
*Colisa* Hübner, 372  
**COLLOMENA** Möschler, 446  
**COLLOMENINI**, 446  
*Colobochila* Agassiz, 424  
**COLOBOCHYLA** Hübner, 424  
**COLOBURINI**, 386  
**COLOCASIA** Ochsenheimer, 451  
**COLOMYCHUS** Munroe, 280  
**COMACHARA** Franclemont, 446  
*Comacla* Walker, 419  
*Cometa* Sodoffsky, 452  
*Comma* Rennie, 381  
**COMPACTA** Amsel, 282  
**COMPOSIA** Hübner, 413  
**CONCANA** Walker, 430  
*Conchia* Hübner, 281  
*Conchylispila* Wallengren, 238  
*Conchylis* Sodoffsky, 335  
**CONCHYLODES** Guenée, 285  
**CONDICA** Walker, 466  
**CONDYLORRHIZA** Lederer, 281  
*Congruia* Dyar, 406  
*Coniodes* Hulst, 342  
*Conopia* Hübner, 309  
**CONTIGER** Lange, 267  
**COPAEODES** Speyer, 363  
*Copidryas* Grote, 456  
*Copihadena* Morrison, 469  
*Copiosmerinthus* Kirby, 398  
*Copipanolis* Grote, 469  
*Copismerinthus* Grote, 398  
**COPIVALERIA** Grote, 469  
*Copocercia* Zeller, 258  
**COPROMORPHOIDEA**, 262  
*Coptocnemia* Zeller, 427  
**COPTODISCA** Walsingham, 233  
*Coptoloma* Lederer, 326  
*Coptotriche* Walsingham, 232  
**CORCYRA** Ragonot, 294  
*Cordillana* Hayward, 363  
*Cordylopeza* Zeller, 291  
*Coremia* Guenée, 357  
*Corethropoea* Falkovitsh, 250  
*Corinea* Walker, 264  
*Corisce* Hübner, 439  
*Coriscium* Zeller, 241  
*Corisee* Walker, 439  
*Cosmulivalvulia* Căpușe, 250  
*Coronta* Walker, 432  
*Corothropoea* Căpușe, 250  
*Corticata* Walker, 446  
**CORTICIVORA** Clarke, 326  
*Corycia* Duponchel, 343  
*Corycia* Hübner, 429  
**CORYPHISTA** Hulst, 356  
*Corythangela* Meyrick, 249  
**COSMIA** Ochsenheimer, 467  
*Cosmocreon* Warren, 273  
*Cosmodesmus* Haase, 369  
*Cosmophila* Boisduval, 429  
**COSMOPTERIGIDAE**, 251  
**COSMOPTERIGINAE**, 251  
**COSMOPTERIX** Hübner, 251  
*Cosmopteryx* Chambers, 251  
*Cosmopteryx* Zeller, 251  
**COSMOSOMA** Hübner, 420  
**COSSIDAE**, 313  
**COSSIFORMES**, 313  
**COSSINA**, 313  
**COSSINAE**, 314  
**COSSOIDEA**, 313  
**COSSULA** Bailey, 314  
**COSSULINAE**, 314  
*Costaconvexa* Agenjo, 357  
**COSTACONVEXA** Agenjo, 357  
*Costria* Schaus, 314  
*Cosymbia* Hübner, 354  
**COSYMBIINI**, 353  
*Cothocida* Walker, 414  
*Cotyloscia* Meyrick, 260  
**COXINA** Guenée, 435  
**CRAMBIDIA** Packard, 413  
*Crambidiatraea* Box & Capps, 289  
**CRAMBINAE**, 286  
**CRAMBINI**, 286  
**CRAMBININA**, 267  
**CRAMBUS** Fabricius, 286  
*Crasimetus* Meyrick, 307  
*Craspedia* Hübner, 354  
*Creagria* Sodoffsky, 263  
**CREMASTOBOMBYCIA** Braun, 242  
*Crenis* Boisduval, 385  
*Crenis* Hübner, 380  
*Crenudia* Burmeister, 391  
*Cressonia* Grote & Robinson, 399  
*Cricotechna* Falkovitsh, 249  
*Crobitophora* Obraztsov, 326  
*Crobylphora* Kennel, 326  
*Crocata* auct., 414  
*Crochiphora* Hübner, 438  
**CROCIDOCNEMIS** Warren, 277  
**CROCIDOMERA** Zeller, 295  
**CROCIDOPHORA** Lederer, 271  
**CROCIDOSEMA** Zeller, 324  
*Crocidosoma* Walker, 324  
*Crocota*— auct., 414  
*Croesia* Fernald, 327  
**CROESIA** Hübner, 327  
*Croesopola* Meyrick, 260  
*Cronospileia* Hübner, 437  
*Crossophora* Möschler, 283  
*Crymona* Walker, 423  
**CRYPHIA** Hübner, 455  
**CRYPTASPASMA** Walsingham, 318  
**CRYPTOBOTYS** Munroe, 284  
**CRYPTOTHELEA** Duncan, 239  
*Csopula* Fischer von Roslerstamm, 354  
*Ctenioxena* Myerick, 244  
**CTENOPLUSIA** Dufay, 443  
**CTENUCHINAE**, 420  
**CTENUCHININA**, 420  
*Cuba* Dyar, 296  
**CUCULLIA** Schrank, 470  
**CUCULLIINAE**, 468  
**CUCULLIINI**, 470  
*Cuphana* Hübner, 472  
*Curtella* Stainton, 324  
*Curvatula* Staudinger, 448  
*Cuspidea* Chapman, 452  
**CUTINA** Walker, 437  
*Cyane* Chambers, 236  
*Cyaniris*— auct., 378  
*Cyathissa* Grote, 467  
*Cyclara* Schaus, 313  
**CYCLARGUS** Nabokov, 378  
**CYCLOPHORA** Hübner, 354  
**CYCLOPLASIS** Clemens, 265  
*Cyclopteryx* Packard, 316  
**CYCNA** Hübner, 419  
*Cynodia* Herrich-Schäffer, 247  
**CYDIA** Hübner, 326  
**CYDOSIA** Westwood, 447  
**CYDOSIINI**, 447  
**CYLLOPSIS** R. Felder, 387  
**CYMAENES** Scudder, 362  
*Cymatidia* Sodoffsky, 354  
*Cymatoides* Agassiz, 354  
*Cymatophora* Hübner, 339  
**CYMATOPHORA** Hübner, 345  
*Cymatoplex* Meyrick, 260  
*Cymatoplicella* Fletcher, 260

- Cymotricha* Meyrick, 260  
*Cynotes* Walsingham, 248  
*Cynthia* Fabricius, 381  
*Cyphocampa* Harris, 456  
*Cyphonoa* Agassiz, 473  
*Cyphophora* Herrich-Schäffer, 251  
*Cyptasia* Walker, 312  
*Cyrrhesta* Walker, 406  
*Cysteophora* Hulst, 353  
*Cysteoteryx* Hulst, 358  
*Cytorus* Grote, 414  
*Dacira* Walker, 467  
**DIACNONYPHA**, 231  
*Daemonarcha* Meyrick, 260  
**DAHANA** Grote, 420  
*Dakruma* Grote, 302  
*Damophila* Curtis, 249  
*Danaida* Latreille, 379  
**DANAINAE**, 379  
**DANAINI**, 379  
*Danaïs* Latreille, 379  
*Danaus* Kluk, 379  
*Danaus* Latreille, 379  
**DANAUS** Kluk, 379  
*Daphnis* Hübner, 401  
*Dapsilia* Hübner, 334  
**DARAPSA** Walker, 402  
*Daremma* Walker, 397  
**DASYCHIRA** Hübner, 409  
**DASYLOPHIA** Packard, 406  
*Dasyvoudaea* J. B. Smith, 482  
**DATANA** Walker, 404  
*Daulia* Walker, 234  
**DAULIA** Walker, 285  
**DAVARA** Walker, 296  
*Davisia* Barnes & McDunnough, 290  
*Deba* Walker, 281  
*Decadarchis* Meyrick, 235  
**DECANTHA** Busck, 246  
*Decthiria* Beirne, 231  
**Deciduphagus** Johnson, 375  
**DEIDAMIA** Clemens, 402  
*Deilinea* Holland, 343  
*Deilinia* Hübner, 343  
*Deilonche* Grote, 403  
*Deimnestra* Meyrick, 260  
*Deinopalpus* Holland, 429  
*Deinopygia* Warren, 353  
*Deiopeia* Curtis, 414  
*Delta*— auct., 458  
*Deltolophos* Janse, 260  
**DELTOPHORA** Janse, 256  
*Demas* Staphens, 451  
*Dendroneura* Walsingham, 238  
*Deobriga* Walker, 467  
**DEPRESSARIA** Haworth, 244  
**DEPRESSARIINAE**, 244  
**DEPRESSARIINI**, 244  
*Deptalia* Hulst, 353  
*Dercetis* Grote, 424  
*Derchis* Walker, 233  
*Deremma* Walker, 429  
**DERRIMA** Walker, 480  
**DESMIA** Westwood, 278  
*Desmophora* Stephens, 451  
*Desmophylax* Meyrick, 260  
**DESTUTIA** Grossbeck, 347  
*Deuterolia* Dyar, 286  
**DEUTEROLLYTA** Lederer, 292  
*Deuteronomos* Prout, 345  
**DEUTEROPHYSA** Warren, 276  
*Deva* Walker, 429  
*Diachalastis* Meyrick, 236  
**DIACHORISIA** Clemens, 235  
**DIACHRYSLA** Hübner, 444  
*Diachryslia*— auct., 443  
**DIACME** Warren, 276  
*Diactinia* Warren, 356  
*Diadema* Boisduval, 382  
*Diaethria*, 62  
*Diallagma* J. B. Smith, 428  
*Dianasa* Walker, 312  
*Diapera* Hampson, 427  
*Diaphania* Stephens, 280  
**DIAPHANIA** Hübner, 280  
**DIAPHANTANIA** Möschler, 276  
*Diaphantia* Wolcott, 276  
*Diaphthirusa* Hübner, 235  
*Diaprya* Turner, 308  
*Diaraetria* Grote, 289  
**DIASEMIODES** Munroe, 278  
**DIASEMIOPSIS** Munroe, 278  
*Diasemodes* Rings & Rings, 278  
*Diasemoides* Kimball, 278  
*Diasemopsis* Kimball, 278  
**DIATEMA** Guenée, 449  
*Diastichtis* Forbes, 283  
*Diastictis* Hübner, 337  
**DIASTICTIS** Hübner, 283  
**DIATAGA** Walsingham, 236  
**DIATHRAUSTA** Lederer, 279  
**DIATRAEA** Guiling, 289  
*Diatraenopsis* Dyar & Heinrich, 289  
*Diatraenopsis* Dyar & Heinrich, 289  
*Diatraerupa* Schaus, 289  
*Diatrea* Guiling, 289  
*Dicentria* Herrich-Schäffer, 408  
*Dicentria*— auct., 409  
**DICEPOLIA** Snellen, 269  
*Dicestra* McDunnough, 470  
*Dichocropsis* Dyar, 281  
*Dichocropsis* Munroe, 281  
**DICHOGAMA** Lederer, 269  
**DICHOGAMINAE**, 269  
**DICHOMERIDINAE**, 259  
**DICHOMERIS** Hübner, 260  
**DICHORDA** Warren, 351  
**DICHRORAMPHA** Guenée, 325  
*Dichroramphodes* Obratzov, 325  
*Dicopis* Grote, 469  
*Dicranaspis* Mabilie, 359  
*Dicraniana* Diakonoff, 326  
**DICRANOCETES** Braun, 247  
*Dicranoura* Berthold, 406  
*Dicranura* Reichenbach, 406  
*Dicranura*— auct., 406  
*Dicrorampha* Westwood, 325  
*Dicte* Chambers, 233  
**DICYMOLOMIA** Zeller, 270  
**DIDASYS** Grote, 420  
*Dieneces* Butler, 402  
*Dietzea* Schütze, 358  
**DIGRAMMIA** Gumpfenberg, 338  
*Dilina* Agassiz, 343  
*Dilina* Dalman, 398  
*Dilinia* Hampson, 343  
*Dilonche* Kirby, 403  
*Dilophonota* Burmeister, 399  
**DILOPHONOTINI**, 399  
*Diludia* Grote & Robinson, 396  
*Dimya* Moore, 456  
*Diogas* d'Almeida, 379  
*Dione*— auct., 380  
*Diopaea* Burmeister, 414  
**DIORYCTRIA** Zeller, 298  
*Diphryx* Grote, 289  
*Diptera* Stephens, 430  
**DIPHTHERA** Hübner, 430  
*Diphthera*— Hampson, 451  
**DIPLOSCHIZIA** Heppner, 263  
*Dipterygia* Agassiz, 458  
**DIRADES** Walker, 336  
*Directis* Dyar, 424  
**DISCESTRA** Hampson, 470  
**DISCLISOPROCTA** Wallengren, 357  
**DISFURCULA** Davis, 231  
*Disocnemis* Grote, 481  
*Disthymia* Hübner, 245  
**DITRYSIA**, 233  
**DIVIANA** Ragonot, 300  
**DIVITIACA** Barnes & McDunnough, 300  
**DOLBA** Walker, 396  
**DOLICHOMIA** Ragonot, 290  
*Dolichorrhina* Ragonot, 300  
*Dolichosticha* Meyrick, 284  
**DONACAULA** Meyrick, 285  
*Donacivola* Busck, 247  
*Donochlora* Sodoffsky, 472  
*Dorycampa* Duncan, 391  
**DORYODES** Guenée, 439  
*Dosa* Walker, 429  
*Dosithea* Duponchel, 354  
*Dosithoea* Rambur, 354  
*Doxosteres* Meyrick, 306  
**DRASTERIA** Hübner, 433  
**DRAUDTIA** Barnes & Benjamin, 467  
**DREPANIDAE**, 388  
**DREPANINAE**, 388  
*Drepanodes* Guenée, 349  
**DREPANOIDEA**, 388  
*Drucea* Kirby, 421  
**DRYADULA** Michener, 380  
**DRYAS** Hübner, 380  
*Drycoetis* Hübner, 339  
**DRYMOANA** Heppner, 263  
**DRYOCAMPA** Harris, 392  
*Dryocoetis* Hübner, 339  
*Dryope* Chambers, 249  
*Dryoperia* Coolidge, 249  
*Dryopteris* Grote, 388  
*Ductispira* Căpușe, 250  
*Dumitrescumia* Căpușe, 250  
**DUOSPINA** Hodges, 250  
*Dupo* Hübner, 401  
*Durdara* Moore, 266  
*Durrantia* Razowski, 335  
*Duvita* Busck, 258  
*Dyachryslia* Geyer, 444  
**DYPTERYGIA** Stephens, 458  
*Dyscymatoge* Hübner, 358  
*Dysenius* Scudder, 359  
**DYSERIOCRANIA** Spuler, 231  
*Dysethia* Hulst, 358  
**DYSGONIA** Hübner, 437  
*Dysmigia* Warren, 337  
*Dysmigia* Warren, 337  
*Dysneptula* Börner, 231  
*Dysocnemis* Grote, 481  
**DYSODIA** Clemens, 266  
**DYSPTERIS** Hübner, 358  
*Dystinea* Börner, 236  
**EACLES** Hübner, 391  
*Earophila* Gumpfenberg, 357  
*Eccopsia* Hulst, 303  
**ECCRITOTHRIX** Bradley & Hinton, 237  
**ECDYTOLOPHA** Zeller, 327  
*Ecdytophila* Fracker, 327  
*Ecebalia* Căpușe, 250  
*Echidna* Hübner, 394  
*Echinargus* Nabokov, 378  
*Eclectis* Hübner, 327  
**ECLIPTOPERA** Warren, 356  
*Ecnomidea* Westwood, 315  
*Ecnomidia* Dyar, 315  
*Econista* Covell, 339  
*Ecantheria* Hübner, 417  
*Ecregma* Walker, 427  
*Ecthetis* Hübner, 449  
**ECTOEDEMIA** Busck, 231  
**ECTOMYELOIS** Heinrich, 295  
**ECTROPIS** Hübner, 341  
*Ectypa* Billberg, 437  
*Eddara* Walker, 234  
*Edema* Walker, 406  
*Ederesa* Curtis, 264  
*Edosa* Walker, 236  
*Edule*— auct., 358  
**EDULINI**, 358  
*Egabra* Walker, 345  
*Egesta* Ragonot, 270  
*Eggya* Walker, 447  
**EGIRA** Duponchel, 473  
*Egrylon* J. B. Smith, 431  
**EIDO** Chambers, 246  
*Eidothea* Chambers, 255  
*Eidothoa* Chambers, 255  
*Elachista* Kollar, 247  
**ELACHISTA** Treitschke, 247  
**ELACHISTIDAE**, 247  
**ELACHISTINAE**, 247  
**ELAPHRIA** Hübner, 465  
**ELASMOPALPUS** Blanchard, 299  
*Elatina* Duponchel, 451  
*Eleale* Walker, 445  
**ELECTROSTRYMON** Clench, 377  
*Eleucopaeus* D'Abbrera, 392  
*Ellema* Clemens, 398  
**ELLIDA** Grote, 405  
*Elocussa* Walker, 427  
**ELOUSA** Walker, 434  
*Elpis* Dyar, 415  
*Elpiste* Gumpfenberg, 337  
*Elygea* Billberg, 429  
**ELYMIINI**, 387  
**EMARGINEA** Guenée, 467  
*Embola* Walsingham, 265  
*Emboloeica* Hampson, 457  
*Emeralda* Diakonoff, 328  
**EMMELINA** Tutt, 307  
*Empretia* Clemens, 317  
*Empyrenma* Fine, 420  
**EMPYREUMA** Hübner, 420  
*Empyrrhoglossum* Bönninghausen, 400  
*Enaemia* Zeller, 312  
*Encelis* Stephens, 325  
**ENCONISTA** Lederer, 339  
*Endolopia* Hampson, 269  
*Endopisa* Guenée, 326  
**ENDOPIZA** Clemens, 318  
*Endopsia* auct., 326  
**ENDOTHENIA** Stephens, 318  
*Enerythra* Kirby, 417  
**ENIGMOGRAMMA** Lafontaine & Poole, 442  
*Ennichia* Duponchel, 272  
**ENNOMINAE**, 337  
**ENNOMINI**, 345  
**ENNOMOS** Treitschke, 345  
*Ennychia* Treitschke, 272  
**ENODIA** Hübner, 387  
*Enome* Walker, 411  
*Entelia* Lower, 445  
**ENTEUCHA** Meyrick, 232  
**ENYO** Hübner, 401  
*Eodiatraea* Box, 289  
**EOPARAGYRACTIS** Lange, 269  
**EOREUMA** Ely, 289  
**EPARGYREUS** Hübner, 359  
*Epeleustria* Hübner, 244  
*Epelis* Hulst, 337  
**EPERMENIIDAE**, 262  
*Ephesia* Hübner, 439  
**EPHESTIA** Guenée, 303  
**EPHESTIODES** Ragonot, 303  
*Ephiphys* Evans, 365  
*Ephippiphora* Duponchel, 326  
*Ephyra* Duponchel, 354



- EPHYRIADES** Hübner, 360  
**EPHYRODES** Guenée, 431  
*Epia* Hübner, 470  
**EPIBLEMA** Hübner, 322  
**EPICALINI**, 385  
*Epicallima* Dyar, 246  
*Epicharis* Hübner, 324  
*Epicharta* Meyrick, 260  
*Epicnaptera* Rambur, 390  
*Epicnapteryx* Bang-Haas, 390  
**EPICORSIA** Hübner, 271  
*Epicorthylis* Zeller, 260  
*Epidelta* Nye, 422  
*Epidictica* Turner, 312  
**EPIDROMIA** Guenée, 432  
*Epigritia* Dietz, 249  
*Epilegis* Dietz, 237  
**EPIMECIS** Hübner, 341  
*Epimima* Meyrick, 284  
**EPIMORIUS** Zeller, 294  
*Epimoryctis* Meyrick, 246  
**EPINA** Walker, 289  
**EPINOTIA** Hübner, 324  
*Epinotis* Kearfott, 324  
*Epipages* Hampson, 277  
**EPIPAGIS** Hübner, 277  
**EPIPASCHINAE**, 292  
*Epiphyes* Dyar, 365  
**EPIPLEMA** Herrich-Schäffer, 336  
**EPIPLEMIDAE**, 336  
**EPIPYROPIDAE**, 317  
*Epipyrops* Westwood, 317  
*Episigma* Hübner, 320  
**EPISEMASIA** Hulst, 344  
*Episibine* Dyar, 317  
**EPISIMUS** Walsingham, 319  
*Epistetus* Walsingham, 248  
*Epistor* Boisduval, 401  
*Epitamyrus*— auct., 291  
*Epitomiptera* Kaye, 424  
*Epizeuxis* Hübner, 421  
*Epizeuxis*— McDunnough, 422  
*Eporgastis* Meyrick, 260  
*Eques* Kirby, 367  
**ERALEA** Hodges, 252  
*Erasta* Gistl, 411  
*Erastria* Hübner, 354  
**ERASTRIA** Hübner, 344  
**ERCTA** Walker, 275  
*Ereboscaea* Meyrick, 260  
*Erebus*— auct., 434  
**ERECHTHIAS** Meyrick, 235  
**ERECHTHIINAE**, 235  
*Erechtias* Ghesquière, 235  
**ERELIEVA** Heinrich, 304  
**Eresia** Boisduval, 384  
*Ereunetis* Meyrick, 235  
*Ergatis* Heinemann, 254  
*Erichila* Billberg, 426  
*Eridamus* Burmeister, 359  
*Erinaea* Meyrick, 324  
*Erineda* Busck, 246  
*Erinnis* Carcasson, 399  
*Erinnyis* Hübner, 399  
*Eriocolias* Watson, 371  
**ERIOCRANIELLA** Viette, 231  
**ERIOCRANIDAE**, 231  
**ERIOCRANIOIDEA**, 231  
*Eriopus* Treitschke, 459  
**ERIOPYGINI**, 473  
*Eriopyrrha* Meyrick, 312  
*Eriphia* Chambers, 253  
*Erminea* Haworth, 264  
*Erminea* Kirby & Spence, 326  
*Erminia* Obraztsov, 326  
*Eromene* Hübner, 288  
*Eromene* Hübner, 449  
*Erota* Walker, 275  
*Erruca* Walker, 420  
*Eruca* Edwards, 391  
*Erycides* Hübner, 359  
*Erynnides* Burns, 361  
*Erynnis* Bellotti & Arias, 399  
**ERYNNIS** Schrank, 361  
*Esotria* Hübner, 382  
**ESPISCARDIA** Ragonot, 236  
**ESTIGMENE** Hübner, 415  
*Eteobalea* Hodges, 252  
**ETHELGODA** Heinrich, 326  
**ETHMIA** Hübner, 245  
**ETHMIINAE**, 245  
*Ethnistis* Lederer, 291  
**ETIELLA** Zeller, 297  
**EUACIDALIA** Packard, 352  
**EUAGROTIS** McDunnough, 478  
*Eualabama* Grote, 430  
**EUBAPHE** Hübner, 358  
*Eubaphe*— auct., 414  
**EUBLEMMA** Hübner, 449  
**EUBLEMMINI**, 449  
*Eubolepia* Dietz, 248  
*Eucalia* C. Felder, 382  
*Eucalimia* Hübner, 470  
*Eucalyptia* Morrison, 428  
*Eucardinia* Dyar, 296  
**EUCATAGMA** Busck, 264  
*Eucatoptus* Walsingham, 254  
*Eucelis* Caradja, 325  
*Eucelis* Hübner, 325  
*Eucereon*— auct., 420  
*Eucestis* Hübner, 242  
**EUCHAETES** Harris, 419  
*Euchaetias* Lyman, 419  
*Euchelia* Boisduval, 414  
*Eucheryx* Boisduval, 400  
*Euchiradia* Hübner, 262  
**EUCHLAENA** Hübner, 344  
*Euchlodon* Hübner, 344  
*Euchoetes* auct., 419  
*Euchromia* Neumoegen & Dyar, 392  
**EUCHROMIUS** Guenée, 288  
*Euchronia* Packard, 392  
*Euchrostes* Gumpenberger, 351  
*Euchrostis* Zeller, 351  
*Eucirrhoedia* McDunnough, 468  
**EUCIRROEDIA** Grote, 468  
**EUCLEA** Hübner, 316  
**EUCLEMENSIA** Grote, 251  
*Euclidia* Hübner, 482  
**EUCLIDIA** Ochsenheimer, 437  
*Euclidina* McDunnough, 437  
*Euclimacia* Jordan, 312  
*Euclytia* Hübner, 290  
**EUCOPTOCNEMIS** Grote, 476  
*Eucora* Hübner, 439  
*Eucordylea* Dietz, 255  
**EUCOSMA** Hübner, 321  
*Eucosmia* Stephens, 356  
**EUCOSMINI**, 320  
*Eucosmoides* Obraztsov, 321  
**EUCROSTES** Hübner, 351  
*Eucrostis* Hübner, 351  
*Eucymatoge* Hübner, 358  
*Eudamus* Swainson, 359  
**EUDEILINIA** Packard, 388  
*Euderaea* Hübner, 470  
*Eudiopetes* Saunders, 280  
*Eudipna* Walker, 435  
**EUDOCIMA** Billberg, 429  
**EUDONIA** Billberg, 267  
*Eudopisa* Desmarest, 326  
*Eudoptis* Hübner, 280  
*Eudorea* Curtis, 267  
*Eudoria* Chapman, 267  
**EUDRYAS** Boisduval, 455  
**EUEANA** Prout, 351  
**EUERYTHRA** Harvey, 417  
*Eueuphyra* Packard, 354  
*Eufitchia* Packard, 337  
*Eufitchia* Packard, 337  
*Eugivira* Schaus, 314  
*Euglyphia* Hübner, 430  
*Euglyphus* Billberg, 386  
*Eugonia* Hübner, 345  
*Eugonia* Hübner, 381  
*Eugrotea* Fernald, 286  
**EUHAGENA** H. Edwards, 308  
*Euherrichia* Grote, 459  
*Euhypena* Grote, 425  
*Eulaphygma* Butler, 460  
**EULEPIDOTIS** Hübner, 431  
*Eulepidotus* Herrich-Schäffer, 431  
*Eulepiste* Walsingham, 234  
**EULEPTE** Hübner, 279  
*Euleucophaeus* Packard, 392  
*Euleucyptera* Grote, 482  
*Eulintneria* Grote, 424  
**EULITHIS** Hübner, 356  
**EULOGIA** Heinrich, 303  
*Eulonche* Grote, 452  
*Eulypa* Hübner, 356  
*Eulype* Hübner, 356  
**EUMACARIA** Packard, 337  
**EUMACRODES** Warren, 352  
**EUMAEINI**, 374  
*Eumaenas* Hampson, 429  
**EUMAEUS** Hübner, 374  
*Eumallopoda* Wallengren, 308  
*Eumargareta* Grote, 386  
*Eumarissa* Clarke, 324  
**EUMAROZIA** Heinrich, 319  
*Eumelia* Neumoegen, 405  
*Eumenia* Godart, 374  
*Eumestleta* Butler, 449  
*Eumetopona* Fitch, 404  
*Eumeyrickia* Busck, 246  
*Eumicremma* Berio, 449  
**EUMORPHA** Hübner, 401  
*Eunemoria* Packard, 350  
*Eunemoria* Packard, 351  
*Eunetis* Hübner, 439  
**EUNICA** Hübner, 385  
*Unice* Geyer, 385  
*Eumystalea* Grote, 406  
*Euota* Hübner, 263  
*Eupalia* Walker, 317  
*Eupanychis* Grote, 482  
*Euparolia* Dyar, 286  
**EUPARTHENOS** Grote, 437  
*Euphanessa* Packard, 358  
*Euphasia* Stephens, 451  
*Euphenolia* Grossbeck, 353  
*Euphia* Hübner, 356  
*Euphoeades* Hübner, 368  
**EUPHYES** Scudder, 364  
*Eupista* Hübner, 249  
*Eupisteria* Boisduval, 337  
**EUPITHECIA** Curtis, 358  
**EUPITHECINI**, 358  
**EUPLEXIA** Stephens, 458  
*Eupoeya* Packard, 315  
*Eupolemarcha* Meyrick, 271  
**EUPRAGIA** Walsingham, 244  
*Eupretia* Wlk., 317  
**EUPRORA** Busck, 264  
*Euproteodes* Viette, 247  
**EUPSEUDOSOMA** Grote, 420  
*Eupsyche* Scudder, 376  
**EUPTOIETA** Doubleday, 384  
*Euptychia*— auct., 387  
*Euptychia*— auct., 387  
*Euptychia*— auct., 387  
*Euptychia*— auct., 387  
**EUPTYCHINI**, 387  
*Euptychopoda* Prout, 352  
**EUPYRRHOGLOSSUM** Grote, 400  
*Euralia* Westwood, 382  
**Eurema** Hübner, 373  
**EUREMA** Hübner, 373  
*Euresia* Dietz, 248  
*Eurhipia* Boisduval, 445  
*Eurimene* Rondani, 347  
**EURISTRIMON** Clench, 376  
*Eurobatodes* Wehrli, 339  
*Eurois* Hübner, 62  
**EURRHYPARODES** Snellen, 276  
*Eurycreon* Lederer, 273  
*Euryda* Herrich-Schäffer, 315  
*Eurymene* Duponchel, 347  
*Eurymus* Horsfield, 371  
*Eurynome* Chambers, 265  
*Euryptychia* Clemens, 322  
*Eurysara* Turner, 260  
*Eurystrymon* Tilden & Smith, 376  
**EURYTHMIA** Ragonot, 304  
**EURYTIDES** Hübner, 369  
*Euryzancla* Turner, 260  
**EUSARCA** Hübner, 348  
*Euschirrhopterus* Kirby, 456  
*Euschirrhopterus* Hampson, 456  
**EUSCIRRHOPTERUS** Grote, 456  
*Eusenea* Walker, 345  
*Eusmerinthus* Grote, 398  
*Euspila* Stephens, 326  
*Euspilapteryx* Spuler, 242  
*Euspilopteryx* Zeller, 242  
*Eustaintonia* Spuler, 250  
*Eustales* Clemens, 268  
*Eustegnia* Hübner, 467  
**EUSTIXIA** Hübner, 269  
**EUSTROTIINI**, 447  
**EUTELIA** Hübner, 445  
**EUTELIINAE**, 445  
*Eutesia* Hübner, 445  
*Euthales* Hübner, 455  
*Eutheca* Grote, 234  
*Euthermesia* Butler, 431  
*Euthisanotia* Hübner, 474  
*Euthisanotia*— auct., 455  
**EUTHYATIRA** J. B. Smith, 388  
*Euthymus* Scudder, 363  
*Eutolyte* Grote, 469  
*Eutoreuma* Grote, 427  
**EUTRAPELA** Hübner, 348  
*Eutrichodes* Warren, 290  
*Eutriphosa* Gumpenberger, 356  
*Eutropa* Hübner, 337  
*Euvalva* Amsel, 279  
*Euvanessa* Scudder, 381  
**Euxoa** Hübner, 477  
**EUXOA** Hübner, 476  
**EUZOPHERA** Zeller, 302  
*Euzophora* auct., 302  
*Evagora* Clemens, 255  
**EVERES** Hübner, 378  
**EVERGESTELLA** Munroe, 271  
**EVERGESTINAE**, 271  
**EVERGESTIS** Hübner, 271  
**EVERINI**, 378  
*Eversmannia* Staudinger, 336  
*Evertia* Matsumura, 320  
*Evetria* Hübner, 324  
*Evetria*— auct., 320  
*Evexia* Gistl, 232  
*Eviplera* Walker, 336  
**EVIPPE** Chambers, 255  
*Evonyma* Hübner, 385  
*Exala* Meyrick, 238  
*Exarnis* Hübner, 476  
*Exartema* Clemens, 320  
*Exedrium* Grote, 398

- EXELASTIS** Meyrick, 306  
**EXELIS** Guenée, 339  
*Exentera* Grote, 321  
*Exentera*– auct., 323  
*Exenterella* Grote, 321  
**EXOTELEIA** Wallengren, 255  
**XYRA** Grote, 444  
*Fabatana* Walker, 291  
**FAGITANA** Walker, 459  
*Falcimorpha* Amsel, 276  
*Falkovitshia* Căpușe, 249  
*Fallcapica* Klotz, 371  
*Falx* Amsel, 276  
*Farnia* Walker, 266  
**FARONTA** J. B. Smith, 471  
**FASCISTA** Busck, 258  
*Fatua* H. Edwards, 308  
*Faunia* Poe, 385  
*Felderia* Walsingham, 234  
**FELTIA** Walker, 476  
**FENISECA** Grote, 374  
*Fentonia*– auct., 406  
**FERALIA** Grote, 469  
**FERALIINI**, 469  
*Fernaldia* Grote, 236  
*Festivus* Crotch, 379  
*Fidonia* Herrich-Schäffer, 337  
**FILATIMA** Busck, 257  
**FISSICRAMBUS** Bleszynski, 287  
**FIXSENIA** Tutt, 376  
*Flavala* Berio, 448  
**FOCILLIDIA** Hampson, 437  
**FRAMINGHAMIA** Strand, 283  
**FRANCLEMONTIA** Ferguson, 457  
*Fredericina* Tutt, 306  
*Frederickoenigia* Căpușe, 249  
*Friesia* Barnes & McDunnough, 425  
**FRUMENTA** Busck, 256  
**FRUVA** Grote, 450  
**FULGORAECIA** Newman, 317  
**FUMBOTYS** Monroe, 272  
**FUNDELLA** Zeller, 296  
**FURCULA** Lamarck, 405  
*Fusadonta* Matsumura, 405  
**GABARA** Walker, 428  
*Gaberasa* Walker, 424  
*Gadera* Walker, 429  
*Gaea* Beutenmüller, 308  
*Gaesa* Walker, 260  
**GALACTICINAE**, 311  
**GALASA** Walker, 291  
**GALGULA** Guenée, 466  
**GALLERIA** Fabricius, 293  
**GALLERIINAE**, 293  
**GALLERIINI**, 293  
*Ganoris* Dalman, 370  
*Gaphara* Walker, 466  
*Gargantua* Kirby, 397  
*Gargaza* Walker, 460  
*Gasina* Walker, 313  
**GASTROPACHINAE**, 389  
*Gauris* Hübner, 312  
*Gazaca* Walker, 291  
**GELECHIIDAE**, 254  
**GELECHINAE**, 254  
**GELECHINI**, 254  
**GELECHIOIDEA**, 244  
**GEOMETRIDAE**, 336  
**GEOMETRINAE**, 350  
**GEOMETROIDEA**, 336  
*Georyx* Hübner, 474  
**GERDANA** Busck, 248  
*Gerespa* Walker, 432  
*Geris* Walker, 437  
*Gerisa* Walker, 431  
**GESHNA** Dyar, 276  
*Gillmeria* Tutt, 306  
*Girtexia* Swinhoe, 285  
*Gisira* Walker, 423  
**GIVIRA** Walker, 314  
*Gladela* Grossbeck, 338  
*Glaphria* Fernald, 270  
*Glaphyra* Guenée, 449  
**GLAPHYRIA** Hübner, 270  
**GLAPHYRIINAE**, 269  
*Glaseria* Căpușe, 249  
**GLAUCE** Chambers, 255  
**GLENA** Hulst, 339  
**GLENOIDES** McDunnough, 339  
*Globulia* Căpușe, 250  
*Gloce* Neave, 428  
*Gloee* Hübner, 428  
*Gloia* Hübner, 437  
**GLOSSATA**, 231  
*Glossecia* Hampson, 308  
**GLOTTULINI**, 474  
**GLUPHISIA** Boisduval, 405  
*Glutophrissa* Butler, 369  
**GLYMPIS** Walker, 427  
*Glyphidia* Agassiz, 405  
**GLYPHIDOCERA** Walsingham, 247  
**GLYPHIDOCERINI**, 247  
*Glyphiptera* Duponchel, 328  
**GLYPHIPTERIGIDAE**, 263  
**GLYPHIPTERIGINAE**, 263  
**GLYPHIPTERIX** Hübner, 263  
*Glyphipteryx* Christoph, 263  
*Glyphipteryx* Zeller, 263  
*Glyphiptoryx* Mann & Rogenhofer, 263  
*Glyphisia* Stephens, 328  
*Glyphiteryx* Fischer von Röslerstamm, 263  
**GLYPHODES** Guenée, 280  
*Glyphopteryx* Herrich-Schäffer, 263  
*Glyphpteryx* Turati, 263  
*Glyphpteryx* Watt, 263  
*Glyphyteryx* Hampson, 263  
**GLYPTOCERA** Ragonot, 297  
*Gnidia* Gumpfenberg, 352  
**GNORIMOSCHEMA** Busck, 256  
*Gomphocrates* Meyrick, 260  
*Gonenyo* Rothschild, 403  
*Gonepteryx*– auct., 372  
*Goniacidalia* Packard, 352  
*Gonilythria* Gumpfenberg, 337  
**GONIOTERMA** Walsingham, 246  
*Gonitis* Guenée, 429  
*Goniurus* Hübner, 359  
**GONOCAUSTA** Lederer, 275  
*Gonodes* Hampson, 466  
**GONODES** Druce, 466  
**GONODONTA** Hübner, 429  
*Gonodontis*– auct., 346  
*Gonopionea* Hampson, 276  
*Gonopteronia* Bethune-Baker, 429  
*Gonotis* Moore, 429  
**GORGYTHION** Godman & Salvin, 360  
*Gortyna*– auct., 457  
**GOYA** Ragonot, 305  
*Gracilaria* Zeller, 241  
*Gracilaria* Haworth, 241  
**GRACILLARIIDAE**, 241  
**GRACILLARIIFORMES**, 241  
**GRACILLARIINAE**, 241  
*Graeperia* Grote, 450  
*Grammatophora* Stephens, 337  
*Grammatophora* Stephens, 337  
**GRAMMIA** Rambur, 418  
*Grammodia* Rothschild & Jordan, 400  
*Grammophora* Guenée, 455  
*Grammorhoe* Herbulot, 357  
**GRAPHIINI**, 369  
*Graphium*– auct., 369  
**GRAPHOLITA** Treitschke, 326  
*Grapholitha* Treitschke, 326  
*Grapta* Kirby, 381  
*Graptolitha* Hübner, 468  
*Greta*, 62  
**GRETCHENA** Heinrich, 323  
*Gretchina* Forbes, 323  
*Grossophora* Munroe, 283  
*Grotea* Möschler, 310  
*Guaris* Fernald, 312  
*Gwendolina* Heinrich, 323  
*Gymnandrosoma* Dyar, 327  
*Gynandrosoma* Sharp, 327  
*Gyophora* Warren, 449  
*Gypsochares* Meyrick, 307  
**GYPSONOMA** Meyrick, 323  
*Gyrophora* Neave, 449  
*Gyrtona* Walker, 298  
**HADENINAE**, 470  
**HADENINI**, 470  
*Haematia* Hübner, 274  
**HAEMATOPIS** Hübner, 354  
*Haematopsis* auct., 354  
*Haemilis* Duponchel, 244  
*Haemorrhagia* Grote & Robinson, 401  
*Haemylis* Treitschke, 244  
*Hagno* Chambers, 244  
**HAHNCAPPISIA** Monroe, 272  
**HAIMBACHIA** Dyar, 289  
*Halastus* Butler, 429  
*Halesa* Walker, 349  
*Halesidota* auct., 418  
*Halia* Duponchel, 337  
*Halia* Duponchel, 337  
*Halisidota* auct., 418  
*Hallia* Tutt, 361  
*Halonota* Stephens, 324  
**HALYSIDOTA** Hübner, 418  
*Hama* Stephens, 456  
*Hamadaula* Moriuti, 311  
*Hamadryas* Clemens, 251  
**HAMADRYAS** Hübner, 386  
**HAMMAPTERA** Herrich-Schäffer, 357  
*Hamuliella* Căpușe, 250  
*Hamuligera* Obraztsov, 324  
*Hapalia* Hübner, 281  
**HAPLOA** Hübner, 414  
*Haploolophus* Butler, 459  
*Haplotilia* Hübner, 249  
*Haplotinea* Diakonoff & Hinton, 236  
*Harimala* Moore, 367  
*Harkenclenus*– auct., 374  
*Harpagandra* Meyrick, 247  
*Harpagus* Stephens, 258  
*Harpalyce* Chambers, 245  
*Harpyia*– auct., 405  
*Harpyia*– auct., 406  
*Harpyias* Hübner, 405  
**HARRISIMEMNA** Grote, 455  
**HARRISINA** Packard, 312  
*Harrisinula* Hering, 312  
*Harveya* Grote, 432  
*Hatima* Walker, 409  
*Hawaiiana* Swezey, 403  
*Hawaiina* Tutt, 403  
*Hecista* Wallengren, 247  
*Hedia*– auct., 320  
*Hedilepta* Lederer, 281  
*Hedone* Scudder, 363  
*Hedulia* Heinrich, 326  
**HEDYA** Hübner, 320  
*Hedycharis* Turner, 312  
*Hedylepta* Lederer, 281  
*Heinrichia* Busck, 335  
**HELCYSTOGRAMMA** Zeller, 259  
*Helia* Duponchel, 421  
*Helia* Guenée, 421  
*Heliaca* Hübner, 274  
**HELIADDES** Ragonot, 292  
*Helice* Chambers, 254  
*Heliconia* Guérin-Méneville, 380  
*Heliconia* Godart, 380  
**HELICONINAE**, 380  
*Heliconius* Latreille, 380  
**HELICONIUS** Kluk, 380  
*Helicontia* Hampson, 450  
**HELICOVERPA** Hardwick, 480  
*Heligmocera* Walsingham, 324  
**HELIOCHEILUS** Grote, 482  
**HELIODINES** Stainton, 265  
**HELIODINIDAE**, 265  
*Heliodinides* Turner, 265  
*Heliodora* Neumögen, 450  
*Helionanthes* Sodoffsky, 449  
**HELIOMATA** Grote & Robinson, 337  
*Heliophana* Grote, 482  
*Helioptygus* Herrera, 361  
*Helioscopia* Grote, 458  
*Heliothera* Sodoffsky, 451  
**HELIOTHINAE**, 480  
*Heliothis* Hübner, 432  
*Heliothis* Hübner, 481  
**HELIOTHIS** Ochsenheimer, 481  
*Heliothisa* Meigen, 481  
*Heliothis* Oliff, 481  
*Heliotis* Lefebvre, 481  
*Heliotis* Sodoffsky, 481  
**HELIOZELIDAE**, 233  
*Hellinsia* Tutt, 307  
**HELLULA** Guenée, 269  
*Helopharea* Falkovitsh, 249  
*Helvalbia* Căpușe, 250  
**HELVIBOTYS** Munroe, 273  
**HEMARIS** Dalman, 401  
*Hemeria* Billberg, 401  
**HEMEROBLEMMATA** Hübner, 434  
*Hemerocampa* Dyar, 410  
**HEMEROPHILA** Hübner, 312  
**HEMEROPLANIS** Hübner, 426  
*Hemerostia* Stephens, 325  
**HEMIARGUS** Hübner, 378  
*Hemiargus*– auct., 378  
*Hemigeometra* Haworth, 439  
**HEMILEUCA** Walker, 392  
**HEMILEUCINAE**, 392  
**HEMILEUCINI**, 392  
*Hemimania* Lederer, 292  
*Hemimene* Hübner, 325  
**HEMIPACHNOBIA** McDunnough, 480  
*Hemiptecton* Dyar, 314  
*Hemiptectrona* Schaus, 314  
*Hemipogon* Warren, 353  
*Hemitelemorpha* Miller & Brown, 361  
*Hemitelemorpha* Warren, 361  
**HEMITHEINI**, 351  
*Hendecastema* Walsingham, 334  
**HENRICUS** Busck, 335  
*Hera* Harris, 392  
**HERACLIDES** Hübner, 368  
*Herbula* Guenée, 274  
*Herculia*– auct., 290  
*Hercules* Fine, 368  
*Heribeia* Stephens, 263  
*Heringia* Hedemann, 279  
*Heringia* Spuler, 255  
*Heringiella* Berg, 279  
*Heringiella* Börner, 249  
*Heringiola* Strand, 255  
**HERMEPTYCHIA** Forster, 387  
**HERMINIINAE**, 421

- HERMINININA**, 421  
**HERPETOGRAMMA** Lederer, 283  
*Herpyzon* Hübner, 426  
*Herrichia* Grote, 459  
*Herse* Agassiz, 397  
*Herse*— auct., 395  
**HESPERIA** Fabricius, 363  
**HESPERIIDAE**, 359  
**HESPERIIFORMES**, 359  
**HESPERIINAE**, 362  
*Hesperimorpha* Saalmüller, 449  
*Hesperopsis* Dyar, 362  
**HETERANASSA** J. B. Smith, 435  
*Heterandra* Herrich-Schäffer, 456  
*Hetererannis* Warren, 339  
**HETEROCAMPA** Doubleday, 407  
*Heterocreon* Kirby, 367  
**HETEROGENEA** Knoch, 314  
**HETERONEURA**, 231  
**HETEROPACHA** Harvey, 389  
**HETEROPHELEPS** Herrich-Schäffer, 358  
*Heterophelps* Packard, 358  
**HETHEMIA** Ferguson, 352  
*Hetrione* Poppius, 346  
*Heurema* Agassiz, 373  
*Heusimene* Stephens, 325  
**HEXERIS** Grote, 266  
*Hibita* Walker, 233  
**HIEROXESTINAE**, 238  
*Hieroxestis* Meyrick, 238  
*Hilaopsis* Lederer, 281  
**HILAROGRAPHINI**, 335  
**HILEITHIA** Snellen, 279  
**HIMELLA** Grote, 473  
*Hinnebergia* Spuler, 255  
*Hipolymnas* Hübner, 382  
*Hiposcrita* Geyer, 369  
*Hipparchiscus* Walsh, 350  
*Hippola* Walker, 420  
*Hiptelia* Guenée, 479  
*Hirtheistes* Dognin, 353  
**HISTORIS** Hübner, 386  
*Holarctias* Prout, 355  
*Holaxya* Meyrick, 260  
**HOLCOCERA** Clemens, 248  
**HOLCOCERINI**, 248  
*Holocera* Dietz, 248  
**HOLEMELINA** Herrich-Schäffer, 414  
*Holophysa* Gundlach, 270  
**HOLOPHYSIS** Walsingham, 259  
**HOMADAULA** Lower, 311  
**HOMALEDRA** Busck, 250  
*Homalopalpia* Dyar, 296  
**HOMOCHLODES** Hulst, 346  
*Homochroa* Hübner, 271  
**HOMOEOSOMA** Curtis, 301  
**HOMOHADENA** Grote, 469  
*Homonymus* Walsingham, 234  
**HOMOPHOBERIA** Morrison, 448  
*Homophysa* Guenée, 270  
*Homoptera* Guenée, 435  
*Homopyralis* Grote, 428  
**HOMOSASSA** Hulst, 305  
**HOMOSETIA** Clemens, 235  
**HOMOSTINEA** Dietz, 235  
*Homotinea* Meyrick, 235  
**HONORA** Grote, 300  
*Hoplophysis* McDunnough, 259  
**HORAMA** Hübner, 420  
*Horamia* Walker, 421  
**HORISME** Hübner, 358  
*Hormisa* Walker, 422  
**HORMOSCHISTA** Möschler, 427  
*Horomeristis* Meyrick, 246  
*Hortoni* Dyar, 456  
*Hulda* Heinrich, 318  
*Hulstea* Hulst, 300  
**HULSTIA** Ragonot, 300  
*Hvidodes* Swinhoe, 281  
*Hyale* Chambers, 246  
*Hyalitis* Guenée, 278  
**HYALOPHORA** Duncan, 395  
**HYALORISTA** Warren, 275  
*Hyaloscia* Dognin, 274  
*Hyalospila* Herrich-Schäffer, 237  
**HYBLAEA** Fabricius, 266  
**HYBLAEIDAE**, 266  
*Hyboma* Hübner, 452  
**HYBROMA** Clemens, 235  
*Hydria* Hübner, 356  
*Hydria* Hübner, 356  
*Hydriogona* Warren, 353  
**HYDRIOMENA** Hübner, 356  
**HYDRIOMENINI**, 356  
**HYDRIRIS** Meyrick, 276  
*Hydroecia* auct., 457  
*Hyelopsis* Hampson, 1894  
*Hygraula* Meyrick, 268  
*Hygrochrea* Hübner, 389  
*Hygrochroa* Hübner, 389  
**HYLEPHILA** Billberg, 363  
**HYLES** Hübner, 403  
*Hyloecus* Agassiz, 397  
*Hyloecus* Kusnesov, 397  
*Hylograptis* Meyrick, 260  
*Hyloicus* Hübner, 397  
**HYMENIA** Hübner, 278  
*Hymenopsyche* Grote, 240  
**HYPAGYRTIS** Hübner, 342  
**HYPARGYRIA** Ragonot, 295  
**HYPARPAX** Hübner, 409  
**HYPATOPA** Walsingham, 249  
*Hypelictis* Meyrick, 260  
**HYPENNA** Schrank, 426  
*Hypena*— auct., 425  
**HYPENINAE**, 425  
*Hypenodes* Guenée, 425  
**HYPENODES** Doubleday, 425  
**HYPENODINAE**, 425  
*Hypenopsis* Dyar, 425  
**HYPENULA** Grote, 423  
*Hypepirritis* Hübner, 358  
**HYPERAESCHRA** Butler, 405  
*Hypercompa* Billberg, 417  
*Hypercompa*— Walker, 414  
**HYPERCOMPE** Hübner, 417  
*Hyperetis* Guenée, 347  
*Hypermecia* Guenée, 324  
**HYPERSTROTIA** Hampson, 448  
*Hyphantes* Hübner, 264  
*Hyphantidium* Scott, 303  
**HYPHANTRIA** Harris, 416  
*Hypiesta* Hampson, 289  
**HYPOCALA** Guenée, 434  
*Hypoclopus* Walsingham, 234  
*Hypocolpus* Dyar, 234  
*Hypogramma* Guenée, 435  
*Hypogymna* Billberg, 411  
**HYPOLIMNAS** Hübner, 382  
**HYPOLIMNINI**, 382  
**HYPOMECIS** Hübner, 339  
*Hypnomena* Turner, 264  
*Hypnomena* Sodoffsky, 264  
**HYPOPREPIA** Hübner, 413  
**HYPOPTINAE**, 313  
*Hypothripa* Hampson, 446  
*Hypotomomorpha* Rebel, 286  
*Hypsipetes* Stephens, 356  
**HYSIPYLA** Ragonot, 295  
**HYPSOROPHA** Hübner, 428  
*Hypsorophora* Rings & Rings, 428  
*Hypsorophus* Rings & Rings, 428  
*Hyria* Stephens, 352  
*Hysterophora* Obratsov, 335  
*Hysterosia* Stephens, 335  
**HYSTRICOPHORA** Walsingham, 325  
*Hystricophora* auct., 325  
*Ianassa* Walker, 409  
*Iasma* Turner, 446  
*Ichneumenoptera* Hampson, 309  
*Ichthyoptila* Meyrick, 279  
*Ichthyura* Hübner, 404  
**IDAEA** Treitschke, 352  
*Ide* Chambers, 245  
*Idechthis* Hübner, 434  
**IDIA** Hübner, 421  
**IDIOGLOSSA** Walsingham, 247  
*Idiographis* Lederer, 335  
*Idiostoma* Walsingham, 247  
*Idoea* Cotes & Swinhoe, 352  
*Iesta* Dyar, 289  
*Ilattia* Walker, 449  
*Ilades* Hübner, 367  
*Ilingiotis* Meyrick, 260  
*Ilipa* Walker, 420  
*Ilattia* Hampson, 449  
*Illice* Walker, 413  
**INCISALIA** Scudder, 376  
*Incita* Grote, 482  
**INCURVARIINA**, 233  
**INCURVARIODEA**, 233  
*Induna* Warren, 354  
**INGA** Busck, 246  
*Ingura* Guenée, 445  
*Ingurimorpha* Turner, 313  
**INGUROMORPHA** H. Edwards, 313  
*Iochares* Meyrick, 260  
**IDOPEPLA** Franclemont, 458  
*Ionescumia* Căpușe, 249  
*Ionnemesia* Căpușe, 250  
*Ioplocama* Clemens, 321  
*Irenicodes* Meyrick, 247  
**ISA** Packard, 316  
*Isia*— auct., 414  
*Ismene* Stephens, 264  
**ISOCHAETES** Dyar, 315  
*Isochasta* Meyrick, 254  
**ISOCORYPHA** Dietz, 235  
**ISOGONA** Guenée, 427  
*Isogramma* Rothschild & Jordan, 397  
**ISOPARCE** Rothschild & Jordan, 397  
**ISOPHRICITIS** Meyrick, 254  
*Isopteryx* Guenée, 277  
*Isothauma* Warren, 266  
*Itama* Hübner, 337  
**ITAME** Hübner, 337  
*Ithobalus* Hübner, 367  
**ITHOME** Chambers, 253  
*Ithomia*, 62  
*Janarda* Moore, 352  
*Janatella*, 62  
**JANSEODES** Viette, 430  
*Jarasana* Moore, 432  
*Jasoniades* Hübner, 368  
*Jaspidia* Hübner, 455  
*Jaspidia* Hübner, 455  
*Jngurimorpha* Dalla Torre, 313  
*Jocara*— auct., 292  
*Jocheaera* Hübner, 452  
*Jodia*— Hampson, 468  
*Johanssonia* Borkowski, 232  
*Johanssoniella* Kocak, 232  
**JUNONIA** Hübner, 383  
*Kakivoria* Nagano, 246  
**KAKOPODA** J. B. Smith, 435  
*Karacidaria* Matsumura, 356  
*Kasyfia* Căpușe, 250  
*Katona* Hulst, 292  
**KEARFOTTIA** Fernald, 238  
**KEIFERIA** Busck, 256  
*Kenneliola* Paclt, 326  
*Khadira* Moore, 429  
*Klimeschja* Căpușe, 249  
*Klimeschjosefia* Căpușe, 250  
*Klinzigedia* Căpușe, 249  
**KRICOOGONIA** Reakirt, 373  
*Kundrya* Heinrich, 324  
*Kuznetzovvilia* Căpușe, 250  
**LACINIPOLIA** McDunnough, 470  
**LACOSOMA** Grote, 389  
**LACTURA** Walker, 312  
**LACTURIDAE**, 312  
*Lade* de Niceville, 369  
*Ladoga* Moore, 385  
*Laertiades* Doubleday, 367  
*Laertias* Hübner, 367  
**LAETILIA** Ragonot, 301  
*Lagaria* Walker, 420  
**LAGOA** Harris, 312  
*Lagopus* Reichenbach, 459  
*Laguae* Strand, 456  
*Laitilia* Thompson, 301  
**LAMBIDINA** Capps, 347  
**LAMPIDINI**, 377  
**LAMPROLOPHUS** Busck, 265  
**LAMPROSEMA** Hübner, 275  
*Lamprosia* Hübner, 439  
**LANGESSA** Munroe, 268  
**LANTANOPHAGA** Zimmerman, 306  
*Lanthaphe* Clemens, 292  
*Laosticha* Hulst, 301  
**LAOTHOE** Fabricius, 399  
**LAPARA** Walker, 398  
*Laparus* Billberg, 380  
*Laphygma* Guenée, 460  
*Laquea* Jordan, 456  
**LARENTIINAE**, 356  
**LARENTIINI**, 357  
**LARISA** Miller, 326  
*Larunda* H. Edwards, 308  
**LASCORIA** Walker, 424  
*Lasiacae* Warren, 284  
**LASIOCAMPIDAE**, 389  
**LASIOCAMPINAE**, 390  
*Lasperesia* Wu, 326  
*Laspeyresia* Hübner, 326  
**LASPEYRESIINI**, 325  
**LATEBRARIA** Guenée, 434  
*Lathontogenes* Walsingham, 259  
*Lattisacculia* Căpușe, 250  
*Laurentia* W. S. Wright, 357  
*Laverna* Curtis, 251  
*Lebena* Walker, 447  
**LEDAEA** Druce, 427  
*Ledereria* Marschall, 281  
*Ledereria* Snellen, 285  
*Leechia* Tutt, 376  
*Legna* Walker, 427  
*Leida* Walker, 431  
**LEIOPTILUS** Wallengren, 307  
*Lelymena* Karsch, 266  
**LEMMERIA** Barnes & Benjamin, 457  
*Lemur* Hübner, 435  
*Lentagenia* Dyar, 314  
*Lephelisca* Barnes & Linsley, 379  
*Lepidobregma* Zimmerman, 235  
**LEPIDOMYS** Guenée, 291  
*Lepidotrama* Cockerell, 434  
**LEPIPOLYS** Guenée, 469  
*Lepisesia* Grote, 402  
*Lepitorea* Grote, 452  
*Leptacme* Warren, 353  
*Leptidule* Butler, 358  
*Leptina* Guenée, 445

- Leptocimbicina* Bryk, 308  
*Leptogramma* Stephens, 327  
*Leptomeris* Hübner, 354  
*Leptophara* Billberg, 429  
*Leptoris* Clemens, 332  
**LEPTOSTALES** Möschler, 355  
**LEPTOSTEGES** Warren, 285  
*Leptostola* Billberg, 451  
**LEPTOTES** Scudder, 377  
**LEREMA** Scudder, 362  
**LERODEA** Scudder, 366  
*Lerupsia* Riedl, 256  
**LESMONE** Hübner, 434  
*Lespeyresia* Gozmány, 326  
*Lethe*— auct., 387  
*Lethia* Hübner, 397  
*Leucadia* Sodoffsky, 472  
**LEUCANIA** Ochsenheimer, 472  
*Leucanitis* Guenée, 433  
**LEUCANOPSIS** Regos-Barros, 419  
**LEUCANTHIZA** Clemens, 242  
*Leucarcia* Packard, 415  
*Leuce* Chambers, 255  
*Leucetaera* Warren, 343  
*Leucichloe* Röber, 369  
**LEUCOCHROMA** Guenée, 280  
*Leucocora* Hübner, 358  
**LEUCONYCTA** Hampson, 449  
*Leucophaeus* Grote, 392  
*Leucophryne* Chambers, 251  
*Leucophthalmia* Hübner, 354  
**LEUCOPTERA** Hübner, 265  
*Leucosemia* Ménétériés, 456  
*Leuropalpa* Janse, 260  
*Libythea* Fabricius, 379  
**LIBYTHEANA** Michener, 379  
**LIBYTHEIDAE**, 379  
*Licus* Hübner, 375  
*Limacodes* Berthold, 315  
**LIMACODIDAE**, 314  
**LIMACODIFORMES**, 314  
*Limacodilla* C. Felder, 389  
*Limantria* Vshivkova, 411  
**LIMENITIDINI**, 385  
**LIMENITIS** Fabricius, 385  
*Limenitis*— auct., 385  
*Limeria* Staudinger, 353  
*Limma* Hübner, 319  
*Limnaecia* Scudder, 385  
**LIMNAECIA** Stainton, 252  
*Limnoecia* auct., 252  
*Limochores* Scudder, 363  
**LINEODES** Guenée, 275  
*Linneria* Rothschild & Jordan, 397  
*Lintneria* Butler, 397  
*Lintneria* Edwards, 360  
**LIOPTILODES** Zimmerman, 306  
*Liopitilus* Zeller, 307  
*Liparis* Ochsenheimer, 411  
*Lipatia* Busck, 259  
*Lipocentris* Warren, 355  
**LIPOCOSMA** Lederer, 270  
**LIPOCOSMODES** Munroe, 270  
*Lipocoscopsis* Munroe, 270  
**LIPOGRAPHIS** Ragonot, 299  
*Lipoptycha* Lederer, 325  
*Lipoptychodes* Obraztsov, 325  
*Litbada* Walker, 349  
**LITHACODES** Packard, 314  
**LITHACODIA** Hübner, 448  
*Lithina* Hübner, 346  
**LITHININI**, 346  
*Lithocodia* Packard, 314  
**LITHOCOLLETINAE**, 242  
*Lithocolletis* Hübner, 242  
*Lithographia* Stephens, 324  
**LITHOPHANE** Hübner, 468
- LITHOSINAE**, 413  
**LITHOSIINI**, 413  
**LITODONTA** Harvey, 406  
*Litognatha* Grote, 422  
*Litomitus* Grote, 438  
**LITOPROSOPUS** Grote, 430  
*Litosea* Grote, 437  
*Liviana* Walker, 431  
**LOBESIA** Guenée, 318  
*Lobesia*— auct., 318  
**LOBOCLETA** Warren, 352  
**LOBOPHORINI**, 358  
*Lobura* Warren, 353  
*Lochia* Walker, 449  
**LOCHMAEUS** Doubleday, 407  
*Loepanthraea* Toxopeus, 394  
*Loetrina* Walker, 276  
*Lois* Dyar, 434  
*Loma* Hulst, 293  
*Lomanaltes* Grote, 426  
**LOMANALTES** Grote, 426  
*Lomaschiza* Lower, 318  
*Lomatographa* Agassiz, 343  
**LOMOGRAPHIA** Hübner, 343  
*Lonchodes* Guenée, 281  
*Longibacillia* Căpușe, 250  
*Longicornutia* Razowski, 335  
*Longignathia* Roesler, 302  
*Longula* Staudinger, 354  
*Lopas* Hübner, 327  
*Lophia* Sodoffsky, 470  
**LOPHOCHORISTINI**, 351  
*Lophocnema* Turner, 308  
*Lophodonta* Packard, 405  
*Lophophleps* Hampson, 352  
*Lophoptilus* Sircom, 251  
*Lophosis* Hulst, 353  
**LOPHOSIS** Hulst, 356  
**LORITA** Busck, 335  
*Lotria* Guenée, 301  
*Loxagrotis* McDunnough, 478  
**LOXOCRAMBUS** Forbes, 287  
*Loxocreon* Warren, 281  
*Loxogramma* Agassiz, 346  
**LOXOMORPHA** Amsel, 277  
*Loxoscia* Warren, 282  
**LOXOSTEGE** Hübner, 273  
**LOXOSTEGOPSIS** Dyar, 276  
*Loxotegopsis* Dyar, 276  
*Loxotermia* Busck, 320  
*Lozogramma* Stephens, 346  
*Lozopera* Stephens, 334  
*Lozostoma* Stainton, 238  
*Lucidaesia* Căpușe, 250  
*Lussa* Grote, 446  
*Luzulina* Falkovitsh, 250  
*Lvaria* Căpușe, 250  
*Lycæna* Fabricius, 62  
**LYCAENIDAE**, 374  
**LYCAENOPSINI**, 378  
*Lycaenopsis*— auct., 378  
*Lycauges* Butler, 354  
**LYCHNOSEA** Grote, 347  
**LYCIA** Hübner, 342  
*Lycorea*, 62  
*Lycus* Hübner, 375  
*Lygranoa* Butler, 358  
*Lygranthoecia* Grote & Robinson, 482  
*Lygris* Hübner, 356  
**LYGROPIA** Lederer, 282  
**LYMANTRIA** Hübner, 411  
**LYMANTRIIDAE**, 409  
**LYMANTRIINAE**, 409  
**LYMANTRIINI**, 411  
**LYMIRE** Walker, 420  
*Lymaecia* McDunnough, 252  
*Lyncestis* Walker, 432
- LYONETHIDAE**, 264  
**LYPOTIGRIS** Hübner, 283  
*Lyroptera* Plötz, 359  
*Lysigrapha* Meyrick, 246  
*Lyssia* Guenée, 432  
*Lytaea* Stephens, 479  
**LYTROSIS** Hulst, 344  
*Macaldemia* Moore, 437  
**MACALLA** Walker, 292  
**MACARIA** Curtis, 337  
*Macchlotica*— auct., 263  
*Macchlotricha* Meyrick, 260  
*Macrhypena* Geote, 425  
**MACRISTIS** Schaus, 424  
*Macrobotys* Monroe, 283  
**MACROCHILO** Hübner, 422  
**MACROGLOSSINAE**, 399  
**MACROGLOSSINI**, 402  
**MACROMPHALIINAE**, 389  
*Macronomeutis* Meyrick, 277  
**MACRORRHINIA** Ragonot, 300  
*Macrosila* Lucas, 399  
*Macrosila* Walker, 396  
*Macrotheca* Ragonot, 294  
**MACROTHYATRINI**, 388  
*Macrozancla* Turner, 260  
**MACRUROCAMP** Dyar, 406  
*Madopa* Stephens, 424  
**MADORYX** Boisduval, 400  
*Maenas* Hübner, 429  
**MAGUSA** Walker, 459  
*Maidana* Swinhoe, 339  
*Malachotriche* Busck, 260  
**MALACOSOMA** Hübner, 390  
*Malacotricha* Zeller, 260  
*Malacotriche* Busck, 260  
*Malengris* Hübner, 357  
*Malenydris* Hübner, 357  
**MALLIATHA** Walker, 448  
*Mallotodesma* Wallengren, 313  
*Maltana* Walker, 431  
*Malthaca* Clemens, 312  
*Mamestra*— auct., 470  
*Mancipium* Hübner, 369  
**MANDUCA** Hübner, 396  
**MANIOLINI**, 388  
*Manoneura* Davis, 232  
*Marasma* Green, 284  
*Marasmalus* Grote, 445  
*Marasmarcha*— auct., 306  
**MARASMIA** Lederer, 284  
**MARATHYSSA** Walker, 445  
*Mardara* Walker, 424  
*Maredu* Kirby, 402  
*Margarodes* Guenée, 281  
*Margaronia* Hübner, 281  
**MARIANA** Prola & Racheli, 306  
**MARILOPTERYX** Franclemont, 474  
*Marius* Swainson, 386  
**MARMARA** Clemens, 242  
*Marmarea* Hulst, 345  
*Marmorinia* Guenée, 427  
*Maroa* Barnes & McDunnough, 273  
**MARPESIA** Hübner, 386  
**MARPESIINI**, 386  
**MARTYRINGA** Busck, 246  
**MARUCA** Walker, 277  
*Maruea* Walker, 277  
*Masebia* Walker, 434  
**MASSALA** Walker, 432  
*Massava* Walker, 427  
*Mastigocera* Harris, 421  
*Mastiphanes* Grote, 452  
*Mastor* Godman, 365  
*Matella* Gistel, 354  
**MATIGRAMMA** Grote, 435  
**MEA** Busck, 236
- Meceura* Billberg, 394  
*Mecoceras* Guenée, 336  
**MECYN** Doubleday, 276  
*Mecyna*— auct., 273  
**MEESSINAE**, 235  
*Megachya* Grote, 422  
*Megacronycta* Grote, 452  
*Megahypena* Grote, 425  
**MEGALOGRAPHA** Lafontaine & Poole, 444  
**MEGALOPYGE** Hübner, 313  
**MEGALOPYGIDAE**, 312  
**MEGALOPYGINAE**, 312  
**MEGALORHIPIDA** Amsel, 306  
*Megalorrhypida* Amsel, 306  
*Megalura* Blanchard, 386  
*Meganola* Dyar, 446  
*Meganostoma* auct., 372  
*Megaphycis* Grote, 302  
**MEGARTHRIDINI**, 293  
*Megasema* Hubner, 479  
*Megastopolia* Hampson, 434  
**MEGATHYMINAE**, 366  
**MEGATHYMUS** Scudder, 366  
*Megistanis* Boisduval, 386  
*Megistanis* Doubleday, 386  
*Megistias* Godman, 362  
**MEGISTO** Hübner, 387  
*Megonostoma* Reakirt, 372  
*Melalopha* Hübner, 404  
**MELANCHROIA** Hübner, 341  
**MELANCHROIINI**, 341  
*Melanippe* Duponchel, 356  
*Melanochroia* Ferguson, 341  
**MELANOCINCLIS** Hodges, 252  
*Melanocoma* Harrison, 342  
*Melanoleuca* Stephens, 245  
**MELANOLOPHIA** Hulst, 342  
**MELANOLOPHIINI**, 342  
*Melanomecyna* Butler, 275  
**MELANOMMA** Grote, 424  
*Melanthes* Mabille, 360  
*Melanydris* Hulst, 357  
**MELAPORPHYRIA** Grote, 484  
*Melia* Heinemann, 302  
*Melia* Neumoegen, 405  
*Melicleptria* Hübner, 482  
*Meliopis* Swinhoe, 432  
*Meliphora* Guenée, 293  
**MELIPOTIS** Hübner, 432  
*Melissopus* Riley, 326  
*Melitaea*— auct., 385  
**MELITAEINI**, 384  
**MELITARA** Walker, 302  
*Melitha* Kirby, 308  
*Melitta* Druce, 308  
**MELITIA** Hübner, 308  
**MELITTIINI**, 308  
*Melittina* LeCerf, 309  
*Mella* Walker, 297  
**MELLILA** Grote, 337  
*Melliopus* Packard, 326  
*Mellisopus* Fernald, 326  
*Mellisopus* Fernald, 326  
*Mellopha* Hübner, 404  
*Melochlora* Warren, 350  
*Membrania* Căpușe, 250  
*Memythrus* Newman, 308  
**MENESTA** Clemens, 246  
**MENESTOMORPHA** Walsingham, 246  
*Menopsimus* Dyar, 425  
*Meridyrias* Hampson, 435  
*Merinthus* Meigen, 398  
**MEROPLEON** Dyar, 457  
*Merotoma* Meyrick, 281  
**MESCINIA** Ragonot, 300  
**MESKEA** Grote, 266

- Mesodonta* Matsumura, 405  
*Mesoexoa* Corti, 477  
*Mesographe* Hübner, 271  
**MESOLIA** Ragonot, 286  
*Mesoligia* Boursin, 456  
*Mesoptycha* Zeller, 245  
*Mesosphinx* Cockerell, 397  
*Mestleta* Walker, 449  
*Mestra*, 62  
*Metacinia* Schaus, 423  
*Metahadena* Morrison, 469  
**METALECTRA** Hübner, 428  
*Metalestra* Barnes & Benjamin, 428  
**METALLATA** Möschler, 431  
*Metallitis* Sodoffsky, 233  
*Metallosetia* Stephens, 249  
*Metamorphia* Frey & Boll, 247  
*Metamorphia*—auct., 383  
*Metapista* Căpușe, 250  
**METARRANTHIS** Warren, 346  
*Metaspiopsis* Prout, 352  
*Metasphaeroeca* Fernald, 325  
*Metathorasa* auct., 459  
**METAXAGLAEA** Franclemont, 468  
*Metaxya* Walker, 476  
*Metaxyia* Hampson, 476  
*Metaxyia* Hübner, 476  
**METEPHESTIA** Ragonot, 302  
*Metorasa* Moore, 459  
*Metidulodes* Guenée, 345  
*Metina* Druce, 423  
*Metosamia* Druce, 394  
*Metrage* Walker, 316  
**METRIA** Hübner, 435  
**METRIOCHROA** Busck, 242  
*Metrocampa* Bruand, 345  
*Metrocampus* Berthold, 345  
*Metura* Butler, 372  
**METZNERIA** Zeller, 254  
*Miana* Stephens, 456  
*Micra* Guenée, 449  
*Micractis* Warren, 271  
**MICRATHETIS** Hampson, 460  
*Microaethia* Chambers, 311  
*Microblemma* Hampson, 425  
*Microcalyptis* Braun, 232  
**MICROCAUSTA** Hampson, 288  
*Microcoelia* Guenée, 452  
*Microcorsa* Walsingham, 318  
**MICROCORSINI**, 318  
**MICROCRAMBUS** Bleszynski, 287  
*Microlechia* Turati, 255  
*Microphisa* Boisduval, 449  
*Microphysa* Guenée, 449  
**MICROPHYSETICA** Hampson, 276  
*Micropterogyna* Rambur, 410  
*Microscardia* Amsel, 236  
**MICROTHERIS** Meyrick, 269  
*Microthetis* Hampson, 460  
**MICROTHYRIS** Lederer, 283  
*Microtyris* Bendicho-L., 283  
*Midea*—Herrich-Schäffer, 371  
*Mieza* Walker, 312  
*Mionitis* Hübner, 380  
**MILETINAE**, 374  
**MILGITHEA** Schaus, 292  
*Militaea* W. H. Edwards, 385  
**MILLIERIINAE**, 311  
*Milyas* Walker, 431  
*Mimaeseoptilus* Wallengren, 306  
*Mimaesiophilus* Barrett, 306  
*Mimaesoptilus* Snellen, 306  
**MIMALLONIDAE**, 389  
*Mimarctia* Neumoegen & Dyar, 418  
*Mimeseoptilus* Zeller, 306  
*Mimetes* Hübner, 476  
*Mimetis* Hampson, 477  
*Mimomeris* Povolný, 260  
**MIMOPHOBETRON** Munroe, 282  
**MIMORISTA** Warren, 276  
**MIMOSCHINIA** Warren, 269  
*Mineola* Hulst, 294  
**MINISTRYMON** Clench, 375  
*Minois*—auct., 388  
*Mirobriga* Walker, 276  
*Misa*—auct., 456  
**MISOGADA** Walker, 406  
**Mitoura** Scudder, 375  
*Mitouri* Scudder, 375  
*Mitura* Rye, 375  
*Mixocharis* Lederer, 449  
*Mixodia* Guenée, 320  
*Mnemonica* Meyrick, 231  
*Mnesictena* Meyrick, 275  
*Mnesipyrga* Meyrick, 450  
*Mnesterodes* Meyrick, 352  
*Mochlocera* Grote, 292  
**MOCIS** Hübner, 438  
*Modiana* Walker, 297  
*Modriana* Roesler, 297  
*Moenas* Walker, 429  
*Molopa* Swinhoe, 429  
*Molybdanthe* Meyrick, 276  
*Momaphana* Hampson, 469  
*Momophana* Grote, 469  
**MOMPHA** Hübner, 251  
**MOMPHIDAE**, 251  
*Monima* Hübner, 472  
**MONOCHROA** Heinemann, 254  
*Monocondica* Berio, 466  
*Monodes* Guenée, 465  
*Monogona* Guenée, 428  
**MONOLEUCA** Grote & Robinson, 316  
**MONOPIS** Hübner, 237  
**MONOPTILOTA** Hulst, 297  
*Monosphragis* Clemens, 322  
*Monotemachia* Falkovitsh, 250  
**MONOTRYZIA**, 231  
*Monroa* Warren, 339  
**MOODNA** Hulst, 303  
**MOODNODES** Neunzig, 303  
*Morasa* Walker, 411  
*Mormonia* Hübner, 439  
*Mormosia* Walker, 439  
*Morocosma* Lederer, 280  
*Morphaga* Herrich-Schäffer, 236  
**MORRISONIA** Grote, 473  
*Motina* Walker, 424  
**MOTYA** Walker, 446  
**MOURALIA** Walker, 442  
*Multicoloria* Căpușe, 250  
**MUNROESSA** Lange, 267  
*Murgaria* Watson, 360  
**MURSA** Walker, 427  
**MUSOTIMINAE**, 267  
*Musurga* Meyrick, 260  
**MYOGLOSSATA**, 231  
*Myrophila* Meyrick, 260  
*Myrtale* Druce, 466  
*Myscelia*, 62  
*Mythographa* Meyrick, 260  
**NACOPHORA** Hulst, 345  
**NACOPHORINI**, 345  
**NADATA** Walker, 405  
**NAERA** Chambers, 255  
*Nagunda* Moore, 411  
*Najas* Hübner, 385  
*Nannamorphia* Turner, 276  
*Nannia* Hulst, 358  
*Nanthilda* Blanchard, 427  
*Narapa* Moore, 339  
**NASCIA** Curtis, 271  
**NASTRA** Evans, 362  
**NATADA** Walker, 315  
*Natalis* Doubleday, 374  
**NATHALIS** Boisduval, 374  
*Naurace* Bleszynski & Collins, 286  
*Naurace* Walker, 286  
*Naxia* Guenée, 437  
*Neaera* Chambers, 247  
*Neaera* Herrich-Schäffer, 316  
*Neaerasa* Staudinger, 316  
**NEALGEDONIA** Munroe, 272  
**NEALYDA** Dietz, 254  
**NEARGYRACTIS** Lange, 269  
**NEDRA** Clarke, 458  
**NELPHE** Herrich-Schäffer, 420  
**NEMAPOGON** Schrank, 235  
**NEMAPOGONINAE**, 235  
**NEMATOCAMPA** Guenée, 350  
*Nemesia* Căpușe, 249  
*Nemeta* Walker, 315  
**NEMORIA** Hübner, 350  
**NEMORIINI**, 350  
*Nemius* Kirby, 359  
*Neobanisia* Whalley, 266  
**NEOCATACTYSTA** Lange, 267  
*Neochrista* Meyrick, 260  
*Neochrysa* Warren, 353  
*Neocochylis* Razowski, 335  
**NEODAVISIA** Barnes & McDunnough, 290  
*Neodecadarchis* Zimmerman, 235  
*Neoeaetria* McDunnough, 448  
**NEOGALEA** Hampson, 469  
**NEOHELVIBOTYS** Munroe, 273  
*Neotherminia* Druce, 422  
**NEOLEPIDOPTERA**, 231  
**NEOLEUCINODES** Capps, 275  
*Neolexia* Hulst, 356  
*Neolophus* Walsingham, 234  
**NEOMACHLOTICA** Heppner, 263  
*Neomarsmia* Kalra, David & Banerji, 284  
**NEONYMPHA** Hübner, 387  
*Neonympha*—auct., 387  
*Neopachnistis* Janse, 260  
*Neophaeus* Dyar, 467  
**NEOPLYNES** Hampson, 414  
**NEOPROCRIS** Jordan, 312  
*Neoproctis* Bryk, 312  
*Neopyralis* Brèthes, 302  
*Neopyrameis* Scudder, 381  
*Neoschema* Povolný, 256  
*Neospeciea* LeCerf, 308  
**NEOTUERTA** Kiriakoff, 456  
*Neperigea* McDunnough, 458  
*Nephelia* Turner, 289  
*Nephelina* Kirby, 435  
**NEPHELOLEUCA** Butler, 349  
**NEPHOPTERIX** Hübner, 298  
*Nephopteryx* Zeller, 298  
**NEPOTULA** Hodges, 253  
*Nepticula* Heyden, 231  
**NEPTICULIDAE**, 231  
**NEPTICULINA**, 231  
**NEPTICULOIDEA**, 231  
*Neptis* Illiger, 384  
*Neptunia* Barnes & McDunnough, 450  
**NEPYTIA** Hulst, 348  
*Neraetria* McDunnough, 447  
**NERICE** Walker, 405  
*Nesipola* Warren, 350  
*Nesolechia* Meyrick, 259  
*Nesoxena* Meyrick, 235  
*Nestorides* Hübner, 367  
*Neugenia* Căpușe, 250  
*Neurasthenia* Pierce & Metcalfe, 234  
**NEUROBATHRA** Ely, 242  
**NEUROLIPA** Ely, 242  
**NIASOMA** Busck, 331  
**NIASOMINI**, 331  
**NIDITINEA** Peterson, 237  
*Niepetia* Strand, 232  
**NIGETIA** Walker, 425  
*Nimyra* Guenée, 455  
**NIPHOGRAPTA** Warren, 277  
*Nipista* Walker, 449  
*Nochelia* Clemens, 316  
**NOCLOINI**, 467  
**NOCTUIDAE**, 421  
**NOCTUINAE**, 474  
**NOCTUINI**, 479  
**NOCTUININA**, 424  
**NOCTUOIDEA**, 404  
*Noeza* Walker, 260  
*Nokono* Matsumura, 308  
**NOLA** Leach, 447  
*Nolaphana* Grote, 460  
**NOLINAE**, 446  
*Nomenia* Pearsall, 357  
**NOOPHILA** Hübner, 277  
**NORAPE** Walker, 313  
*Norma* Heinrich, 324  
*Noropsis* Guenée, 430  
*Nosyrisia* Căpușe, 250  
**NOTIOPUSIA** Lafontaine & Poole, 444  
**NOTODONTIDAE**, 404  
**NOTODONTINAE**, 404  
*Notolophus* Germar, 410  
*Notophytis* Meyrick, 275  
*Numeria* Dapochel, 347  
**NUMIA** Guenée, 343  
**NYCTELIUS** Hayward, 366  
**NYCTEOLA** Hübner, 446  
*Nycterosea* Hulst, 357  
*Nyctostia* Edelsten, 357  
*Nygma* Hübner, 264  
*Nympha*—auct., 385  
*Nymphaeella* Grote, 268  
**NYMPHALIDAE**, 379  
**NYMPHALINAE**, 381  
**NYMPHALINI**, 381  
**NYMPHALININA**, 379  
*Nymphalis* Felder & Felder, 385  
*Nymphalis* Latreille, 381  
**NYMPHALIS** Kluk, 381  
*Nymphalus* Boitard, 385  
*Nymphalus*—auct., 385  
*Nymphidia* Boisduval & Leconte, 379  
*Nymphidium*—auct., 379  
**NYMPHULIELLA** Lange, 268  
**NYMPHULINAE**, 267  
**NYMPHULINI**, 267  
*Nyssia* Dapochel, 342  
**NYSTALEA** Guenée, 406  
*Nystalea* Knudson & Bordelon, 406  
*Obelopteryx* Warren, 352  
*Obucola* Walker, 434  
**OCALA** Hulst, 300  
*Ochria*—Grote, 457  
**OCHROMOLOPINAE**, 262  
*Ochrosoma* Herrich-Schäffer, 313  
*Ochyria* Hübner, 357  
**OCRASA** Walker, 290  
*Ocytes* Scudder, 363  
*Odela* Christoph, 233  
*Odice* Hübner, 449  
**ODONTINAE**, 269  
*Odontina* Guenée, 429  
*Odoptera* Sodoffsky, 345  
*Oebia* Hübner, 275  
*Oebia*—auct., 269  
*Oeceticus* Packard, 239  
**OECOPHORIDAE**, 244

- OECOPHORINAE**, 246  
**OECOPHORINI**, 246  
*Oecophyllembius* Silvestri, 242  
*Oectoperia* Zeller, 291  
*Oedemasia* Packard, 408  
*Oedicaula* Falkovitsh, 249  
*Oedomia* Dognin, 292  
*Oedonia* Kirby, 317  
**OEGOCONIINI**, 247  
*Oegoconiodes* Matsumura, 258  
*Oeketicus* Lefebvre, 239  
*Oellopus* H. Edwards, 400  
*Oenectra* Guenée, 332  
**OENOBOTYS** Munroe, 271  
**OENOBOTYINAE**, 336  
**OENOCHROMINI**, 336  
*Oenophthira* Duponchel, 332  
*Oenosanda* Walker, 402  
*Oeobia* Hübner, 275  
*Oeobia*—auct., 269  
*Oeta* Grote, 264  
**OGDOCONTA** Butler, 467  
*Ogdoematophorus*—auct., 307  
**OIKETICINAE**, 239  
**OIKETICUS** Guilding, 239  
*Oileides* Hübner, 360  
**OLECECLOSTERA** Butler, 389  
**OLETHREUTES** Hübner, 320  
**OLETHREUTINAE**, 318  
**OLETHREUTINI**, 319  
**OLIGIA** Hübner, 456  
**OLIGOCENTRIA** Herrich-Schäff-  
 er, 409  
*Oligoneura* Davis, 232  
**OLIGORIA** Scudder, 366  
*Oligos* Treitschke, 264  
*Ollia* Dyar, 305  
**OMIODES** Guenée, 281  
**OMMATOCHILA** Butler, 427  
*Ommatopteryx* Kirby, 288  
**OMMATOSPILA** Lederer, 285  
*Ommatostola* Knudson & Bordelon,  
 285  
*Ommatostolidea* Benjamin, 455  
*Omopera* Warren, 353  
*Omoptera* Guérin-Ménéville, 435  
*Ommatopterus* Guérin-Ménéville, 435  
**OMPHALOCERA** Lederer, 293  
**ONCOCNEMIDINI**, 469  
**ONCOCNEMIDES** Lederer, 469  
*Onectra* Wocke, 332  
**ONEIDA** Hulst, 292  
*Opadia* Guenée, 326  
**OPHISMA** Guenée, 437  
**OPHIUCHE** Hübner, 426  
**OPOGONA** Zeller, 238  
**OPOSTEGIDAE**, 232  
**OPOSTEGOIDEA** Koslov, 232  
*Opotura* Walker, 422  
*Orchemia* Guenée, 325  
**ORETA** Walker, 388  
**ORETINAE**, 388  
*Orghidania* Căpușe, 249  
**ORGYIA** Ochseneheimer, 410  
**ORGYIINI**, 409  
*Oria* Guenée, 482  
*Orneodes* Latreille, 262  
*Ornix* Treitschke, 241  
*Orobena* Guenée, 271  
*Orodemnias* Wallengren, 418  
**ORODESMA** Herrich-Schäffer, 434  
*Orodesmia* Wolcott, 434  
*Orothyntis* Meyrick, 234  
*Orpheides* Hübner, 367  
*Orsimacha* Meyrick, 246  
*Orsodytis* Meyrick, 260  
*Orthoa* Billberg, 472  
*Orthoclostera* Butler, 445  
*Orthodea* J. B. Smith, 473  
**ORTHODES** Guenée, 473  
*Orthographis* Falkovitsh, 249  
*Ortholita* Glaser, 346  
*Ortholitia* Hübner, 346  
*Ortholophus* Walsingham, 234  
**ORTHONAMA** Hübner, 357  
*Orthonamma* Knudson & Bordelon,  
 357  
*Orthonoma* Hübner, 357  
**ORTHOSIA** Ochseneheimer, 472  
*Orthotaenia* Stephens, 320  
**ORTHOTAENIA** Stephens, 319  
*Orthotaenia*—Stainton, 318  
*Orthographis* Căpușe, 250  
**ORUZA** Walker, 448  
**ORYCTOMETOPIA** Ragonot, 299  
*Orygia* Knudson & Bordelon, 410  
*Osca* Walker, 266  
*Osceola* Hulst, 305  
**OSMINIA** LeCerf, 309  
**OSMINIINI**, 309  
*Osphretica* Meyrick, 236  
*Ostreophana* Sodoffsky, 274  
*Ostreophena* Sodoffsky, 274  
**OSTRINIA** Hübner, 271  
*Otosema* Hübner, 434  
*Otolengua* Beutenmüller, 266  
*Otus* Hübner, 402  
*Oudejansia* Căpușe, 250  
**OURAPTERYGINI**, 347  
*Oxygrapha* Hübner, 327  
*Oxybelia* Hübner, 260  
**OXYCILLA** Grote, 424  
*Oxycryptis* Meyrick, 257  
**OXYDIA** Guenée, 349  
*Oxygrapha* Stainton, 328  
*Oxylos* Grote, 482  
*Oxysactis* Meyrick, 260  
*Oylothrix* Clemens, 313  
**OZAMIA** Ragonot, 302  
**OZARBA** Walker, 448  
*Ozodania* Dyar, 413  
*Pacasa* Wichgraf, 316  
*Pachycerma* Van Duzee, 449  
*Pachylia* Lucas, 400  
**PACHYLIA** Walker, 400  
**PACHYLIODES** Hodges, 400  
*Pachysaris* Meyrick, 260  
**PACHYSPHINX** Rothschild & Jor-  
 dan, 399  
*Pachythyrus* Felder & Rogenhofer,  
 266  
*Pachyzancla* Meyrick, 283  
*Pachyzanclodes* Matsumura, 271  
**PAECTES** Hübner, 445  
*Paedisca* Treitschke, 324  
*Paenasmia* Kirby, 367  
*Paepia* Walker, 244  
**PAGARA** Walker, 419  
*Paipema* Rockburne & Hardwick,  
 457  
*Palada* J. B. Smith, 482  
*Palasea* Wallengren, 411  
**PALATKA** Hulst, 300  
**PALEACRITA** Riley, 343  
*Palindia* Guenée, 431  
*Palindiona* Hampson, 431  
*Palla* Billberg, 325  
*Pallachira* Grote, 422  
*Palparia* Haworth, 286  
**PALPIDIA** Dyar, 428  
**PALPITA** Hübner, 281  
*Palpocrinia* Kennel, 321  
**PALTHIS** Hübner, 424  
**PALYAS** Guenée, 343  
*Pamene* Rebel, 325  
**PAMMENE** Hübner, 325  
*Pamphila* Fabricius, 363  
*Pamplusia* Guenée, 324  
**PANDEMIS** Hübner, 328  
**PANGRAPTA** Hübner, 427  
*Pania* Dalman, 406  
*Panoplia* Hübner, 324  
**PANOPODA** Guenée, 432  
**PANOQUINA** Hemming, 366  
*Panosmia* Wood-Mason & Niceville,  
 367  
*Pansa* Wallengren, 308  
*Panstegia* Hübner, 274  
*Pansydia* Scudder, 364  
**PANTHEA** Hübner, 451  
**PANTHEINAE**, 451  
*Pantheus* Zimmerman, 235  
*Panthiades*—auct., 376  
*Pantoeocome* Warren, 283  
**PANTOGRAPHIA** Lederer, 282  
*Pantographis* Lederer, 282  
*Pantographia* Hampson, 282  
**PAONIAS** Hübner, 398  
**PAPAPEMA** J. B. Smith, 457  
*Paphia* Hill, 452  
*Paphia*—auct., 386  
**Papilio** Linnaeus, 367  
**PAPILIO** Linnaeus, 367  
**PAPILIONIDAE**, 367  
**PAPILIONIFORMES**, 367  
**PAPILIONINAE**, 367  
**PAPILIONINI**, 367  
**PAPILIONOIDEA**, 359  
*Pappophorus* Walsingham, 260  
*Parabrachmia* Janse, 260  
*Paraceliptera* Draudt, 438  
**PARACHMA** Walker, 291  
*Paracochylis* Razowski, 335  
*Paradosis* Zeller, 281  
*Paraedis* Grote, 271  
*Paraglyphisia* Djakonov, 405  
**PARAHYPENODES** Barnes &  
 McDunnough, 425  
*Paralechia* Busck, 255  
*Paralipoptycha* Obraztsov, 325  
**PARALIPSA** Butler, 294  
*Paralipsa* Spuler, 294  
**PARALLELIA** Hübner, 437  
*Parallelia*—auct., 437  
*Paralobesia* Obraztsov, 318  
**PARAMIDEA** Kuznezov, 371  
*Paramimetica* Warren, 427  
*Paramyelois* Heinrich, 296  
*Paranoea* Walsingham, 260  
*Paranthrena* Herrich-Schäffer, 308  
**PARANTHRENE** Hübner, 308  
*Paranthrenella* Strand, 308  
**PARANTHRENINAE**, 308  
**PARANTHRENINI**, 308  
**PARAPAMEA** Bird, 457  
**PARAPEDIASIA** Bleszynski, 288  
*Parapemea* Tietz, 457  
*Paraphia* Guenée, 342  
*Parapieris* Niceville, 369  
*Paraponyx* Guenée, 268  
**PARAPOYNX** Hübner, 268  
*Paraprays* Rebel, 311  
**PARARGINA**, 387  
*Parargyractis* Lange, 269  
*Parasa* Wallengren, 308  
**PARASA** Moore, 316  
*Parasemia* Hübner, 337  
*Parasia* Duponchel, 254  
*Parasitochroa* Hannemann, 274  
*Parasopia* Möschler, 290  
*Paraspistes* Meyrick, 259  
*Parastagmatophora* Riedl, 252  
*Parasuleima* Clarke, 324  
*Parathisanotia* Kiriakoff, 456  
*Paratiquadra* Walsingham, 311  
*Paratraea* Covell, 397  
**PARATRAEA** Grote, 397  
*Paratrytone*—Dyar, 364  
*Paravalvulia* Căpușe, 250  
*Paraxia* Möschler, 446  
**PARECTOPA** Clemens, 242  
**PAREUCHAETES** Grote, 419  
*Pareupithex* Warren, 353  
*Pargrapta* Grote, 427  
*Paristhmia* Meyrick, 260  
**PAROCHROMOLOPIS** Gaedike,  
 262  
*Paroedis*—auct., 271  
*Parora* J. B. Smith, 427  
*Paroragrotis* Dod, 474  
*Parorgyia* Packard, 409  
**PARORNIX** Spuler, 242  
**PARRHASIUS** Hübner, 376  
*Parthenos* Hübner, 437  
*Parura* Kirby, 372  
*Paryrias* Hampson, 435  
*Paspida* Moore, 437  
*Pasira* Moore, 424  
**PATALENE** Herrich-Schäffer, 349  
*Patissa*—auct., 285  
*Patridava* Walker, 339  
*Patzakia* Căpușe, 250  
**PEBOPS** Hodges, 252  
**PECTINOPHORA** Busck, 259  
**PEDIASIA** Hübner, 287  
*Pegella* Walker, 411  
*Pelagia* Gumpfenberg, 352  
*Pelamia* Guenée, 438  
*Pelecyntis* Meyrick, 281  
**PELEOPODINAE**, 245  
**PELOCHRISTA** Lederer, 322  
*Pelomia* Warren, 438  
*Pelomimas* Meyrick, 246  
*Pendina* Treitschke, 320  
**PENESTOGLOSSINAE**, 238  
**PENESTOLA** Möschler, 279  
*Penicillaria* Guenée, 445  
**PENNISETIA** Dehne, 308  
**PENNISETIINI**, 308  
*Pentapoda* Dyar, 353  
**PENTHESILEA** Ragonot, 291  
*Penthetria* H. Edwards, 447  
*Penthina* Treitschke, 320  
**PEORIA** Ragonot, 305  
**PEORIINI**, 305  
*Peosina* Guenée, 434  
*Percnoptilota* Hulst, 357  
*Pereneia* Lindsey, 364  
*Pergama* Herrich-Schäffer, 345  
**PERICOPINAE**, 413  
**PERICOPINI**, 413  
**PERICOPININA**, 413  
**PERIDEA** Stephens, 405  
**PERIDROMA** Hübner, 478  
*Peridromia* Boisduval, 386  
**PERIGEA** Guenée, 466  
*Perigia* J. B. Smith, 466  
*Perigonia* Walker, 400  
**PERIGONIA** Herrich-Schäffer, 400  
**PERIMEDE** Chambers, 253  
**PERIPOCA** Braun, 253  
**PERISPASTA** Zeller, 272  
**PERO** Herrich-Schäffer, 345  
*Peronea* Curtis, 327  
*Peropalpus* Blanchard, 431  
*Perophora* Harris, 389  
*Perseis* Ragonot, 291  
*Perseistis* Strand, 291  
*Persiscota* Grote, 388  
*Perta* Walker, 427  
*Perygra* Falkovitsh, 250  
*Perygridia* Falkovitsh, 250

- Pessocosma* Meyrick, 277  
*Petaluma* Hulst, 304  
*Petasia*.— Westwood, 404  
*Petersenia* Schütze, 358  
*Petreus* Swainson, 386  
**PETROPHILA** Guilding, 269  
*Petrophora* Hübner, 438  
**PETROPHORA** Hübner, 346  
*Petrova* Heinrich, 321  
*Pexicnemidia* Möschler, 311  
**PEXICOPIINAE**, 258  
*Phacellura* Lederer, 280  
**PHAEACSIOPHORA** Grote, 320  
**PHAEDROPSIS** Warren, 282  
**PHAEOPTERINI**, 418  
*Phaenocyma* Hübner, 435  
**PHAEOSSES** Forbes, 238  
*Phaeoura* Hulst, 345  
*Phaetusa* Chambers, 255  
*Phycodamia* Falkovitsh, 250  
*Phakellura* Guilding, 280  
**PHALAENOPHANA** Grote, 422  
**PHALAEOSTOLA** Grote, 422  
*Phalga* Moore, 445  
*Phalonia* Hübner, 334  
**PHALONIA**.— auct., 335  
*Phanerodoxa* Meyrick, 246  
*Phanessa* Sodoffsky, 381  
**PHANETA** Stephens, 321  
*Phanetoprepia* Obraztsov, 326  
*Pharetra* Hübner, 452  
*Pharmacis* Hübner, 335  
*Pharmacoptis* Meyrick, 252  
*Pharnacisa* Forbes, 469  
*Phemonoe* H. Edwards, 310  
*Pheobis* Fine, 372  
**PHEROECCA** Hinton & Bradley, 236  
*Phiciodes* Hübner, 384  
*Phigalia* Chambers, 247  
**PHIGALIA** Duponchel, 342  
**PHILAGRAULA** Hulst, 336  
*Philalcea* Stephens, 324  
**PHILAMPELINI**, 401  
*Philampelus* Harris, 401  
*Philampilus* Schaufuss, 401  
*Phillonome* Chambers, 265  
*Philobia* Duponchel, 337  
*Philocala* Billberg, 386  
*Philochrysa* Grote, 474  
*Philodoxa* Gistel, 232  
*Philometra* Grote, 422  
*Philomma* Grote, 480  
**PHILONOME** Chambers, 265  
*Philorgyia* Grote, 452  
*Phineca* Walker, 451  
*Phinx* Fuessly, 397  
*Phiprosopus* Dyar, 428  
*Phlaeodes* Guenée, 324  
*Phlegethontius* Hübner, 396  
*Phlogris* Hübner, 380  
*Phloiophila* Duponchel, 328  
*Phlongia* Walker, 234  
*Phlopyra* Guenée, 459  
**PHLYCTAENIA** Hübner, 272  
**PHLYCTAINA** Möschler, 423  
**PHOBERIA** Hübner, 432  
**PHOBETRON** Hübner, 315  
*Phobetrum* Agassiz, 315  
**PHOCIDES** Hübner, 359  
**PHOEBIS** Hübner, 372  
**PHOLISORA** Scudder, 362  
*Pholus* Hübner, 401  
**PHORMOESTES** Heppner, 311  
*Phornacisa* Walker, 469  
**PHOSPILA** Hübner, 458  
*Photedes* Lederer, 456  
*Phothedes* Lederer, 456  
*Phoxopteria* Wolcott, 324  
*Phoxopteris* Treitschke, 324  
*Phoxopteryx* Sodoffsky, 324  
**PHRUDOCENTRA** Warren, 350  
*Phrygionia* Covell, 343  
**PHRYGIONIS** Hübner, 343  
*Phryne* Grote, 315  
**PHRYXUS** Hübner, 400  
**PHTHEOCHROA** Stephens, 335  
*Phthinolophus* Dyar, 321  
**PHTHORIMAEA** Meyrick, 256  
*Phthoroblastis* Lederer, 325  
**PHUPHENA** Walker, 459  
*Phurys*.— auct., 438  
*Phya* Druce, 409  
*Phycanassa* Scudder, 364  
*Phycidea* Zeller, 301  
*Phycidicera* Snellen, 281  
**PHYCIDIODES** Hübner, 384  
*Phyciodes*.— auct., 385  
**PHYCITINAE**, 294  
**PHYCITINI**, 294  
**PHYCITODES** Hampson, 301  
*Phylace* Hulst, 356  
*Phylacophora* Filippi, 328  
*Phylacteritis* Meyrick, 333  
*Phyletis* Guenée, 354  
**PHYLLOCNISTINAE**, 243  
**PHYLLOCNISTIS** Zeller, 243  
*Phyllocnitis* Busck, 243  
*Phylloidesema* Kloet & Hincks, 390  
**PHYLLODESMA** Hübner, 390  
*Phylloecia* Guérin-Méneville, 421  
*Phylloenistis* Chambers, 243  
*Phylloetis* Chambers, 243  
**PHYLLONORYCTER** Hübner, 242  
*Phyllorycter* Walsingham, 243  
*Phylloschema* Falkovitsh, 249  
**PHYPROSOPUS** Grote, 428  
*Phyratocosma* Meyrick, 269  
*Physostegania* Warren, 337  
*Physostegania* Warren, 337  
**PHYSULA** Guenée, 423  
**PHYTOMETRA** Haworth, 427  
*Picroptera* Janse, 260  
**PIERIDAE**, 369  
**PIERINAE**, 369  
**PIERINI**, 369  
**PIERIS** Schrank, 370  
*Pieris*.— auct., 369  
**PIGRITIA** Clemens, 249  
**PIGRITIINI**, 249  
*Pilanophora* Walsingham, 234  
*Pilemia* Möschler, 277  
**PILOCROCIS** Lederer, 284  
*Piloptila* Swinhoe, 283  
**PIMAPHERA** Cassino & Swett, 339  
*Pimela* Clemens, 313  
*Pinaris* Hübner, 244  
*Pincia* Walker, 427  
*Pindara* Moore, 437  
*Pinipestis* Grote, 298  
*Pionea* Guenée, 271  
*Pippona* Harvey, 482  
*Pistogenes* Meyrick, 302  
*Pityo* Chambers, 235  
*Pityolita* Grote, 422  
*Pitys* Chambers, 235  
*Placonia* Möschler, 435  
*Placostola* Meyrick, 246  
**PLAGIOMIMICUS** Grote, 467  
**PLAGODIS** Hübner, 347  
*Planosa* Fitch, 389  
*Platagrotis* J. B. Smith, 479  
*Plataplecta* Butler, 452  
**PLATHYPENA** Grote, 426  
*Platoeceticus* Packard, 239  
**PLATPHALONIDIA** Razowski, 335  
*Platycerura* Packard, 451  
**PLATYNOTA** Clemens, 333  
**PLATYPTILIA** Hübner, 306  
**PLATYPTILIINI**, 305  
*Platypilus* Zeller, 306  
*Platysamia* Grote, 395  
*Platysenta* Grote, 466  
*Platytes*.— auct., 289  
*Platythyris* Grote & Robinson, 266  
*Plectopteron* Hutton, 394  
*Plegmidia* Falkovitsh, 249  
*Pleionocentra* Warren, 354  
*Plemyria* Hübner, 357  
*Pleonectyptera* Grote, 426  
*Pleurasympieza* Möschler, 446  
**PLEUROPRUCHA** Möschler, 353  
**PLEUROPTYA** Meyrick, 282  
*Plocamosaris* Meyrick, 260  
**PLODIA** Guenée, 303  
*Ploeophora* Dietz, 249  
*Ploiophora* Dietz, 249  
*Pluciodonta* Desmarest, 429  
**PLUMEGESTA** Munroe, 270  
*Plusia*.— auct., 444  
*Plusia*.— auct., 444  
*Plusia*.— Forbes, 442  
*Plusia*.— Forbes, 443  
*Plusia*.— Forbes, 443  
*Plusia*.— Forbes, 443  
*Plusia*.— Forbes, 444  
*Plusia*.— Forbes, 444  
*Plusia*.— Forbes, 444  
**PLUSIINA**, 444  
**PLUSIINAE**, 442  
**PLUSIINI**, 444  
**PLUSIODONTA** Guenée, 429  
**PLUTELLA** Schrank, 263  
**PLUTELLIDAE**, 263  
**PLUTELLINAE**, 263  
**POANES** Scudder, 364  
*Poaphila* Guenée, 439  
**POCOCERA** Zeller, 292  
*Podalia* Walker, 313  
*Poderis* Boisduval, 308  
**PODIASA** Busck, 264  
**PODOSESIA** Möschler, 310  
*Poecilia* Schrank, 455  
*Poecilochroma* Stephens, 324  
*Poecilopsis* Harrison, 342  
*Poeciloptera* Clemens, 264  
*Poeciloptilia* Herrich-Schäffer, 247  
*Poeciloptilia* Hübner, 241  
*Pogocolon* Boisduval, 402  
*Pogonogya* Warren, 353  
*Polenta* Morrison, 467  
*Polia* Boisduval, 470  
**POLIA** Ochsenheimer, 470  
*Polingia* Barnes & McDunnough, 274  
*Poliiothripa* Hampson, 434  
**POLITES** Scudder, 363  
*Polychrosis* Ragonot, 318  
**POLYGONIA** Hübner, 381  
**POLYGONUS** Hübner, 359  
**POLYGRAMMATE** Hübner, 455  
**POLYGRAMMODES** Guenée, 281  
*Polygraphodes* Warren, 353  
**POLYHYMNO** Chambers, 258  
**POLYOMMATINAE**, 377  
*Polyorycta* Warren, 449  
*Polyogon*.— Poole, 422  
*Polysemia* Guenée, 336  
*Pomeria* Barnes & McDunnough, 313  
**POMPEIUS** Evans, 364  
*Pompostola* Meyrick, 235  
**POMPOSTOLELLA** Fletcher, 235  
**PONOMETIA** Herrich-Schäffer, 450  
**PONTIA** Fabricius, 369  
*Pontoturanina* Obraztsov, 335  
*Porosagrotis* J. B. Smith, 474  
*Porpe* Hübner, 311  
*Porphyria* Hübner, 449  
*Porphyritis* Hübner, 274  
**PORPHYROSELA** Braun, 243  
*Porrectaria* Haworth, 249  
*Porrina* Grote, 482  
*Porrotha* Gistel, 451  
**PORTENTOMORPHA** Amsel, 275  
*Porthetria* Hübner, 411  
*Postvinclula* Căpușe, 250  
**PRAECEDES** Amsel, 237  
*Pramila* Moore, 308  
*Prasodryas* Meyrick, 260  
*Precis*.— auct., 383  
*Premelittia* LeCerf, 308  
*Prenes* Scudder, 366  
*Princeps* Hübner, 367  
*Priocycla* Guenée, 346  
**PRIONAPTERYX** Stephens, 286  
*Prionopteryx* Zeller, 286  
**PRIONOXYSTUS** Grote, 314  
*Prionyxstus* Barnes & McDunnough, 314  
*Proactias* Arora & Gupta, 394  
**PROBLEMA** Skinner & Williams, 364  
**PROBOLE** Herrich-Schäffer, 347  
*Proceras*.— auct., 289  
**PROCHALIA** Barnes & McDunnough, 239  
**PROCHOERODES** Grote, 349  
*Prochoreutis* Heppner, 311  
**PROCHOREUTIS** Diakonoff & Heppner, 311  
**PROCRIDINAE**, 312  
*Procus* Agassiz, 456  
*Procus* Oken, 456  
*Prodenia* Guenée, 460  
*Prodotaula* Meyrick, 284  
**PRODOXIDAE**, 233  
**PRODOXUS** Riley, 233  
*Profoparce* ZR, 396  
*Proglaseria* Căpușe, 250  
*Progonia* Dietz, 236  
**PROLEUCOPTERA** Busck, 265  
**PROLIMACODES** Schaus, 315  
*Promiba* Kirby, 233  
*Pronuba* Riley, 233  
**PROPERIGEIA** Barnes & Benjamin, 458  
*Propexus* Grote, 288  
*Prophasiane* McDunnough, 338  
*Prophoraula* Meyrick, 260  
*Propira* Durrant, 335  
**PROROBLEMA** Hampson, 450  
*Prorodica* Dietz, 249  
*Prosagrotis* Warren, 477  
**PROSERPINUS** Hübner, 402  
*Prosodica* Walsingham, 249  
**PROSOPARIA** Grote, 424  
*Prospasta* Warren, 353  
*Prosthesis* Walsingham, 248  
**PROSTOMEUS** Busck, 259  
*Protambulix* Wood, 398  
**PROTAMBULYX** Rothschild & Jordan, 398  
*Protaulacis* Meyrick, 275  
*Protaumeris* Lemaire, 392  
*Protautomeris* Packard, 392  
**PROTEIDES** Hübner, 359  
*Proteopteryx* Walsingham, 324

- PROTEOTERAS** Riley, 323  
*Protersilaus* Swainson, 369  
*Prothymia* Hübner, 427  
**PROTOBOARMIA** McDunnough, 341  
*Protocolletis* Meyrick, 275  
*Protocryphia* Barnes & McDunnough, 448  
*Protoleucania* McDunnough, 471  
*Protoparce* Burmeister, 396  
**PROTORTHODES** McDunnough, 473  
*Proutictis* Bryk, 337  
*Proutictis* Bryk, 338  
*Psacaphora* Herrich-Schäffer, 251  
*Psamatoscopa* Meyrick, 259  
*Psamatodes* Guenée, 337  
*Psammatodes* Packard, 337  
*Psammia* Hampson, 300  
*Psammophila* Stephens, 474  
**PSAPHIDA** Walker, 469  
*Psaphidia* Dyar, 469  
**PSAPHIDINI**, 469  
**PSARA** Snellen, 283  
*Psecadia* Hübner, 245  
**PSELNOPHORUS** Wallengren, 307  
*Psephocrita* Meyrick, 234  
**PSEUDACONTIA** J. B. Smith, 470  
*Pseudaglossa* Grote, 421  
**PSEUDALETIA** Franclemont, 471  
*Pseudanaphora* Walsingham, 234  
*Pseudangerona* Moore, 339  
**PSEUDANTHRACIA** Grote, 435  
**PSEUDASOPIA** Grote, 290  
*Pseudocraspedia* Hampson, 425  
*Pseudepunda* Butler, 452  
**PSEUDEROTIS** Clarke, 245  
*Pseudeucosma* Obraztsov, 322  
**PSEUDEUSTROTIA** Warren, 448  
**PSEUDEXENTERA** Heinrich, 323  
*Pseudoboarmia* McDunnough, 339  
*Pseudocaprina* Walsingham, 312  
**PSEUDOCHARIS** Druce, 420  
**PSEUDOCHELARIA** Dietz, 256  
*Pseudochoreutis* Hampson, 276  
*Pseudochoreutis* Snellen, 276  
*Pseudocnephylis* Walsingham, 234  
*Pseudocraspedia* auct., 425  
**PSEUDOGALLERIA** Ragonot, 327  
*Pseudohazis* Grote & Robinson, 392  
*Pseudoisturgia* Povolný & Moucha, 338  
*Pseudoleucania* McDunnough, 471  
*Pseudolimacodes* Grote, 459  
*Pseudomacalla* Dognin, 292  
*Pseudomicra* Butler, 427  
*Pseudophinx* Burmeister, 399  
*Pseudopigritia* Dietz, 249  
**PSEUDOPLUSIA** McDunnough, 443  
**PSEUDOPOSTEGA** Koslov, 232  
*Pseudopsyche* H. Edwards, 317  
*Pseudopunda* Hampson, 452  
**PSEUDOPYRAUSTA** Amsel, 271  
*Pseudosecia* Dalla Torre & Strand, 308  
*Pseudoesia* C. Felder, 308  
*Pseudoesetia* Boisduval, 308  
**PSEUDOSPHINX** Burmeister, 399  
*Pseudotamila* J. B. Smith, 482  
**PSEUDOTELPHUSA** Janse, 256  
**PSEUDOTHYRIS** Thiele, 266  
*Pseudotomia* Stephens, 325  
*Pseudotomoides* Obraztsov, 326  
*Psilephyra* Bastelberger, 355  
**PSILOCORIS** Clemens, 244  
*Psilura* Stephens, 411  
*Psuedotalara* Druce, 312
- PSYCHIDAE**, 238  
**PSYCHINAE**, 239  
**PSYCHOMORPHA** Harris, 456  
*Ptenopoda* Hulst, 353  
*Pteraetholix* Grote, 449  
**PTEROCYPHA** Herrich-Schäffer, 357  
*Pterogon* Boisduval, 402  
**PTEROPHORIDAE**, 305  
**PTEROPHORINAE**, 305  
**PTEROPHORINI**, 307  
**PTEROPHOROIDEA**, 305  
*Pterophorus*—Spuler, 307  
*Pteropogon* Meigen, 402  
*Pteroscia* Morrison, 479  
**Pterourus** Scopoli, 368  
*Pterygisis* Butler, 277  
*Prichodes* Poole, 438  
**PTICHODIS** Hübner, 438  
*Ptiloptila* Hampson, 283  
*Ptochopsyche* Grote, 389  
*Ptychamorbia* Walsingham, 334  
**PTYCHOLOMA** Stephens, 331  
*Ptychopoda* Curtis, 352  
*Publicalvaria* Freeman, 255  
*Purbia* Moore, 429  
*Pycitis* Hübner, 352  
*Pygaera* auct., 404  
*Pygaera*—Harris, 404  
**PYGARTIA** Grote, 419  
*Pygolopha* Lederer, 321  
*Pylarge* Herrich-Schäffer, 354  
**PYRALIDAE**, 267  
*Pyralidesthes* Warren, 427  
*Pyralidia* C. Felder, 413  
**PYRALINAE**, 290  
**PYRALININA**, 290  
**PYRALIS** Linnaeus, 290  
**PYRALOIDEA**, 266  
*Pyrameis* Hübner, 381  
*Pyramocera* Butler, 411  
**PYRAUSTA** Schrank, 274  
*Pyraustes* Billberg, 274  
**PYRAUSTINAE**, 271  
*Pyraustopsis* Amsel, 275  
**PYREFERRA** Franclemont, 468  
**PYRGINAE**, 359  
**PYRGUS** Hübner, 361  
*Pyrisitia* Butler, 373  
**PYRODERCES** Herrich-Schäffer, 252  
*Pyrodes* Guenée, 325  
*Pyromorpha* Herrich-Schäffer, 312  
**PYROMORPHA** Herrich-Schäffer, 312  
*Pyrophila* Stephens, 459  
*Pyrrhanaea* Röber, 386  
**PYRRHARTIA** Packard, 414  
**PYRRHIA** Hübner, 480  
*Pyrrhocalles*, 62  
*Pyrrhomorpha* H. Edwards, 312  
*Pyrrhosidia* Scudder, 363  
*Pyrrhosticta* Butler, 367  
*Pyrrhosydia* auct., 363  
*Pyrrhotaenia* Grote, 309  
*Pythodora* Meyrick, 352  
*Quadratia* Căpușe, 250  
*Racheospila* Guenée, 350  
**RACHIPLUSIA** Hampson, 444  
**RAGONOTIA** Grote, 300  
*Ramosia* Engelhardt, 309  
*Raparna*—auct., 430  
**RAPHIA** Hübner, 452  
**RAPHIPTERA** Hampson, 287  
*Rapona* Schaus, 277  
*Rapoona* Hedemann, 277  
*Ravigia* Dyar, 313  
*Razowskia* Căpușe, 249
- RECTIOSTOMA** Becker, 246  
**RECURVARIA** Haworth, 255  
**REDECTIS** Nye, 424  
*Relmis* Dyar, 301  
*Remigia* Guenée, 438  
**RENIA** Guenée, 423  
*Repa* Walker, 413  
*Restidia* Dyar, 291  
**RETINIA** Guenée, 321  
*Rezia* Kirby, 420  
*Rhabdoides* Scudder, 360  
*Rhacodia* Hübner, 327  
*Rhadinophylla* Turner, 260  
*Rhagonis* Walker, 415  
*Rhamnia* Căpușe, 250  
*Rhamphodes* Guenée, 297  
**RHAMPHURA** J. Landry, 254  
*Rhaphia* Agassiz, 452  
*Rhaphidodemas* Hulst, 342  
*Rhazunda* Walker, 424  
**RHECTOCRASPEDA** Warren, 277  
*Rhectothis* Warren, 277  
*Rheumaptera* Hübner, 356  
**RHEUMAPTERA** Hübner, 356  
**RHEUMAPTERINI**, 356  
*Rheumatoptera* Gumpfenberg, 356  
*Rhilotis* Ragonot, 290  
*Rhinaxime* Davis, 315  
*Rhinaxina* Berg, 315  
*Rhinodia* Treitschke, 260  
*Rhizolitia* Curtis, 468  
*Rhobonda* Walker, 260  
*Rhacodia* Hübner, 327  
*Rhodaria* Guenée, 274  
*Rhodocera*—auct., 372  
*Rhododipsa* Grote, 482  
**RHODOECIA** Hampson, 480  
**RHODONEURA** Guenée, 266  
*Rhodophora* Guenée, 482  
*Rhodosea* Grote, 481  
**RHOPOBOTA** Lederer, 324  
*Rhubina* Hampson, 435  
*Rhubuna* Walker, 435  
*Rhumaptera* Kirby, 356  
**RHYACIONIA** Hübner, 320  
**RHYNCHOPALPUS** Hampson, 446  
*Rhynchotona* Meyrick, 260  
*Rhyagla* Nye, 449  
*Rhytia* Hübner, 429  
**RIBUA** Heinrich, 303  
**RICHIA** Grote, 478  
**RICULA** Heinrich, 325  
**RIFARGIA** Walker, 406  
**RIODINIDAE**, 379  
**RIODININAE**, 379  
*Ripogenus* Grote, 445  
*Ripula* Guenée, 349  
**RISOBINI**, 445  
*Ristra* Walker, 429  
**RIVULA** Guenée, 424  
*Rivulana* Bethune-Baker, 424  
**RIVULINAE**, 424  
*Roeselia* Hübner, 447  
*Rotruda* Heinrich, 301  
*Roxana* Stephens, 320  
**RUENIA** Razowski, 335  
**RUMATHA** Heinrich, 302  
*Runeca* Moore, 354  
**RUPELA** Walker, 285  
*Rusicada* Walker, 429  
*Rusina*—Hampson, 469  
*Sacatia* Walker, 290  
*Saccophora* Harris, 389  
*Sacculia* Căpușe, 250  
*Sadengia* Moore, 367  
*Safetula* Hampson, 276  
*Safia* Guenée, 435
- Sagaritis* Chambers, 260  
*Sainia* Moore, 367  
*Salacia* Boie, 470  
**SALBIA** Guenée, 284  
*Salbiomorpha* Snellen, 284  
**SALEBRIARIA** Heinrich, 297  
*Salis* Hübner, 424  
*Salis*—auct., 424  
*Sallya* Hemming, 385  
*Salobrana* Fernald, 291  
**SALOBRENA** Walker, 291  
*Saluda* Hulst, 292  
**SAMEA** Guenée, 277  
*Sameodes*—auct., 277  
*Samia*—auct., 395  
*Sanacea* Walker, 426  
*Sangata* Walker, 409  
**SANNINA** Walker, 310  
*Sanninoidea* Beutenmüller, 309  
*Santuzza* Heinrich, 246  
*Sapinella* Kirby, 234  
*Saraca* Walker, 427  
**SARASOTA** Hulst, 296  
*Sarbaria* Moore, 367  
*Sarbena* Walker, 312  
*Sarbena*—auct., 446  
*Sarega* Mabilie, 362  
*Sarodria* Sodoffshy, 354  
*Sarothricha* Meyrick, 446  
*Sarothripa* Rogenhofer, 446  
*Sarothrips* Agassiz, 446  
*Sarothronota* Lederer, 281  
*Sarothropyga* Felder, 411  
*Sarothripa* Duponchel, 446  
**SARROTHRIPINAE**, 445  
**SARROTHRIPINI**, 446  
*Sarothrips* Curtis, 446  
*Saserna* Druce, 431  
*Sasunaga* Moore, 459  
**SATHRIA** Lederer, 283  
*Sathrobrotia* Hodges, 252  
*Sathrogenes* Meyrick, 260  
**SATRONIA** Heinrich, 325  
**SATURNIIDAE**, 391  
**SATURNIIFORMES**, 391  
**SATURNIINAE**, 393  
**SATURNINI**, 393  
**SATYRINAE**, 387  
**SATYRININA**, 386  
**SATYRIUM** Scudder, 374  
**SATYRODES** Scudder, 387  
*Saunina* Boisduval, 310  
*Scabisa* Matsumura, 309  
*Scaecocera* Meyrick, 279  
*Scalescepon* Möschler, 422  
*Scalidoneura* Butler, 371  
*Scantilla* Godman & Salvin, 360  
**SCARDIA** Treitschke, 236  
**SCARDIELLA** Robinson, 236  
**SCARDIINAE**, 236  
*Scelolophia* Hulst, 355  
**SCELORTHUS** Busck, 265  
*Scelotrix* Rambur, 361  
*Scepsis* Walker, 420  
**SCEPTA** Walsingham, 247  
*Sceptia* McDunnough, 247  
*Schausiana* Strand, 314  
*Schazama* Schaus, 445  
*Schematistis* Meyrick, 260  
*Schematorhages* Warren, 353  
**SCHIDAX** Hübner, 336  
**SCHINIA** Hübner, 482  
*Schistodepressaria* Spuler, 244  
**SCHIZURA** Doubleday, 408  
**SCHOENOBINAE**, 285  
*Schoenobius*—auct., 285  
*Schrankia* Guenée, 425  
*Schrankia* Herrich-Schäffer, 425



- SCHRANKIA** Hübner, 425  
*Sciagraphia* Hulst, 337  
*Sciapteron* Staudinger, 308  
*Sciapterum* Bartel, 308  
*Scintilla* Guenée, 264  
*Sciorista* Warren, 274  
*Sciota* Hulst, 298  
*Scirpophaga*— auct., 285  
*Scleriductia* Căpușe, 250  
*Scoedisa* Walker, 429  
**SCOLECOCAMPA** Guenée, 428  
*Scoliocampa* Walker, 428  
**SCOPARIA** Haworth, 267  
**SCOPARIINAE**, 267  
*Scopea* Haworth, 267  
*Scopelopus* Stephens, 426  
*Scopolia* Hübner, 271  
*Scoptonoma* Zeller, 275  
**SCOPULA** Schrank, 354  
**SCOPULINI**, 354  
**SCORYLUS** Heinrich, 296  
*Scotia* Hannemann, 298  
*Scotia* Hübner, 474  
*Scotophila* Hübner, 459  
*Scudder* Grote, 381  
*Scythobrya* Boursin, 455  
**SCYTHRIDIDAE**, 254  
**SCYTHRIS** Hübner, 254  
*Sebuntia* Walker, 281  
*Segetia* Stephens, 479  
*Seiartia* Stretch, 415  
**SEIRARCTIA** Packard, 415  
*Selenis* Guenée, 435  
**SELENISA** Hayward, 435  
*Semaphora* Guenée, 452  
*Semasia* Stephens, 326  
*Sematophora* Agassiz, 452  
*Semele* Chambers, 235  
*Semiomeris* Meyrick, 260  
*Semiophora* Stephens, 473  
*Semiota* Dietz, 237  
**SEMIOTHISA** Hübner, 337  
**SEMIOTHISINI**, 337  
*Semopsyche* Scudder, 384  
*Seneca* Hulst, 294  
*Septis* Hübner, 456  
**SEREDA** Heinrich, 326  
**SERICAGLAEA** Franclemont, 468  
*Sericaria* Berthold, 411  
*Sericoglaea* Knudson & Bordelon, 468  
**SERICOPLAGA** Warren, 273  
**SERICOPTERA** Herrich-Schäffer, 349  
*Serraca* Moore, 339  
*Sesia*— auct., 400  
**SESIIDAE**, 308  
**SESIINA**, 308  
**SESIINAE**, 308  
**SESIODEA**, 308  
*Sestia* Snellen, 280  
*Setiostoma* Zeller, 246  
**SETOMORPHA** Zeller, 237  
**SETOMORPHINAE**, 237  
*Shinia* Lombardini, 482  
*Siavana* Walker, 432  
*Sibere* Anon., 317  
*Sibine* Herrich-Schäffer, 317  
**SICULODINAE**, 266  
*Sicyonia* Hübner, 380  
*Sicyrosea* Kirby, 316  
*Sideria* auct., 324  
*Sideria* Guenée, 324  
*Siderograptis* Meyrick, 246  
*Siganorosis* Wallengren, 244  
**SIGELA** Hulst, 425  
*Signaphora* Engelhardt, 309  
*Silacida* Swinhoe, 445  
*Silveria* Dyar, 289  
**SIMYRA** Ochseneheimer, 455  
**SINOE** Chambers, 255  
*Siparocera* Robinson, 291  
*Siparocera* Robinson, 291  
**SIPROETA** Hübner, 383  
*Siriocauta* Lederer, 277  
*Sirogenes* Meyrick, 260  
*Sironia* Clemens, 268  
**SISKIWIITIA** Hodges, 253  
*Sisputa* Möschler, 427  
*Sisyrhyphen* Grote, 422  
*Sisyrosea* Grote, 316  
**SITOCHROA** Hübner, 273  
**SITOTROGA** Heinemann, 259  
*Sitrotoga* Kimball, 259  
*Symra* Warren, 455  
**SLOSSONELLA** Dyar, 314  
**SMERINTHINI**, 398  
**SMERINTHUS** Latreille, 398  
*Smerynthus* Cantener, 398  
*Smicrotes* Clemens, 331  
*Somatamia* Kimball, 277  
*Somatania* Möschler, 277  
**SONIA** Heinrich, 323  
*Sonthonnaxia* Watson, 394  
*Sosiosa* Kirby, 316  
*Sospita* H. Edwards, 310  
*Sothria* Agassiz, 354  
*Sozoa* Walker, 279  
**SPALGINI**, 374  
*Spanista* Lederer, 276  
**SPARGANOTHIDINI**, 331  
**SPARGANOTHIS** Hübner, 331  
*Sparganothis* Stephens, 332  
*Sparganythis* Matsumura, 332  
*Spargeta* Lederer, 281  
*Sparganothis* Hübner, 331  
*Spectrum* Scopoli, 397  
**SPEOCROPIA** Hampson, 459  
*Speranza* Curtis, 337  
*Speranza* Curtis, 337  
**SPEYERIA** Scudder, 384  
**SPHACELODES** Guenée, 346  
**SPHACELODINI**, 346  
*Sphaenogona* Butler, 373  
*Sphaeroeca* Meyrick, 325  
*Sphécodes* Hübner, 343  
*Sphécodes* Hübner, 343  
*Sphécodes* Hübner, 354  
**SPHECODINA** Blanchard, 402  
**SPHENARCHES** Meyrick, 305  
*Sphenarchis* Tutt, 305  
*Sphenarctes* Carus, 305  
*Sphida* Grote, 458  
**SPHINGICAMPA** Walsh, 391  
**SPHINGIDAE**, 395  
**SPHINGINAE**, 395  
**SPHINGINI**, 395  
**SPHINGOIDEA**, 395  
**SPHINX** Linnaeus, 397  
*Sphyngicampa* Travassos & Noronha, 391  
*Sphinx* Pallas, 397  
*Spilarctia* Butler, 415  
*Spilodes* Guenée, 273  
**SPILOLOMA** Grote, 439  
**SPILOMELINAE**, 275  
**SPIILONOTA** Stephens, 321  
**SPILOSOMA** Curtis, 415  
*Spinuncina* Wehrli, 338  
*Spirocera* Herrich-Schäffer, 315  
**SPODOPTERA** Guenée, 460  
*Spodosoma* auct., 460  
**SPOLADEA** Guenée, 278  
**SPRAGUEIA** Grote, 450  
*Spragueria* Köhler, 450  
*Spyngicampa* Travassos & Noronha, 391  
*Spyrella* Rafinesque, 290  
**STAGMATOPHORA** Herrich-Schäffer, 252  
*Stantira* Walker, 275  
**STAPHYLUS** Godman & Salvin, 360  
**STATHMOPODA** Herrich-Schäffer, 246  
**STATHMOPODINI**, 246  
*Statina* Ragonot, 305  
*Steganolophia* Stephens, 356  
*Steganoptychia* Stephens, 324  
**STEGASTA** Meyrick, 258  
**STEGEA** Munroe, 270  
*Stenaspilates* Packard, 345  
**STENASPILATODES** Franclemont & Poole, 345  
**STENIODES** Snellen, 279  
*Stenocharis* Grossbeck, 345  
*Stenodonta* Warren, 345  
**STENOMATINAE**, 245  
*Stenophaea* Hampson, 419  
*Stenophyes* Lederer, 277  
*Stenopteryx* Guenée, 277  
**STENOPTILIA** Hübner, 306  
**STENOPTILODES** Zimmerman, 306  
*Stenoptycha* Heinemann, 302  
*Stenoptycha* Zeller, 275  
*Stenotrachelys* Guenée, 345  
*Stenozethes* Hampson, 427  
*Stenurges* Lederer, 282  
*Steriphotis* Meyrick, 318  
*Sterrha* Hübner, 352  
**STERRHINAE**, 352  
**STERRHINI**, 352  
*Stibadium* Grote, 467  
*Stichotactis* Meyrick, 311  
*Stigmalla* Herrich-Schäffer, 231  
**STIGMELLA** Schrank, 231  
*Stigmonota* Guenée, 326  
**STILBOSIS** Clemens, 253  
*Stimma* Guenée, 428  
**STIRIA** Grote, 467  
**STIRIINI**, 467  
**STIRIODES** Hampson, 467  
*Stollia* Căpușe, 249  
*Stomopteryx*— auct., 258  
*Storteria* Barnes & McDunnough, 285  
*Strabea* Schaus, 428  
*Strenoloma* Grote, 439  
**STREPSICRATES** Meyrick, 321  
**STREPTOPALPIA** Hampson, 291  
*Stridova* Walker, 449  
**STRIGLININAE**, 266  
**STROBISIA** Clemens, 259  
*Strophoptila* Warren, 353  
*Strymax* Dyar, 301  
**STRYMON** Hübner, 376  
*Strymonidia* Tutt, 376  
**STRYMONINI**, 374  
**STYLOPALPIA** Hampson, 298  
*Subacronicta* Kozhanchikov, 452  
*Subargyrotaenia* Obrastsov, 328  
*Subrita* Walker, 446  
*Sudariophora* Zeller, 428  
**SUFETULA** Walker, 276  
*Suireia* Căpușe, 249  
**SULEIMA** Heinrich, 323  
*Sulychra* Butler, 313  
*Sunias* Hübner, 380  
**SUNIRA** Franclemont, 468  
*Susumia* Marumo, 284  
*Syblis* Guenée, 264  
*Sycionia* Hübner, 380  
*Sylectra* Hübner, 432  
**SYLLECTRA** Hübner, 432  
*Syllochitis* Meyrick, 244  
*Syllythria* Hübner, 274  
*Sylvora* Engelhardt, 309  
*Syma* Stephens, 456  
*Symira* Hübner, 455  
*Symmachia* Sodoffsky, 363  
**SYMMERISTA** Hübner, 406  
**SYMMETRISCHEMA** Povolný, 256  
**SYMMOCINAE**, 247  
*Sympherta* Hulst, 337  
*Symphypoda* Falkovitsh, 249  
*Synadia* Walker, 264  
**SYNANTHEDON** Hübner, 309  
**SYNANTHEDONINI**, 309  
*Synathedon* Wolfsberger, 309  
*Synchloe* Hübner, 369  
**SYNCHLORA** Guenée, 351  
**SYNCHLORINI**, 351  
*Synchromia* Guenée, 274  
**SYNCLERA** Lederer, 280  
**SYNCLITA** Lederer, 268  
**SYNCOPACMA** Meyrick, 258  
*Synctera* Möschler, 280  
*Syndalimia* Hübner, 348  
**SYNDEMIS** Hübner, 331  
*Syneda* Guenée, 433  
*Synedoida* H. Edwards, 433  
*Synelys* Hulst, 354  
*Synemia* Guenée, 345  
**SYNGAMIA** Guenée, 284  
*Syngenomictis* Meyrick, 259  
*Synomila* Hulst, 353  
*Syntauruchoides* Sharp, 377  
*Syntaurucoides* Kaye, 377  
*Syntomedia* Fine, 420  
**SYNTOMEIDA** Harris, 420  
*Syrhodia* Hübner, 344  
*Syrrhoedia* Wolcott, 344  
**SYSRACERA** Möschler, 279  
*Syssaura*— auct., 349  
*Systasiota* Walsingham, 259  
*Systrophoea* Falkovitsh, 249  
*Szygia* Grote & Robinson, 396  
*Tachasara* Walker, 234  
*Tachyptilia* Heinemann, 258  
*Tachyris* Wallace, 369  
*Tacles* Sonthonnax, 391  
**TACPARIA** Walker, 346  
*Tadana* Walker, 407  
*Taeniocampa* Guenée, 473  
*Tafalla* Walker, 429  
**TALLULA** Hulst, 292  
*Talpocharis* Pagenstecher, 449  
**TALPONIA** Heinrich, 325  
*Tamarrha* Walker, 245  
*Tamera* Moore, 367  
*Tamila* Guenée, 482  
**TAMPA** Ragonot, 304  
*Tamseale* Nye, 445  
*Tanada* Walker, 419  
*Taniva* Heinrich, 318  
*Tantura* Kirby, 447  
**TANYGONA** Braun, 252  
*Taphrosaris* Meyrick, 260  
*Tarache* Hübner, 451  
*Tarachia* Hübner, 358  
**TARACHIDIA** Hampson, 450  
*Targalodes* Holland, 445  
*Tarsa* Walker, 308  
**TATHORHYNCHUS** Hampson, 426  
*Tathorhynchus* Bethune-Baker, 426  
*Tathorhynchus* Townsend, 426  
**TAYGETE** Chambers, 255  
**TEBENNA** Billberg, 311  
*Tebeuna* Danilevsky, 311

- TEGETICULA** Zeller, 233  
*Teia* Walker, 410  
*Teinotarsina* C. Felder, 309  
*Telea* Hübner, 393  
*Telea* Stephens, 255  
*Teleia* Hübner, 327  
*Teleomorpha* Warren, 361  
*Telmia* Hübner, 476  
**TELPHUSA** Chambers, 256  
*Tephroclystia* Hübner, 358  
*Tephrosia* Boisduval, 341  
*Teras* Treitschke, 328  
**TERASTIA** Guenée, 282  
*Teratocera* Guenée, 432  
*Terias*— auct., 373  
*Tersatia* Lederer, 282  
**TETANOLITA** Grote, 422  
*Tetracharis* Grote, 370  
*Tetrachila* Hübner, 286  
**TETRACIS** Guenée, 348  
*Tetralopha* Zeller, 292  
*Tetraprosopius* Butler, 267  
*Teuchophanes* Meyrick, 259  
*Teucronoma* Meyrick, 291  
*Thalomicra* Spuler, 449  
*Thalpocharis* Lederer, 449  
*Thammonoma* Lederer, 337  
*Thamnonoma* Lederer, 337  
*Thamnosphesia* Spuler, 309  
*Thanaos* Boisduval, 361  
**THAUMATOGRAPHIA** Walsingham, 335  
**THAUMATOPSIS** Morrison, 288  
**THECLINAE**, 374  
**THEISOA** Chambers, 254  
*Thelcteria* Lederer, 269  
*Thelda* Walker, 285  
*Thelea* Gauckler, 394  
*Thelethia* Dyar, 233  
*Thelidora* Möschler, 430  
*Thelyasceta* Meyrick, 260  
*Themiscyra* Walker, 312  
*Themma* Walker, 439  
*Theoxenia* Walsingham, 245  
*Therapne* Ragonot, 290  
*Thermesia* Hübner, 434  
*Thespieus*, 62  
*Thia* H. Edwards, 233  
*Thiodia*— auct., 321  
**THIOPTERA** Franclemont, 448  
*Thoas* Swainson, 368  
*Tholeria*— auct., 273  
*Tholerostola* Meyrick, 255  
*Tholomiges* Lederer, 425  
**THORYBES** Scudder, 360  
**THYATIRIDAE**, 388  
**THYATIRINAE**, 388  
*Thylacigyna* Rambur, 410  
*Thymele* Fabricius, 361  
**THYRAYLIA** Walsingham, 335  
**THYRIDIDAE**, 266  
**THYRIDINAE**, 266  
**THYRIDOPTERYX** Stephens, 240  
**THYRIDOPYRALIS** Dyar, 294  
**THYRIS** Laspeyres, 266  
*Thyrsomnestis* Meyrick, 260  
**THYSANIA** Dalman, 434  
*Thysanocelis* Walsingham, 234  
*Thysanochilus* Butler, 343  
**THYSANOPYGA** Herrich-Schäffer, 344  
*Thysanosedes* Druce, 234  
*Thysanoskelis* Walsingham, 234  
*Thysanotricha* Warren, 353  
*Thyzania* Reinell-H., 434  
*Tia* Heinrich, 318  
*Tiauspa* Walker, 428  
*Tichonia* Hübner, 244
- TILDENIA** Povolný, 256  
*Tima* Walker, 451  
**TIMANDRA** Duponchel, 354  
**TIMANDRINI**, 354  
*Timetes* Boisduval, 386  
*Timetes* Doubleday, 386  
*Timora*— auct., 481  
**TINEA** Linnaeus, 236  
**TINEIDAE**, 235  
*Tineidia* Zagulajev, 237  
**TINEIFORMES**, 233  
**TINEINA**, 233  
**TINEINAE**, 236  
**TINEOIDEA**, 233  
**TINEOLA** Herrich-Schäffer, 237  
*Tineopsis* Dyar, 294  
*Tinexotaxa* Gozmány, 235  
*Tinnodora* Nye, 429  
**TINTHINAE**, 308  
*Tioga* Hulst, 292  
*Tiora* Evans, 378  
*Tipulia* Králíček & Povolný, 309  
*Tirasia* Walker, 234  
**TIRATHABINI**, 294  
*Tireola* Meyrick, 237  
*Tiridata* Walker, 429  
**TISCHERIA** Zeller, 232  
**TISCHERIIDAE**, 232  
**TISCHERIOIDEA**, 232  
*Tisheria* Busck, 232  
*Titaenoses* Hinton & Bradley, 237  
**TLASCALA** Hulst, 298  
*Tmetocera* Lederer, 321  
*Tmolus*— auct., 375  
*Tocmia* Walker, 260  
*Tolleophora* Căpușe, 249  
*Tollia* Căpușe, 250  
*Tolyp* Cassino, 389  
**TOLYPE** Hübner, 389  
*Topeutis*— auct., 285  
**TORIPALPUS** Grote, 292  
*Tornacantia* J. B. Smith, 450  
*Tornipalpus* Knudson & Bordelon, 292  
**TORNOS** Morrison, 339  
**TORTRICIDAE**, 318  
**TORTRICIDIA** Packard, 314  
**TORTRICINAE**, 327  
**TORTRICINI**, 327  
*Tortricodes* Guenée, 424  
**TORTRICOIDEA**, 318  
**TORTYRA** Walker, 312  
**TOSALE** Walker, 291  
**TOXONPRUCHA** Möschler, 435  
**TRACHYLEPIDIA** Ragonot, 293  
*Trachysmia* Guenée, 335  
*Trama* Harvey, 434  
*Triadogona* Meyrick, 235  
*Triaena* Hübner, 452  
*Tribunophora* Hubner, 470  
*Trichclea* J. B. Smith, 470  
*Trichiosoma* Lucas, 410  
*Trichoclada* Meyrick, 354  
**TRICHOCLEA** Grote, 470  
*Trichoda* Hübner, 390  
*Trichoda* Hübner, 390  
*Trichognathos* Amsel, 282  
**TRICHOLITA** Grote, 474  
*Tricholon* Boisduval, 402  
*Tricholonche* Grote, 452  
**TRICHOPLUSIA** McDunnough, 443  
**TRICHOPTILUS** Walsingham, 305  
**TRICHORDESTRA** McCabe, 470  
*Trichosellus* Grote, 482  
**TRICHOSILIA** Hampson, 476  
*Trichostibas* Zeller, 311  
*Trichotaphe* Clemens, 260
- Trichotarache* Grote, 451  
*Trichotis* C. Felder, 407  
*Trichoalva* Amsel, 272  
**TRICLONELLA** Busck, 252  
*Tricodia* Stephens, 390  
*Tricopsis* Grote, 482  
*Tricotaphe* Riley, 260  
*Trigonia* Geyer, 369  
*Trigonuncus* Amsel, 274  
**TRIGRAMMIA** Herrich-Schäffer, 339  
*Trilenca* Neave, 482  
*Trileuca* Grote, 482  
*Trinidadia* Dyar & Heinrich, 289  
**TRIPHOSA** Stephens, 356  
*Triplodaula* Monroe, 279  
*Tripodaula* Meyrick, 279  
*Triptogon* Moore, 401  
*Triptogon* Ménétriés, 401  
**TRIPTUDIA** Grote, 447  
**TRISCHISTOGNATHA** Warren, 271  
*Trissophaes* Hübner, 429  
*Trisynotopa* Lower, 237  
*Tritaea* Meyrick, 273  
*Tritanassa* Forbes, 384  
**TRIUNCIDIA** Munroe, 271  
*Trivolusia* Dyar, 305  
**TROIDINI**, 367  
*Troilides* Hübner, 367  
*Tropaea* Hübner, 394  
*Trophoeassa* Turner, 266  
**TROSIINAE**, 313  
*Trosthis* Hübner, 344  
*Trothisa* Hübner, 449  
*Trycheris* Guenée, 326  
*Trypana* Guenée, 482  
**TRYPANISMA** Clemens, 255  
**TSINILLA** Heinrich, 320  
*Tuberculia* Căpușe, 250  
*Tuerta*— auct., 456  
**TULSA** Heinrich, 298  
*Tunza* Walker, 439  
*Turbula* Walker, 469  
*Turneria* Tutt, 403  
*Tymetes* Boisduval, 386  
**TRISSA** Walker, 434  
**UDEA** Guenée, 275  
*UFA* Walker, 299  
*Uliaria* Dumont, 260  
*Ulna* Căpușe, 250  
**ULOLONCHE** J. B. Smith, 473  
**ULOPHORA** Ragonot, 299  
*Ulosota* Grote, 313  
*Ulosyneda* J. B. Smith, 432  
*Umbrosina* Bruand, 356  
**UNADILLA** Hulst, 301  
**UNDULAMBIA** Lange, 267  
*Uriptena* Nye, 450  
**UNTOMIA** Busck, 258  
*Ununcula* van Eecke, 378  
*Unzela* Walker, 401  
**URANIOIDEA**, 336  
*Uranotes* Scudder, 376  
**URBANUS** Hübner, 359  
*Urbara* Walker, 234  
*Urbicola* Tutt, 363  
**URESIPHITA** Hübner, 273  
*Uresiphoeta* Agassiz, 273  
**URODIDAE**, 311  
**URODINAE**, 311  
**URODUS** Herrich-Schäffer, 311  
**UROLA** Walker, 288  
*Urola*— auct., 288  
*Urola*— auct., 289  
*Ustocidalia* Sternecker, 355  
**UTETHEISA** Hübner, 414  
*Utethesia* Moore, 414
- Uthesa* Fine, 414  
*Uxia* Walker, 413  
*Valentinia* Coolidge, 233  
*Valentinia* Walsingham, 248  
*Valvulonia* Căpușe, 249  
*Vandana* Moore, 429  
**VANESSA** Fabricius, 381  
*Vanessa*— auct., 381  
*Vanessodes* Grote & Robinson, 419  
*Varina* Neumoegen, 459  
**VARNERIA** Dyar, 304  
*Varnia* Walker, 266  
**VAXI** Bleszynski, 289  
*Vazugada* Walker, 260  
*Venilia* Chambers, 246  
*Venulia* Pagenstecher, 357  
**VENUSIA** Curtis, 357  
*Vernifilia* Schultze, 266  
*Vespanima* Beutenmüller, 309  
*Victorina* Blanchard, 383  
*Viminia* Chapman, 452  
*Vindana* Walker, 293  
**VITACEA** Engelhardt, 308  
*Vitrinella* McDunnough, 340  
*Vittapressa* Bethune-Baker, 448  
*Vittapressa* Neave, 448  
**VITULA** Ragonot, 303  
*Vladdelia* Căpușe, 249  
*Vobrix* Walker, 293  
*Vogtia* Pastrana, 300  
*Volucrum* Berthold, 244  
*Volusia* Hulst, 305  
*Vurna* Walker, 291  
**WAKULLA** Shaffer, 304  
**WALLENGRENIA** Berg, 363  
**WALSHIA** Clemens, 253  
*Walsinghamia* Riley, 312  
*Wanda* Hulst, 293  
*Wauchula* Hulst, 355  
*Weberia* Müller-Rutz, 232  
*Weberina* Müller-Rutz, 232  
*Wekiva* Hulst, 305  
**WELDERELLA** A. Blanchard, 302  
*Wilonia* Clemens, 251  
*Wiltshireia* Amsel, 245  
*Winona* Hulst, 292  
*Witlesia* Chapman, 267  
**WUNDERIA** Grossbeck, 300  
*Xanthidia* Boisduval & Leconte, 373  
**XANTHOPASTIS** Hübner, 474  
**XANTHOPHYSA** Munroe, 270  
*Xanthoptera* Guenée, 448  
**XANTHORHAE** Hübner, 357  
**XANTHORHINI**, 357  
*Xanthorrhoe* Warren, 357  
**XANTHOTYPE** Warren, 344  
*Xantippa* Hampson, 292  
**XANTIPPE** Ragonot, 292  
*Xantippides* Dyar, 291  
*Xantorhoea* Pagenstecher, 357  
*Xenephestia* Gozmány, 304  
*Xenocentris* Meyrick, 352  
*Xenoecista* Warren, 337  
*Xenorhythma* Meyrick, 260  
*Xenospora* Warren, 356  
**XENOTEMNA** Powell, 331  
*Xerocausta* Meyrick, 234  
*Xeroscopa* Meyrick, 267  
**XESTIA** Hübner, 479  
*Xiana* Nye, 437  
**XUBIDA** Schaus, 290  
**XYLENINI**, 468  
**XYLESTHIA** Clemens, 236  
*Xylestia* Dyar, 236  
*Xylinoidea* Packard, 409  
*Xylis* Guenée, 435  
*Xylomania* Hampson, 473  
*Xylomiges* auct., 473

*Xylomyges* Guenée, 473  
**XYLOPHANES** Hübner, 403  
*Xylophasia* Stephens, 456  
*Xylormisa* Forbes, 422  
*Xymehops* Viette, 426  
**XYSTOPEPLUS** Franclemont, 468  
**XYSTROLOGA** Meyrick, 237  
*Xystrota* Hulst, 355  
*Xystus* Grote, 314  
**YMELDIA** Hodges, 258  
**YPONOMEUTA** Latreille, 264  
**YPONOMEUTIDAE**, 264  
**YPONOMEUTINAE**, 264  
**YPONOMEUTOIDEA**, 263  
*Ypsia* Guenée, 435  
*Ypsipetes* Stephens, 356  
*Yrias* Guenée, 435  
*Zagorista* Schaus, 429  
*Zagulajevia* Câpușe, 249  
**ZALE** Hübner, 435  
*Zalithia* Meyrick, 260  
**ZAMAGIRIA** Dyar, 297  
**ZAMOPSYCHE** Dyar, 239  
**ZANCLOGNATHA** Lederer, 422  
*Zangheriphora* Câpușe, 249  
*Zarania* Walker, 291  
*Zazaca* Walker, 291  
*Zeadiatraea* Box, 289  
*Zeaphagus* Agenjo, 271  
*Zebonda* Walker, 313  
**ZEIRAPHERA** Treitschke, 323  
**ZELLERIA** Stainton, 264  
*Zellerina* de la Torre y Callejas, 275  
*Zenodochium* Walsingham, 248  
*Zenomia* Dognin, 421  
**ZERENE** Hübner, 372  
*Zinckenia* Zeller, 278  
**ZIZEERINI**, 377  
*Zobia* Saalmuller, 445  
**ZOMARIA** Heinrich, 319  
*Zomeutis* Meyrick, 260  
*Zonosoma* Lederer, 354  
**ZOPHODIA** Hübner, 302  
**ZYGAENIDAE**, 312  
**ZYGAENOIDEA**, 312

## COMMON NAME INDEX

In this index, numbers refer to MONA species numbers. Common names of families and subfamilies are indexed on pp. 78-79. Common names for pest species are included below, as well as in the pest index (see pp. 50-52). Common names of strays and erroneously recorded species (see p. 62) are also noted herein. Main entries are in boldface. Secondary entries are noted under each appropriate general name that is modified for various species: e.g., there are various cutworms throughout the index, each indexed first by its modifying name (e.g., black cutworm) and then also secondarily listed below the general name (e.g., cutworm, black). Thus, one can find the full common name indexed, as well as a listing of all such particular type of names: i.e., all cutworms are also listed under the general name of cutworm, in this example. Likewise, for all skippers, or all moths, or all caterpillars, if these words are used in their common name. As a further aid in finding common names when the full name may not be known, a few added entries are listed in terms of less conventional usage: thus, “worm” also is used as a general entry, listing thereunder all names with worm as part of their name, even if it is part of a combined name (e.g., fall webworm, which is secondarily listed under the general word, webworm, as well as worm). A few extra listings are also included: e.g., in North America, Sphingidae are mostly called sphinx moths, or hornworms, while in other countries the term hawk moths is more prevalent; thus, there also is a listing of the sphingids under hawk moths. All these secondary entries increase the length of the index but will hopefully be of aid in finding various names.

The common names (or English names) used herein mostly follow standardized names of the Entomological Society of America (see Bosik, 1997; updated from Stoetzel, 1989) and the butterfly common names of the Lepidopterists' Society (see J. Y. Miller, 1992). There also is a contradictory listing of butterfly common names used by the North American Butterfly Association (see NABA, 1995). Some synonymous common names are also listed herein, in case the user knows only one of the less often used common names, since some species (particularly butterflies) have had a number of common names over the years: see Miller (1992) for a full list of all pre-1992 butterfly common names in North American

species. Covell (1984) coined many new common names for a host of moths from eastern North America, but most of these names have not been used much simply because common names usually are only in use when a species is referred to so often that people prefer using a common name because it may be simpler or shorter than the scientific name.

A few names are newly coined herein for species previously without common names, mainly for pest species in Florida which have as yet not had common names applied (see pp. 46-55 for notation of which are new common names). For example, a common moth in tropical parts of South Florida where fig trees grow is the brilliantly colored metalmark moth, *Tortyra slossonia* (Fernald) (Choreutidae), yet it has no common name. It can be called Slosson's Metalmark Moth, in honor of Annie Slosson, its discoverer and for whom it was named, or “figus budworm” can be applied for the species: both names are used herein. Likewise, a few species have simply been called by their scientific name: e.g., the cactus pest, *Cactoblastis cactorum* (Berg) (Pyralidae), originally from Argentina, is simply called “cactoblastis” in most papers, but the name “cactus moth” is now the preferred common name. Often, there is one common name for the adult and another for its caterpillar, particularly for economic species.

Common names are not really “official” like scientific names, and thus some names are often used in North America that may not be the usual common names elsewhere: e.g., the introduced pest, *Opogona sacchari* (Bojer) (Tineidae), is usually called “opogona moth” by economic entomologists and horticulturalists in Florida, yet “banana moth” is the preferred common name.

There can be variations in spellings of some common names, particularly in older literature where hyphenations are more prevalent: e.g., leaf-miner, leaf miner and leafminer have often been part of the same common name, yet such cases have mostly evolved to preference for use of a single word as the base word (leafminer, in this example). A few frequently misspelled common names are also noted below in italics. A few common names are single names (e.g., the bagworm is *Thyridopteryx ephemeraformis* (Haworth)), while modifiers to the single common name refer to other species (e.g., Abbot's bagworm is *Oiketicus abbotii* Grote), and so on.

**Abbot's bagworm** - *Oiketicus abbotii* Grote - 454

**Abbot's sphinx** - *Sphexcodina abbottii* (Swainson) - 7870

*Abbot's wood nymph* [see Common wood nymph] - 4587

**Abbreviated underwing** - *Catocala abbreviatella* Grote - 8841

**Achemon sphinx** - *Eumorpha achemon* (Drury) - 7861

**Acorn moth** - *Blastobasis glandulella* (Riley) - 1162

**Admiral** - Limenitidini (Nymphalidae)

Red admiral - *Vanessa atalanta rubria* (Fruhstorfer) - 4437a

**African scavenger moth** - *Praeacedes atomosella* (Walker) - 423

**Agrippa's underwing** - *Catocala agrippina* Strecker - 8787

**Ailanthus webworm** - *Atteva pustulella* (Fabricius) - 2401

**Alabama underwing** - *Catocala alabamiae* Grote - 8869

**Alfalfa butterfly** - *Colias eurytheme* Boisduval - 4210

**Alfalfa caterpillar** - *Colias eurytheme* Boisduval - 4210

**Alligatorweed stem borer** - *Arcola malloi* (Pastrana) - 5908.1

**Almond moth** - *Cadra cautella* (Walker) - 6022

**Alope sphinx** - *Erinnyis alope* (Drury) - 7832

**American celery webworm** - *Nomophila nearctica* Munroe - 5156

**American copper** - *Lycaena phlaeas americana* Harris - 4251a (p. 62)

**American dagger moth** - *Acronicta americana* (Harris) - 9200

**American lady** - *Vanessa virginiensis* (Drury) - 4434

**American mulberry leaftier** - *Glyphodes sibillalis* Walker - 5198

**American painted lady** - *Vanessa virginiensis* (Drury) - 4434

**American plum borer** - *Euzophera semifuneralis* (Walker) - 5995

**American snout** - *Libytheana carinenta bachmanii* (Kirtland) - 4410

**Amethyst hairstreak** - *Chlorostymon maesites* (Herrich-Schäffer) - 4271

- Ammon blue** - *Cyclargus ammon* (Lucas) - 4358.1
- Androgea armyworm** - *Spodoptera androgea* (Stoll) - 9673.1
- Androgeus swallowtail** - *Papilio androgeus epidaureus* Godman & Salvin - 4175a
- Andromeda underwing** - *Catocala andromedae* Guenée - 8849
- Anglewing** - *Polygonia* sp. (Nymphalidae)  
Common anglewing - *Polygonia comma* (Harris) - 4421
- Angoumois grain moth** - *Sitotroga cerealella* (Olivier) - 2260
- Antillean dagger wing** - *Marpesia eleuthea* Hübner - 4551
- Appalachian brown** - *Satyrodes appalachia* (R. L. Chermock) - 4569
- Appalachian eyed brown** - *Satyrodes appalachia* (R. L. Chermock) - 4569
- Apple bark borer** - *Synanthedon pyri* (Harris) - 2565
- Apple fruit moth** - *Argyresthia conjugella* Zeller - 2449
- Appleworm**  
Many-dotted appleworm - *Balsa malana* (Fitch) - 9662
- Apple sphinx** - *Sphinx gordius* Cramer - 7810
- Army cutworm** - *Euxoa auxillaris* (Grote) - 10731
- Armyworm** - Noctuidae  
Androgea armyworm - *Spodoptera androgea* (Stoll) - 9673.1  
Armyworm - *Pseudaletia unipuncta* (Haworth) - 10438  
Beet armyworm - *Spodoptera exigua* (Hübner) - 9665  
Caribbean armyworm - *Spodoptera pulchella* (Herrich-Schäffer) - 9668  
Fall armyworm - *Spodoptera frugiperda* (J. E. Smith) - 9666  
Forage armyworm - *Leucania subpunctata* (Harvey) - 10454.1  
Garden armyworm - *Spodoptera latifascia* (Walker) - 9670  
Gray armyworm - *Spodoptera albula* (Walker) - 9673  
Sweetpotato armyworm - *Spodoptera dolichos* (Fabricius) - 9671  
Yellow armyworm - *Leucania phragmatidicola* Guenée - 10444  
Yellow-striped armyworm - *Spodoptera ornithogalli* (Guenée) - 9669
- Armyworm** - *Pseudaletia unipuncta* (Haworth) - 10438
- Arogos skipper** - *Atrytone arogos* (Boisduval & Leconte) - 4050
- Arrowwood clearwing borer** - *Synanthedon fatifera* Hodges - 2555
- Artichoke plume moth** - *Platyptilia carduidactyla* (Riley) - 6109
- Ash borer** - *Podosesia syringae* (Harris) - 2589
- Ash sphinx** - *Manduca jasminearum* (Guérin-Méneville) - 7783
- Asian hydrilla leafcutter** - *Parapoynx diminutalis* Snellen - 4765
- Atala butterfly** - *Eumaeus atala florida* Röber - 4268a
- Atlanta marsh skipper** - *Poanes aaroni howardi* (Skinner) - 4062a
- Avocado leafminer** - *Caloptilia perseae* (Busck) - 623
- Avocado serpentine leafminer** - *Phyllocnistis* n. sp. - 851.2
- Avocado spanworm** - *Epimecis detexta* (Walker) - 6604
- Azalea caterpillar** - *Datana major* (Grote & Robinson) - 7905
- Azalea leafminer** - *Caloptilia azaleella* (Brants) - 592
- Azalea sphinx** - *Darapsa pholus* (Cramer) - 7886
- Azia hairstreak** - *Ministrymon azia* (Hewitson) - 4293
- Azure blue** - *Celastrina* sp. (Lycaenidae)  
Spring azure blue - *Celastrina ladon* (Cramer) - 4363  
Summer azure blue - *Celastrina neglecta* (W. H. Edwards) - 4363.1
- Bagworm**  
Abbot's bagworm - *Oiketicus abbotii* Grote - 454  
Bagworm - *Thyridopteryx ephemeraeformis* (Haworth) - 457  
Plaster bagworm - *Phereoeca uterella* (Walsingham) - 390
- Bagworm** - *Thyridopteryx ephemeraeformis* (Haworth) - 457
- Bahamas swallowtail** - *Papilio andraemon bonhotei* E. M. Sharpe - 4172a
- Bahamian palm owlet** - *Litoprosopus bahamensis* Hampson - 8557
- Bahamian swallowtail** - *Papilio andraemon bonhotei* E. M. Sharpe - 4172a
- Bald cypress coneworm** - *Dioryctria pygmaeella* Ragonot - 5849
- Banana moth** - *Opogona sacchari* (Bojer) - 432.1
- Banded ash clearwing** - *Podosesia aureocincta* Purrington & Nielsen - 2588
- Banded hairstreak** - *Satyrium calanus* (Hübner) - 4282
- Banded oak dusky wing** - *Erynnis brizo somnus* (Lintner) - 3946b
- Banded orange** - *Dryadula phaetusa* (Linnaeus) - 4415
- Banded sphinx** - *Eumorpha fasciata* (Sulzer) - 7865
- Banded tussock moth** - *Halysidota tessellaris* (J. E. Smith) - 8203
- Banded woollybear** - *Pyrrharctia isabella* (J. E. Smith) - 8129
- Baracoa skipper** - *Polites baracoa* (Lucas) - 4040
- Barberry geometer** - *Coryphista meadii* (Packard) - 7290
- Barred sulphur** - *Eurema daira* (Godart) - 4243
- Barred yellow** - *Eurema daira* (Godart) - 4243
- Barrens underwing** - *Catocala praeclara* Grote & Robinson - 8865
- Bartram's hairstreak** - *Strymon acis bartrami* (W. P. Comstock & Huntington) - 4343a
- Bassett moth** - *Euclementia bassettella* (Clemens) - 1467
- Basswood leafroller** - *Pantographa limata* (Grote & Robinson) - 5241
- Bayberry leaftier** - *Strepsicrates smithiana* (Walsingham) - 2907
- Beach skipper** - *Panoquina panoquinoides* (Skinner) - 4117
- Bean leafroller** - *Urbanus proteus* (Linnaeus) - 3886
- Bean-leaf skeletonizer** - *Autoplusia egea* (Guenée) - 8891
- Bean leaf webber** - *Omiodes indicata* (Fabricius) - 5212
- Bean pod borer** - *Maruca vitrata* (Fabricius) - 5157.1
- Beautiful wood nymph** - *Eudryas grata* (Fabricius) - 9301
- Beauty**  
Oak beauty - *Nacophora quernaria* (J. E. Smith) - 6763
- Bee sphinx**  
Bumble bee sphinx - *Hemaris diffinis* (Boisduval) - 7855  
Slender bee sphinx - *Hemaris gracilis* (Grote & Robinson) - 7854
- Beet armyworm** - *Spodoptera exigua* (Hübner) - 9665
- Beet webworm**  
Hawaiian beetle webworm - *Spoladea recurvalis* (Fabricius) - 5170  
Southern beetle webworm - *Herpetogramma bipunctalis* (Fabricius) - 5272  
Spotted beetle webworm - *Hymenia perspectalis* (Hübner) - 5169
- Bella moth** - *Utetheisa bella* (Linnaeus) - 8106
- Bell's little skipper** - *Amblyscirtes belli* H. A. Freeman - 4107
- Bell's roadside skipper** - *Amblyscirtes belli* H. A. Freeman - 4107  
Common roadside skipper - *Amblyscirtes vialis* (W. H. Ed-

- wards) - 4105  
 Dusky roadside skipper - *Amblyscirtes alternata* (Grote & Robinson) - 4108  
**Betrothed underwing** - *Catocala innubens* Guenée - 8770  
**Bidens borer** - *Epiblema otiosana* (Clemens) - 3202  
**Big poplar sphinx** - *Pachysphinx modesta* (Harris) - 7828  
**Birch dagger moth** - *Acronicta betulae* Riley - 9208  
**Bird nest moth** - *Monopis crocicapitella* (Clemens) - 415  
**Blackberry leafminer** - *Tischeria aenea* Frey & Boll - 149  
**Blackberry looper** - *Chlorochlamys chloroleucaria* (Guenée) - 7071  
**Black crescent** - *Anthanassa frisia* (Poey) - 4478  
**Black cutworm** - *Agrotis ipsilon* (Hufnagel) - 10663  
**Black gum clearwing** - *Synanthedon rubrofascia* (H. Edwards) - 2567  
**Black little skipper** - *Amblyscirtes vialis* (W. H. Edwards) - 4105  
**Black olive caterpillar** - *Characoma nilotica* (Rogenhofer) - 8974  
**Black swallowtail** - *Papilio polyxenes asterius* Stoll - 4159a  
**Blacktip sulphur** - *Eurema nise* (Cramer) - 4238  
**Black-vein skipper** - *Anatrytone logan* (W. H. Edwards) - 4051  
**Black-waved flannel moth** - *Lagoa crispata* (Packard) - 4644  
**Black witch** - *Ascalapha odorata* (Linnaeus) - 8649  
**Blazing-star skipper** - *Hesperia leonardus* Harris - 4023  
**Blind-eyed sphinx** - *Paonias excaecatus* (J. E. Smith) - 7824  
**Blister coneworm** - *Dioryctria clarioralis* (Walker) - 5863.1  
**Blotch miner**  
   Pecan blotch miner - *Phyllonorycter caryaealbella* (Chambers) - 741  
**Blue** - Polyommatainae (Lycaenidae)  
   Caribbean blue - *Cyclargus thomasi bethunebakeri* (W. P. Comstock & Huntington) - 4358a  
   Cassius blue - *Leptotes cassius theonus* (Lucas) - 4356  
   Ceraunus blue - *Hemiargus ceraunus antibubastus* Hübner - 4359a  
   Eastern pigmy blue - *Brephidium isophthalma pseudofea* (Morris) - 4354a  
   Eastern tailed blue - *Everes comyntas* (Godart) - 4361  
   Lucas' blue - *Cyclargus ammon* (Lucas) - 4358.1  
   Miami blue - *Cyclargus thomasi bethunebakeri* (W. P. Comstock & Huntington) - 4358a  
   Nickerbean blue - *Cyclargus ammon* (Lucas) - 4358.1  
   Southern blue - *Hemiargus ceraunus antibubastus* Hübner - 4359a  
   Spring azure blue - *Celastrina ladon* (Cramer) - 4363  
   Summer azure blue - *Celastrina neglecta* (W. H. Edwards) - 4363.1  
   Tropical striped blue - *Leptotes cassius theonus* (Lucas) - 4356  
**Blueberry gray** - *Glena cognataria* (Hübner) - 6450  
**Blueberry leaftier** - *Croesia curvalana* (Kearfott) - 3504  
**Bluegrass webworm** - *Parapediasia teterrella* (Zincken) - 5451  
**Boisduval's sulphur** - *Eurema boisduvaliana* (C. Felder & R. Felder) - 4245  
**Boisduval's yellow** - *Eurema boisduvaliana* (Felder & Felder) - 4245  
**Bollworm**  
   Pink bollworm - *Pectinophora gossypiella* (Saunders) - 2261  
**Borer**  
   Alligatorweed stem borer - *Arcola malloi* (Pastrana) - 5908.1  
   American plum borer - *Euzophera semifuneralis* (Walker) - 5995  
   Apple bark borer - *Synanthedon pyri* (Harris) - 2565  
   Arrowwood clearwing borer - *Synanthedon fatifera* Hodges - 2555  
   Ash borer - *Podosesia syringae* (Harris) - 2589  
   Bean pod borer - *Maruca vitrata* (Fabricius) - 5157.1  
   Bidens borer - *Epiblema otiosana* (Clemens) - 3202  
   Bromeliad pod borer - *Epimorius testaceellus* Ragonot - 5634.1  
   Burdock borer - *Papaipema cataphracta* (Grote) - 9466  
   Caribbean pod borer - *Fundella pellucens* Zeller - 5725  
   Cattail borer - *Bellura obliqua anoa* (Dyar) - 9525a  
   Chain fern borer - *Papaipema stenocelis* (Dyar) - 9481  
   Chestnut clearwing borer - *Synanthedon castaneae* (Busck) - 2577  
   Chrysanthemum flower borer - *Lorita sacrificata* (Meyrick) - 3781  
   Clematis clearwing - *Alcathoe caudata* (Harris) - 2623  
   Cotton square borer - *Strymon melinus* Hübner - 4336  
   Cottonwood twig borer - *Gypsonoma haimbachiana* (Kearfott) - 3226  
   Dogwood borer - *Synanthedon scitula* (Harris) - 2549  
   Eastern blue cactus borer - *Melitara prodenialis* Walker - 5970  
   Elder shoot borer - *Achatodes zaeae* (Harris) - 9520  
   Erythrina borer - *Terastia meticulosalis* Guenée - 5239  
   European poplar clearwing borer - *Paranthrene tabaniformis* (Rottemberg) - 2524  
   Golden oak borer - *Paranthrene simulans* (Grote) - 2527  
   Grape root borer - *Vitacea polistiformis* (Harris) - 2530  
   Leatherleaf fern borer - *Undulambia polystichalis* Capps - 4741  
   Lesser cornstalk borer - *Elasmopalpus lignosellus* (Zeller) - 5896  
   Lesser grape root borer - *Vitacea scepisiformis* (H. Edwards) - 2531  
   Lesser peachtree borer - *Synanthedon pictipes* (Grote & Robinson) - 2550  
   Lilac borer - *Podosesia syringae* (Harris) - 2589  
   Lima-bean pod borer - *Etiella zinckenella* (Treischke) - 5744  
   Lima-bean vine borer - *Monoptilota pergratialis* (Hulst) - 5736  
   Lined stalk borer - *Oligia fractilinea* (Grote) - 9406  
   Locust twig borer - *Cydia insiticiana* Zeller - 3497  
   Magnolia borer - *Euzophera magnolialis* Capps - 5996  
   Mahogany shootborer - *Hypsipyla grandella* (Zeller) - 5705  
   Maple callus borer - *Synanthedon acerni* (Clemens) - 2554  
   Oak clearwing borer - *Paranthrene asilipennis* (Guérin-Méneville) - 2522  
   Osmunda borer - *Papaipema speciosissima* (Grote & Robinson) - 9482  
   Peachtree borer - *Synanthedon exitiosa* (Say) - 2583  
   Peach twig borer - *Anarsia lineatella* Zeller - 2257  
   Pecan bark borer - *Synanthedon geliformis* (Walker) - 2547  
   Persimmon borer - *Sannina uroceriformis* Walker - 2590  
   Pickerelweed borer - *Bellura densa* (Walker) - 9526  
   Pitcher-plant borer - *Papaipema appassionate* (Harvey) - 9493  
   Poplar clearwing borer - *Paranthrene dollii* Neumoegen - 2523  
   Ragweed borer - *Epiblema strenuana* (Walker) - 3172  
   Raspberry crown borer - *Pennisetia marginata* (Harris) - 2513

- Rice stalk borer - *Chilo plejadellus* Zincken - 5470  
 Riley's clearwing moth - *Synanthedon rileyana* (H. Edwards) - 2552  
 Sapodilla borer - *Banisia myrsusalis* (Walsingham) - 6086  
 Sapodilla pod borer - *Dichrorampha sapodilla* Heppner - 3414.1  
 Seagrape borer - *Hexeris enhydris* Grote - 6082  
 Shortleaf pine cone borer - *Eucosma cocana* Kearfott - 3072  
 Smartweed borer - *Ostrinia obumbratalis* (Lederer) - 4947  
 Southern cornstalk borer - *Diatraea crambidoides* (Grote) - 5476  
 Squash vine borer - *Melittia cucurbitae* (Harris) - 2536  
 Sugarbeet crown borer - *Hulstia undulatella* (Clemens) - 5918  
 Sugarcane borer - *Diatraea saccharalis* (Fabricius) - 5475  
 Sweetclover root borer - *Walshia miscecolorella* (Chambers) - 1615  
 Tropical cactus borer - *Cactoblastis cactorum* (Berg) - 5976.1  
 Tuliptree borer - *Euzophera ostricorella* Hulst - 5997  
 Willow clearwing borer - *Synanthedon proxima* (H. Edwards) - 2572  
**Bougainvillea caterpillar** - *Asciodes gordialis* Guenée - 5267  
**Brazilian skipper** - *Calpodes ethlius* (Stoll) - 4115  
**Bride underwing** - *Catocala neogama* (J. E. Smith) - 8798  
**Brimstone** - *Anteos* sp. (Pieridae)  
   Giant brimstone - *Anteos maerula lacordairei* (Boisduval) - 4227a  
   Yellow brimstone - *Anteos maerula lacordairei* (Boisduval) - 4227a  
**Bristly cutworm** - *Lacinipolia renigera* (Stephens) - 10397  
**Broad marsh skipper** - *Poanes viator zizaniae* Shapiro - 4064a  
**Bromeliad pod borer** - *Epimorius testaceellus* Ragonot - 5634.1  
**Brou's underwing** - *Catocala atocala* Brou - 8787.1  
**Brown** - Satyrinae (Nymphalidae)  
   Appalachian eyed brown - *Satyroides appalachia* (R. L. Chermock) - 4569  
**Brown broken dash skipper** - *Wallengrenia egeremet* (Scudder) - 4047  
**Brown diamondback moth** - *Plutella porrectella* (Linnaeus) - 2363  
**Brown dusky wing** - *Erynnis horatius* (Scudder & Burgess) - 3952  
**Brown-rim skipper** - *Atrytone arogos* (Boisduval & Leconte) - 4050  
**Brown sedge skipper** - *Euphyes dukesii calhouni* Shuey - 4074a  
**Brown-tailed skipper** - *Urbanus dorantes* (Stoll) - 3889  
**Buck moth** - *Hemileuca maia* (Drury) - 7730  
**Buckeye** - *Junonia* sp. (Nymphalidae)  
   Buckeye - *Junonia coenia* (Hübner) - 4440  
   Caribbean buckeye - *Junonia genoveva* (Stoll) - 4442.1  
   Common buckeye - *Junonia coenia* (Hübner) - 4440  
   Florida buckeye - *Junonia evarete* (Cramer) - 4442  
   Mangrove buckeye - *Junonia evarete* (Cramer) - 4442  
   Smoky buckeye - *Junonia evarete* (Cramer) - 4442  
   Tropical buckeye - *Junonia genoveva* (Stoll) - 4442.1  
**Buckeye** - *Junonia coenia* (Hübner) - 4440  
**Budmoth**  
   Eyespotted budmoth - *Spilonota ocellana* (Denis & Schiffermüller) - 2906  
   Litchi budmoth - *Crociosema litchivora* Baixeras - 3274.2  
   Palm budmoth - *Atheloca subrufella* (Hulst) - 5734  
   Pecan budmoth - *Gretchena bolliana* (Slingerland) - 3263  
   Sunflower budmoth - *Suleima helianthana* (Riley) - 3212  
   Tufted apple budmoth - *Platynota idaeusalis* (Walker) - 3740  
   Verbena budmoth - *Endothenia hebesana* (Walker) - 2738  
**Budworm**  
   Ficus budworm - *Tortyra slossonia* (Fernald) - 2653  
   Jack pine budworm - *Choristoneura pinus maritima* T. N. Freeman - 3643a  
   Subflexa budworm - *Heliothis subflexa* (Guenée) - 11070  
   Sugarcane budworm - *Leucania humidicola* Guenée - 10458  
   Spruce budworm - *Choristoneura fumiferana* (Clemens) - 3638  
   Tobacco budworm - *Heliothis virescens* (Fabricius) - 11071  
**Bumble bee sphinx** - *Hemaris diffinis* (Boisduval) - 7855  
**Bumelia leafworm** - *Lactura pupula* (Hübner) - 2405  
**Bumelia webworm** - *Urodus parvula* (H. Edwards) - 2415  
**Burdock borer** - *Papaipema cataphracta* (Grote) - 9466  
**Burdock seed moth** - *Metzneria lappella* (Linnaeus) - 1685  
**Bush sulphur** - *Eurema dina helios* M. Bates - 4240a  
**Butterfly** - Papilionoidea  
   Alfalfa butterfly - *Colias eurytheme* Boisduval - 4210  
   Atala butterfly - *Eumaeus atala florida* Röber - 4268a  
   Cabbage butterfly - *Pieris rapae* (Linnaeus) - 4197  
   Eastern snout butterfly - *Libytheana carinenta bachmanii* (Kirtland) - 4410  
   Eighty-eight butterfly - *Diaethria clymena* (Cramer) - 4535 (p. 62)  
   Goatweed butterfly - *Anaea andria* Scudder - 4554  
   Hackberry butterfly - *Asterocampa celtis* (Boisduval & Leconte) - 4557  
   Mexican cycad butterfly - *Eumaeus minijas* (Hübner) - 4269 (p. 62)  
**Byssus skipper** - *Problema byssus* (W. H. Edwards) - 4052  
**Cabbage butterfly** - *Pieris rapae* (Linnaeus) - 4197  
**Cabbage looper** - *Trichoplusia ni* (Hübner) - 8887  
**Cabbage palm caterpillar** - *Litoprosopus futilis* (Grote & Robinson) - 8556  
**Cabbage webworm** - *Hellula rogatalis* (Hulst) - 4846  
**Cabbageworm**  
   Cross-striped cabbageworm - *Evergestis rimosalis* (Guenée) - 4898  
   Imported cabbageworm - *Pieris rapae* (Linnaeus) - 4197  
   Southern cabbageworm - *Pontia protodice* Boisduval & Leconte - 4193  
**Cacao moth** - *Ephestia elutella* (Hübner) - 6021  
**Cactus borer** - Pyralidae  
   Eastern blue cactus borer - *Melitara prodenialis* Walker - 5970  
   Tropical cactus borer - *Cactoblastis cactorum* (Berg) - 5976.1  
**Cactus moth** - *Cactoblastis cactorum* (Berg) - 5976.1  
**Camberwell beauty** - *Nymphalis antiopa* (Linnaeus) - 4432  
**Canadian geometer** - *Melanolophia canadaria* (Guenée) - 6620  
**Cankerworm** - Geometridae  
   Fall cankerworm - *Alsophila pometaria* (Harris) - 6258  
   White-spotted cankerworm - *Paleacrita merriccata* Dyar - 6663  
**Canna leafroller** - *Calpodes ethlius* (Stoll) - 4115  
**Canna skipper** - *Calpodes ethlius* (Stoll) - 4115  
**Caper leaf webber** - *Dichogama redtenbacheri* Lederer - 4790  
**Caribbean armyworm** - *Spodoptera pulchella* (Herrich-Schäffer) - 9668

- Caribbean blue** - *Cyclargus thomasi bethunebakeri* (W. P. Comstock & Huntington) - 4358a
- Caribbean buckeye** - *Junonia genoveva* (Stoll) - 4442.1
- Caribbean dried fruit moth** - *Ectomyelois decolor* (Zeller) - 5722
- Caribbean palm leaf skeletonizer** - *Homaledra* n. sp. - 1422.1
- Caribbean peacock** - *Anartia chrysopelea* (Hübner) - 4444
- Caribbean pod borer** - *Fundella pellucens* Zeller - 5725
- Caribbean scavenger moth** - *Erechthias minuscula* (Walsingham) - 304
- Carob moth** - *Ectomyelois ceratoniae* (Zeller) - 5723
- Carolina satyr** - *Hermeuptychia sosybius* (Fabricius) - 4575
- Carolina silk moth** - *Callosamia securifera* (Maassen) - 7766
- Carpenterworm** - Cossidae
- Carpenterworm - *Prionoxystus robiniae* (Peck) - 2693
- Little carpenterworm - *Prionoxystus macmurtrei* (Guérin-Ménéville) - 2694
- Pecan carpenterworm - *Cossula magnifica* (Strecker) - 2674
- Carpenterworm** - *Prionoxystus robiniae* (Peck) - 2693
- Carpet grass webworm** - *Fissicrambus haytiellus* (Zincken) - 5433
- Carter's sphinx** - *Protambulyx carteri* Rothschild & Jordan - 7819
- Casebearer**
- Pecan cigar casebearer - *Coleophora laticornella* Clemens - 1291
- Pecan leaf casebearer - *Acrobasis juglandis* (LeBaron) - 5661
- Pecan nut casebearer - *Acrobasis nuxvorella* Neunzig - 5667
- Casemaker**
- Pecan nursery casemaker - *Acrobasis caryivorella* Ragonot - 5686
- Casemaking clothes moth** - *Tinea pellionella* Linnaeus - 405
- Cassava hornworm** - *Erinnyis alope* (Drury) - 7832
- Cassia webworm** - *Anabasis ochrodesma* (Zeller) - 5704
- Cassius blue** - *Leptotes cassius theonus* (Lucas) - 4356
- Catalpa sphinx** - *Ceratonia catalpae* (Boisduval) - 7789
- Caterpillar**
- Alfalfa caterpillar - *Colias eurytheme* Boisduval - 4210
- Azalea caterpillar - *Datana major* (Grote & Robinson) - 7905
- Black olive caterpillar - *Characoma nilotica* (Rogenhofer) - 8974
- Bougainvillea caterpillar - *Asciodes gordialis* Guenée - 5267
- Cabbage palm caterpillar - *Litoprosopus futilis* (Grote & Robinson) - 8556
- Eastern tent caterpillar - *Malacosoma americanum* (Fabricius) - 7701
- Exotic pumpkin caterpillar - *Diaphania indica* (Saunders) - 5207
- False unicorn caterpillar - *Schizura ipomoeae* Doubleday - 8005
- Florida pink scavenger caterpillar - *Pyroderces badia* (Hodges) - 1513
- Forest tent caterpillar - *Malacosoma disstria* Hübner - 7698
- Frangipani caterpillar - *Pseudosphinx tetrio* (Linnaeus) - 7830
- Genista caterpillar - *Uresiphita reversalis* (Guenée) - 4992
- Guava caterpillar - *Prostomeus brunneus* Busck - 2256
- Lantana stick caterpillar - *Neogalea sumia* (Guenée) - 10032
- Legume caterpillar - *Selenisa sueroides* (Guenée) - 8658
- Mallow caterpillar - *Anomis erosa* Hübner - 8545
- Oleander caterpillar - *Syntomeida epilais jucundissima* Dyar - 8284
- Pink scavenger caterpillar - *Pyroderces rileyi* (Walsingham) - 1512
- Puss caterpillar - *Megalopyge opercularis* (J. E. Smith) - 4647
- Red-humped caterpillar - *Schizura concinna* (J. E. Smith) - 8010
- Royal poinciana caterpillar - *Melipotis acontioides* (Guenée) - 8610
- Saddleback caterpillar - *Acharia stimulea* (Clemens) - 4700
- Saltmarsh caterpillar - *Estigmene acrea* (Drury) - 8131
- Southern uglynest caterpillar - *Archips rileyana* (Grote) - 3662
- Spotted oleander caterpillar - *Empyreuma affinis* Rothschild - 8272
- Stinging rose caterpillar - *Parasa indetermina* (Boisduval) - 4699
- Unicorn caterpillar - *Schizura unicornis* (J. E. Smith) - 8007
- Variable oakleaf caterpillar - *Lochmaeus manteo* Doubleday - 7998
- Velvetbean caterpillar - *Anticarsia gemmatilis* Hübner - 8574
- Walnut caterpillar - *Datana integerrima* Grote & Robinson - 7907
- Yellow-necked caterpillar - *Datana ministra* (Drury) - 7902
- Catkin borer**
- Eastern pine catkin borer - *Calosima dianella* Dietz - 1169
- Catkinworm**
- Southern pine catkinworm - *Satronia tantilla* Heinrich - 3415
- Cattail borer** - *Bellura obliqua anoa* (Dyar) - 9525a
- Cattail flower moth** - *Limnaecia phragmitella* Stainton - 1515
- Cecropia moth** - *Hyalophora cecropia* (Linnaeus) - 7767
- Celery leaf-tier** - *Udea rubigalis* (Guenée) - 5079
- Celery looper** - *Anagrapha falcifera* (Kirby) - 8924
- Celery webworm**
- American celery webworm - *Nomophila nearctica* Munroe - 5156
- Ceraunus blue** - *Hemiargus ceraunus antitubastus* Hübner - 4359a
- Chain fern borer** - *Papaipema stenocelis* (Dyar) - 9481
- Chamberlain's sulphur** - *Eurema chamberlaini* Butler - 4241 (p. 62)
- Charlotte's underwing** - *Catocala charlottae* Brou - 8869.1
- Checkered skipper** - *Pyrgus communis* (Grote) - 3966
- Common checkered skipper - *Pyrgus communis* (Grote) - 3966
- Tropical checkered skipper - *Pyrgus oileus* (Linnaeus) - 3968
- White checkered skipper - *Pyrgus albescens* Plötz - 3967
- Checkered white** - *Pontia protodice* Boisduval & Leconte - 4192
- Checkerspot** - Melitaeinae (Nymphalidae)
- Silvery checkerspot - *Chlosyne nycteis* (Doubleday) - 4490
- Cherry fruitworm** - *Grapholita packardii* Zeller - 3428
- Chestnut clearwing borer** - *Synanthedon castaneae* (Busck) - 2577
- Chickweed geometer** - *Haematopsis grataria* (Fabricius) - 7146
- Christmas-berry webworm** - *Loxostege floridalis* Barnes & McDunnough - 4994
- Chrysanthemum flower borer** - *Lorita sacrificata* (Meyrick) - 3781
- Citrus fruit-piercer** - *Gonodonta nutrix* (Cramer) - 8540
- Citrus leafminer** - *Phyllocnistis citrella* Stainton - 854.1
- Citrus peel miner**
- Florida citrus peel miner - *Marmara* n. sp. - 716.1
- Clay-backed cutworm** - *Agrotis gladiaria* Morrison - 10648



**Clearwing** - Sesiidae

- Arrowwood clearwing borer - *Synanthedon fatifera* Hodges - 2555  
 Banded ash clearwing - *Podosesia aureocincta* Purrington & Nielsen - 2588  
 Black gum clearwing - *Synanthedon rubrofascia* (H. Edwards) - 2567  
 Chestnut clearwing borer - *Synanthedon castaneae* (Busck) - 2577  
 Clematis clearwing - *Alcathoe caudata* (Harris) - 2623  
 European poplar clearwing borer - *Paranthrene tabaniformis* (Rottemberg) - 2524  
 Ironweed clearwing - *Carmenta bassiformis* (Walker) - 2596  
 Oak clearwing borer - *Paranthrene asilipennis* (Guérin-Ménéville) - 2522  
 Poplar clearwing borer - *Paranthrene dollii* Neumoegen - 2523  
 Riley's clearwing moth - *Synanthedon rileyana* (H. Edwards) - 2552  
 Willow clearwing borer - *Synanthedon proxima* (H. Edwards) - 2572

**Clematis clearwing** - *Alcathoe caudata* (Harris) - 2623**Clematis leafroller** - *Thyris maculata* Harris - 6076**Clemens' bark moth** - *Xylesthia pruniramiella* Clemens - 317**Clemens' grass tubeworm** - *Acrolophus popeanella* (Clemens) - 373**Clidemia leafroller** - *Ategumia ebulealis* (Guenée) - 5158**Clinton's underwing** - *Catocala clintoni* Grote - 8872**Clothes moth** - Tineidae

- Casemaking clothes moth - *Tinea pellionella* Linnaeus - 405  
 Webbing clothes moth - *Tineola bisselliella* (Hummel) - 426

**Clouded skipper** - *Lerema accius* (J. E. Smith) - 3998**Clouded sulphur** - *Colias philodice* Godart - 4209**Clouded underwing** - *Catocala nebulosa* W. H. Edwards - 8796**Cloudless sulphur** - *Phoebis sennae eubule* (Linnaeus) - 4228a**Cloudywing**

- Confused cloudywing - *Thorybes confusus* Bell - 3913  
 Northern cloudywing - *Thorybes pylades* (Scudder) - 3910  
 Southern cloudywing - *Thorybes bathyllus* (J. E. Smith) - 3909

**Cloudy-wing skipper** - *Thorybes pylades* (Scudder) - 3910**Clover cutworm** - *Discestra trifolii* (Hufnagel) - 10223**Clover looper** - *Caenurgina crassiuscula* (Haworth) - 8738**Cloverworm**

- Green cloverworm - *Plathypena scabra* (Fabricius) - 8465

**Coastal sedge skipper** - *Euphyes pilatka* (W. H. Edwards) - 4071**Cobweb little skipper** - *Amblyscirtes aesculapius* (Fabricius) - 4099**Cobweb skipper** - *Hesperia metea* Scudder - 4027**Codling moth** - *Cydia pomonella* (Linnaeus) - 3492**Cofaqui giant skipper** - *Megathymus cofaqui* (Strecker) - 4147**Coffee sphinx** - *Perigonia lusca* (Fabricius) - 7846**Comma**

- Eastern comma - *Polygonia comma* (Harris) - 4421

**Common anglewing** - *Polygonia comma* (Harris) - 4421**Common buckeye** - *Junonia coenia* (Hübner) - 4440**Common checkered skipper** - *Pyrgus communis* (Grote) - 3966**Common gray** - *Anavitrinella pampinaria* (Guenée) - 6590**Common roadside skipper** - *Amblyscirtes vialis* (W. H. Edwards) - 4105

wards) - 4105

**Common sooty wing** - *Pholisora catullus* (Fabricius) - 3977**Common sulphur** - *Colias philodice* Godart - 4209**Common wood nymph** - *Cercyonis pegala* (Fabricius) - 4587**Cone borer**

- Shortleaf pine cone borer - *Eucosma cocana* Kearfott - 3072

**Coneworm** - *Dioryctria* sp. (Pyrilidae)

- Bald cypress coneworm - *Dioryctria pygmaeella* Ragonot - 5849

- Blister coneworm - *Dioryctria clarioralis* (Walker) - 5863.1

- Lesser loblolly pine coneworm - *Dioryctria taedivorella* Neunzig & Leidy - 5852.2

- Loblolly pine coneworm - *Dioryctria merkelii* Mutuura & Munroe - 5852.1

- South coastal coneworm - *Dioryctria ebeli* Mutuura & Munroe - 5841.1

- Southern pine coneworm - *Dioryctria amatella* (Hulst) - 5853

- Webbing coneworm - *Dioryctria disclusa* Heinrich - 5847

**Confused cloudywing** - *Thorybes confusus* Bell - 3913**Connubial underwing** - *Catocala connubialis* Guenée - 8877**Consort underwing** - *Catocala consors* (J. E. Smith) - 8772**Consular oakworm** - *Anisota consularis* Dyar - 7718**Coontie hairstreak** - *Eumaeus atala florida* Röber - 4268a**Copper** - Lycaeninae (Lycaenidae)

- American copper - *Lycaena phlaeas americana* Harris - 4251a (p. 62)

- Small copper - *Lycaena phlaeas americana* Harris - 4251a (p. 62)

**Copper underwing** - *Amphipyra pyramidoides* Guenée - 9638**Coral hairstreak** - *Satyrium titus mopsus* (Hübner) - 4275a**Corn borer**

- European corn borer - *Ostrinia nubilalis* (Hübner) - 4949

**Corn earworm** - *Heliothis zea* (Boddie) - 11068**Corn root webworm** - *Crambus caliginosellus* Clemens - 5381**Cornstalk borer**

- Lesser cornstalk borer - *Elasmopalpus lignosellus* (Zeller) - 5896

- Southern cornstalk borer - *Diatraea crambidoides* (Grote) - 5476

**Cotton cutworm** - *Spodoptera ornithogalli* (Guenée) - 9669**Cotton leafminer** - *Stigmella gossypii* (Forbes & Leonard) - 76**Cotton leafworm** - *Alabama argillacea* (Hübner) - 8554**Cotton square borer** - *Strymon melinus* Hübner - 4336**Cottonwood dagger moth** - *Acronicta lepusculina* Guenée - 9205**Cottonwood twig borer** - *Gypsonoma haimbachiana* (Kearfott) - 3226**Cracker** - *Hamadryas* sp. (Nymphalidae)

- Haitian cracker - *Hamadryas amphichloe diasia* (Fruhstorfer) - 4542.1

- Pale cracker - *Hamadryas amphichloe diasia* (Fruhstorfer) - 4542.1

**Crambus** - Crambinae (Pyrilidae)

- Vagabond crambus - *Agriphila vulgivagella* (Clemens) - 5403

**Cramer's sphinx** - *Erinnyis crameri* (Schaus) - 7836**Cranberry fruitworm** - *Acrobasis vaccinii* Riley - 5653**Creole pearly eye** - *Enodia creola* (Skinner) - 4568.2 (p. 62)**Crescent** - Nymphalidae

- Black crescent - *Anthanassa frisia* (Poey) - 4478

- Cuban crescent - *Anthanassa frisia* (Poey) - 4478

- Nycteis crescent - *Chlosyne nycteis* (Doubleday) - 4490

- Pearl crescent - *Phyciodes tharos* (Drury) - 4481  
 Phaon crescent - *Phyciodes phaon* (W. H. Edwards) - 4480  
 Seminole crescent - *Anthanassa texana seminole* (Skinner) - 4476a  
 Texan crescent - *Anthanassa texana seminole* (Skinner) - 4476a  
 Texas crescent - *Anthanassa texana seminole* (Skinner) - 4476a
- Crocus geometer** - *Xanthotype sospeta* (Drury) - 6743  
**Cross-line skipper** - *Polites origenes* (Fabricius) - 4042  
**Cross-striped cabbage worm** - *Evergestis rimosalis* (Guenée) - 4898
- Crown borer**  
 Raspberry crown borer - *Pennisetia marginata* (Harris) - 2513  
 Sugarbeet crown borer - *Hulstia undulatella* (Clemens) - 5918
- Cuban crescent** - *Anthanassa frisia* (Poey) - 4478  
**Cuban gray hairstreak** - *Strymon martialis* (Herrich-Schäffer) - 4340  
**Cuban kite swallowtail** - *Eurytides celadon* Lucas - 4184.1 (p. 62)  
**Cuban peacock** - *Anartia chrysopelea* (Hübner) - 4444  
**Cuban spanworm** - *Oxydia cubana* (Warren) - 6968  
**Currant fruitworm** - *Carposina fernaldana* Busck - 2315  
**Curve-toothed geometer** - *Eutrapela clemataria* (J. E. Smith) - 6966
- Cutworm** - Noctuidae  
 Army cutworm - *Euxoa auxillaris* (Grote) - 10731  
 Black cutworm - *Agrotis ipsilon* (Hufnagel) - 10663  
 Bristly cutworm - *Lacinipolia renigera* (Stephens) - 10397  
 Clay-backed cutworm - *Agrotis gladiaria* Morrison - 10648  
 Clover cutworm - *Discestra trifolii* (Hufnagel) - 10223  
 Cotton cutworm - *Spodoptera ornithogalli* (Guenée) - 9669  
 Dinky cutworm - *Feltia jaculifera* (Guenée) - 10670  
 Dusky cutworm - *Agrotis venerabilis* Walker - 10651  
 Granulate cutworm - *Agrotis subterranea* (Fabricius) - 10664  
 Greasy cutworm - *Agrotis ipsilon* (Hufnagel) - 10663  
 Green cutworm - *Anicla infecta* (Ochsenheimer) - 10911  
 Herilis cutworm - *Agrotis herilis* (Grote) - 10676  
 Mottled gray cutworm - *Abagrotis alternata* (Grote) - 11029  
 Pale-sided cutworm - *Agrotis malefida* Guenée - 10661  
 Granulated cutworm - *Agrotis subterranea* (Fabricius) - 10664  
 Spotted cutworm - *Xestia dolosa* Franclemont - 10942.1  
 Striped cutworm - *Euxoa tessellata* (Harris) - 10805  
 Subgothic cutworm - *Agrotis subgothica* (Haworth) - 10674  
 Variegated cutworm - *Peridroma saucia* (Hübner) - 10915
- Cycad butterfly** - *Eumaeus* sp. (Lycaenidae)  
 Mexican cycad butterfly - *Eumaeus minijas* (Hübner) - 4269 (p. 62)
- Cypress looper** - *Anacamptodes pergracilis* (Hulst) - 6580  
**Cypress sphinx** - *Isoparce cupressus* (Boisduval) - 7791
- Dagger moth** - *Acronicta* sp. (Noctuidae)  
 American dagger moth - *Acronicta americana* (Harris) - 9200  
 Birch dagger moth - *Acronicta betulae* Riley - 9208  
 Cottonwood dagger moth - *Acronicta lepusculina* Guenée - 9205  
 Fingered dagger moth - *Acronicta dactylina* Grote - 9203  
 Gray dagger moth - *Acronicta grisea* Walker - 9212  
 Ochre dagger moth - *Acronicta morula* Grote & Robinson - 9236  
 Ruddy dagger moth - *Acronicta rubricoma* Guenée - 9199
- Smeared dagger moth - *Acronicta oblongata* (J. E. Smith) - 9272  
 Speared dagger moth - *Acronicta hasta* Guenée - 9229  
 Streaked dagger moth - *Acronicta lithospila* Grote - 9266  
 Triton dagger moth - *Acronicta tritona* (Hübner) - 9211
- Dagger wing** - *Marpesia* sp. (Nymphalidae)  
 Antillean dagger wing - *Marpesia eleuchea* Hübner - 4551  
 Many-banded dagger wing - *Marpesia chiron* (Fabricius) - 4549  
 Ruddy dagger wing - *Marpesia petreus* (Cramer) - 4550
- Dainty sulphur** - *Nathalis iole* Boisduval - 4248  
**Dark cloudy-wing skipper** - *Thorybes confusus* Bell - 3913
- Darling underwing**  
 Southern darling underwing - *Catocala carissima* Hulst - 8832.1
- Dead-wood owlet** - *Scolecocampa liburna* (Geyer) - 8514  
**Dejected underwing** - *Catocala dejecta* Strecker - 8790  
**Delaware skipper** - *Anatrytone logan* (W. H. Edwards) - 4051  
**Delilah underwing** - *Catocala delilah* Strecker - 8835  
**Diamondback moth** - *Plutella xylostella* (Linnaeus) - 2366  
 Brown diamondback moth - *Plutella porrectella* (Linnaeus) - 2363
- Dina yellow** - *Eurema dina helios* M. Bates - 4240a  
**Dingy cutworm** - *Feltia jaculifera* (Guenée) - 10670  
**Dingy dotted skipper** - *Cymaenes tripunctus* (Herrich-Schäffer) - 3996
- Dingy purplewing** - *Eunica monima* (Stoll) - 4532  
**Dion skipper** - *Euphyes dion* (W. H. Edwards) - 4072  
**Disguised hairstreak** - *Strymon limenia* (Hewitson) - 4346  
**Disguised scrub hairstreak** - *Strymon limenia* (Hewitson) - 4346
- Dog face** - *Zerene cesonia* (Stoll), 4224  
 Southern dogface - *Zerene cesonia* (Stoll) - 4224  
**Dogwood borer** - *Synanthedon scitula* (Harris) - 2549  
**Dominican sphinx** - *Erinnyis domingonis* (Butler) - 7838  
**Dorantes skipper** - *Urbanus dorantes* (Stoll) - 3889  
**Dotted gray** - *Glena cribrataria* (Guenée) - 6449  
**Dotted hairstreak** - *Strymon istapa* (Reakirt) 4345a  
**Dotted skipper** - *Hesperia attalus* (W. H. Edwards) - 4029  
 Slosson's dotted skipper - *Hesperia attalus slossonae* (Skinner) - 4029a
- Double-lined gray** - *Cleora sublunaria* (Guenée) - 6594  
**Dried fruit moth** - *Vitula edmandsii* (Packard) - 6007  
 Caribbean dried fruit moth - *Ectomyelois decolor* (Zeller) - 5722
- Dune sedge skipper** - *Euphyes vestris metacomet* (Harris) - 4078a
- Duponchel's sphinx** - *Cocytius duponchel* (Poey) - 7773  
**Dusky cutworm** - *Agrotis venerabilis* Walker - 10651  
**Dusky little skipper** - *Amblyscirtes alternata* (Grote & Robinson) - 4108  
**Dusky roadside skipper** - *Amblyscirtes alternata* (Grote & Robinson) - 4108  
**Dusky Wing** - *Erynnis* sp. (Hesperiidae)  
 Banded oak dusky wing - *Erynnis brizo somnus* (Lintner) - 3946b  
 Brown dusky wing - *Erynnis horatius* (Scudder & Burgess) - 3952  
 Eastern oak dusky wing - *Erynnis juvenalis* (Fabricius) - 3947  
 Florida dusky wing - *Ephyriades brunneus floridensis* Bell & W. P. Comstock - 3944a  
 Funereal dusky wing - *Erynnis funeralis* (Scudder & Bur-

- gess) - 3957  
 Horace's duskywing - *Erynnis horatius* (Scudder & Burgess), 3952  
 Indigo dusky wing - *Erynnis baptisiae* (Forbes) - 3959  
 Juvenal's duskywing - *Erynnis juvenalis* (Fabricius) - 3947  
 Mottled dusky wing - *Erynnis martialis* (Scudder) - 3954  
 Sleepy dusky wing - *Erynnis brizo* (Boisduval & Leconte) - 3946  
 Streamlined dusky wing - *Erynnis zarucco* (Lucas) - 3956  
 Wild indigo dusky wing - *Erynnis baptisiae* (Forbes) - 3959  
 Zarucco dusky wing - *Erynnis zarucco* (Lucas) - 3956  
**Dusted skipper** - *Antrytonopsis* sp. (Hesperiidae)  
 Dusted skipper - *Atrytonopsis hianna* (Scudder) - 4084  
 Southern dusted skipper - *Atrytonopsis hianna loammi* (Whitney) - 4084b  
**Earworm**  
 Corn earworm - *Heliothis zea* (Boddie) - 11068  
**Eastern blue cactus borer** - *Melitara prodenialis* Walker - 5970  
**Eastern cloudy-wing skipper** - *Thorybes bathyllus* (J. E. Smith) - 3909  
**Eastern comma** - *Polygonia comma* (Harris) - 4421  
**Eastern gold moth** - *Basilodes pepita* Guenée - 9781  
**Eastern grass tubeworm** - *Acrolophus plumifrontella* (Clemens) - 372  
**Eastern oak dusky wing** - *Erynnis juvenalis* (Fabricius) - 3947  
**Eastern oak looper** - *Phigalia titea* (Cramer) - 6658  
**Eastern pigmy blue** - *Brephidium isophthalma pseudofoea* (Morris) - 4354a  
**Eastern pine catkin borer** - *Calosima dianella* Dietz - 1169  
**Eastern pine elfin** - *Callophrys niphon* (Hübner) - 4328  
**Eastern pine seedworm** - *Cydia toreuta* (Grote) - 3486  
**Eastern snout butterfly** - *Libytheana carinenta bachmanii* (Kirtland) - 4410  
**Eastern tailed blue** - *Everes comyntas* (Godart) - 4361  
**Eastern tent caterpillar** - *Malacosoma americanum* (Fabricius) - 7701  
**Eastern tiger swallowtail** - *Papilio glaucus* Linnaeus - 4176  
**Echo moth** - *Seirarctia echo* (J. E. Smith) - 8130  
**Edward's hairstreak** - *Satyrium edwardsii* (Grote & Robinson) - 4281  
**Edward's wasp moth** - *Lymire edwardsii* (Grote) - 8270  
**Eggplant leafminer** - *Tildenia glochinella* (Zeller) - 2049  
**Eggplant leafroller** - *Lineodes integra* (Zeller) - 5107  
**Eggplant webworm** - *Rhectocraspeda periusalis* (Walker) - 5157  
**Eight spot** - *Amyna octo* (Guenée) - 9070  
**Eight-spotted forester** - *Alypia octomaculata* (Fabricius) - 9314  
**Eighty-eight butterfly** - *Diaethria clymena* (Cramer) - 4535 (p. 62)  
**Elder shoot borer** - *Achatodes zea* (Harris) - 9520  
**Elfin** - *Callophrys* sp. (Lycaenidae)  
 Eastern pine elfin - *Callophrys niphon* (Hübner) - 4328  
 Frosted elfin - *Callophrys irus arsace* (Boisduval & Leconte) - 4325a  
 Henry's elfin - *Callophrys henrici margaretae* dos Passos - 4326a  
 Woodland elfin - *Callophrys henrici margaretae* dos Passos - 4326a  
**Ello sphinx** - *Erinnyis ello* (Linnaeus) - 7834  
**Elm spanworm** - *Ennomis subsignaria* (Hübner) - 6798  
**Elm sphinx** - *Ceratomia amyntor* (Geyer) - 7786  
**Emperor** - *Asterocampa* sp. (Nymphalidae)  
 Florida emperor - *Asterocampa clyton flora* (W. H. Edwards) - 4562.1b  
 Hackberry emperor - *Asterocampa celtis* (Boisduval & Leconte) - 4557  
 Tawny emperor - *Asterocampa clyton* (Boisduval & Leconte) - 4562.1  
**Epione underwing** - *Catocala epione* (Drury) - 8773  
**Erythrina borer** - *Terastia meticulosalis* Guenée - 5239  
**Erythrina leafroller** - *Agathodes designalis* Guenée - 5240  
**Eufala skipper** - *Lerodea eufala* (W. H. Edwards) - 4111  
**European corn borer** - *Ostrinia nubilalis* (Hübner) - 4949  
**European grain moth** - *Nemapogon granella* (Linnaeus) - 266  
**European house moth** - *Niditinea fuscella* (Linnaeus) - 411  
**European poplar clearwing borer** - *Paranthrene tabaniformis* (Rottemberg) - 2524  
**Exotic pumpkin caterpillar** - *Diaphania indica* (Saunders) - 5207  
**Eyespotted bud moth** - *Spilota ocellana* (Denis & Schiffermüller) - 2906  
**Fadus sphinx** - *Aellopus fadus* (Cramer) - 7850  
**Falcate orangetip** - *Anthocharis midea* (Hübner) - 4207  
**Fall armyworm** - *Spodoptera frugiperda* (J. E. Smith) - 9666  
**Fall cankerworm** - *Alsophila pometaria* (Harris) - 6258  
**Fall webworm** - *Hyphantria cunea* (Drury) - 8140  
**False unicorn caterpillar** - *Schizura ipomoeae* Doubleday - 8005  
**False wax moth** - *Vitula edmandsii* (Packard) - 6007  
**False windowed sphinx** - *Madoryx pseudothyreus* (Grote) - 7843  
**Fern borer**  
 Chain fern borer - *Papaipema stenocelis* (Dyar) - 9481  
 Leatherleaf fern borer - *Undulambia polystichalis* Capps - 4741  
**Ficus budworm** - *Tortyra slossonia* (Fernald) - 2653  
**Flannel moth** - Megalopygidae  
 Black-waved flannel moth - *Lagoa crispata* (Packard) - 4644  
 Southern flannel moth - *Megalopyge opercularis* (J. E. Smith) - 4647  
 White flannel moth - *Norape ovina* (Sepp) - 4650  
 Wrinkled flannel moth - *Lagoa crispata* (Packard) - 4644  
**Field skipper** - *Atalopedes campestris huron* (W. H. Edwards) - 4049a  
**Fiery skipper** - *Hylephila phyleus* (Drury) - 4013  
**Fig moth** - *Cadra cautella* (Walker) - 6022  
**Fig sphinx** - *Pachylia ficus* (Linnaeus) - 7841  
**Filbertworm** - *Cydia latiferreanus* (Walsingham) - 3494  
**Fingered dagger moth** - *Acronicta dactylina* Grote - 9203  
**Floating-heart waterlily leafcutter** - *Parapoynx seminealis* (Walker) - 4763  
**Florida atala hairstreak** - *Eumaeus atala florida* Röber - 4268a  
**Florida buckeye** - *Junonia evarete* (Cramer) - 4442  
**Florida citrus peel miner** - *Marmara* n. sp. - 716.1  
**Florida dusky wing** - *Ephyriades brunneus floridensis* Bell & W. P. Comstock - 3944a  
**Florida emperor** - *Asterocampa clyton flora* (W. H. Edwards) - 4562.1b  
**Florida fern caterpillar** - *Callopietria floridensis* (Guenée) - 9630  
**Florida julia fritillary** - *Dryas iulia largo* Clench - 4416a  
**Florida leafwing** - *Anaea troglodyta floralis* F. Johnson & W. P. Comstock - 4553a

- Florida mestra** - *Mestra cana floridana* (Strecker) - 4538a  
**Florida morning glory leafminer** - *Bedellia minor* Busck - 465  
**Florida pink scavenger caterpillar** - *Pyroderces badia* (Hodges) - 1513  
**Florida purplewing** - *Eunica tatila tatilista* Kaye - 4533a  
**Florida sedge skipper** - *Euphyes berryi* (Bell) - 4076  
**Florida sphinx** - *Amphion floridensis* B. P. Clark - 7873  
**Florida spicebush swallowtail** - *Papilio troilus* (f. *ilioneus* J. E. Smith) - 4181  
**Florida statira sulphur** - *Aphrissa statira floridensis* (Neumoegen) - 4233a  
**Florida tussock moth** - *Halysidota cinctipes* Grote - 8202  
**Florida viceroy** - *Limenitis archippus floridensis* (Strecker) - 4523a  
**Florida white** - *Appias drusilla neumoenii* (Skinner) - 4190a  
**Flour moth**  
 Mediterranean flour moth - *Ephestia kuehniella* Zeller - 6020  
**Flower borer**  
 Chrysanthemum flower borer - *Lorita sacrificata* (Meyrick) - 3781  
**Flower-bud moth**  
 Pepper flower-bud moth - *Symmetrischema capsicum* (Bradley & Povolný) - 2032  
**Flower moth**  
 Cattail flower moth - *Limnaecia phragmitella* Stainton - 1515  
 Kiawe flower moth - *Ithome concolorella* (Chambers) - 1638  
 Orange-spotted flower moth - *Syngamia florella* (Stoll) - 5284  
**Forage armyworm** - *Leucania subpunctata* (Harvey) - 10454.1  
**Forage looper** - *Caenurgina erechtea* (Cramer) - 8739  
**Forest tent caterpillar** - *Malacosoma disstria* Hübner - 7698  
**Forester** - Agaristinae (Noctuidae) [refers to Zygaenidae in Europe]  
 Eight-spotted forester - *Alypia octomaculata* (Fabricius) - 9314  
**Four-horned sphinx** - *Ceratonia amyntor* (Geyer) - 7786  
**Franck's sphinx** - *Sphinx franckii* Neumoegen - 7808  
**Frangipani caterpillar** - *Pseudosphinx tetrio* (Linnaeus) - 7830  
**Friendly underwing** - *Catocala amica lineella* Grote - 8878a  
**Fritillary** - Argynnini (Nymphalidae)  
 Florida julia fritillary - *Dryas iulia largo* Clench - 4416a  
 Great spangled fritillary - *Speyeria cybele* (Fabricius) - 4450  
 Gulf fritillary - *Agraulis vanillae nigrifrons* Michener - 4413a  
 Julia fritillary - *Dryas iulia largo* Clench - 4416a  
 Variegated fritillary - *Euptoieta claudia* (Cramer) - 4447  
**Frosted elfin** - *Callophrys irus arsace* (Boisduval & Leconte) - 4325a  
**Fruit moth**  
 Apple fruit moth - *Argyresthia conjugella* Zeller - 2449  
 Dried fruit moth - *Vitula edmandsii* (Packard) - 6007  
 Guava fruit moth - *Argyresthia eugeniella* Busck - 2452  
 Oriental fruit moth - *Grapholita molesta* (Busck) - 3426  
**Fruit-piercer** - *Gonodonta* spp. (Noctuidae)  
 Citrus fruit-piercer - *Gonodonta nutrix* (Cramer) - 8540  
 Sugar-apple fruit-piercer - *Gonodonta nutrix* (Cramer) - 8540  
**Fruit-tree leafroller** - *Archips argyrospila* (Walker) - 3648  
**Fruitworm**  
 Cherry fruitworm - *Grapholita packardi* Zeller - 3428  
 Cranberry fruitworm - *Acrobasis vaccinii* Riley - 5653  
 Currant fruitworm - *Carposina fernaldiana* Busck - 2315  
 Gooseberry fruitworm - *Zophodia grossulariella* (Hübner) - 5968  
 Green fruitworm - *Lithophane antennata* (Walker) - 9910  
 Pyramidal fruitworm - *Amphipyra pyramidoides* Guenée - 9638  
 Speckled green fruitworm - *Orthosia hibisci* (Guenée) - 10495  
**Fulvous hairstreak** - *Electrostrymon angelia* (Hewitson) - 4352  
**Funereal dusky wing** - *Erynnis funeralis* (Scudder & Burgess) - 3957  
**Fungus grain moth** - *Episcardia insectella* (Fabricius) - 325  
**Gallmaker**  
 Goldenrod gallmaker - *Gnorimoschema gallaesolidaginis* (Riley) - 1986  
**Garden armyworm** - *Spodoptera latifascia* (Walker) - 9670  
**Garden tortrix** - *Ptycholoma peritana* (Clemens) - 3688  
**Garden webworm** - *Achyra rantalis* (Guenée) - 4975  
**Gaudy sphinx** - *Eumorphia labruscae* (Linnaeus) - 7866  
**Gem geometer** - *Orthonama obstipata* (Fabricius) - 7414  
**Gemmed satyr** - *Cyllopsis gemma* (Hübner) - 4573  
**Genista caterpillar** - *Uresiphita reversalis* (Guenée) - 4992  
**Geometer** - Geometridae  
 Barberry geometer - *Coryphista meadii* (Packard) - 7290  
 Canadian geometer - *Melanolophia canadaria* (Guenée) - 6620  
 Chickweed geometer - *Haematopsis grataria* (Fabricius) - 7146  
 Crocus geometer - *Xanthotype sospeta* (Drury) - 6743  
 Curve-toothed geometer - *Eutrapela clemataria* (J. E. Smith) - 6966  
 Gem geometer - *Orthonama obstipata* (Fabricius) - 7414  
 Jeweled geometer - *Phrygionis argentata* (Drury) - 6671  
 Juniper geometer - *Patalene olyzonaria* (Walker) - 6974  
 Signate geometer - *Melanolophia signataria* (Walker) - 6621  
 Small engrailed geometer - *Ectropis crepuscularia* (Denis & Schiffermüller) - 6597  
**Georgia satyr** - *Neonympha areolata* (J. E. Smith) - 4576  
**Giant brimstone** - *Anteos maerula lacordairei* (Boisduval) - 4227a  
**Giant gray** - *Cymatophora approximaria* Hübner - 6745  
**Giant gray sphinx** - *Pseudosphinx tetrio* (Linnaeus) - 7830  
**Giant sphinx** - *Cocytius antaeus* (Drury) - 7772  
**Giant swallowtail** - *Papilio cressphontes* Cramer - 4170  
**Giant woollybear** - *Hypercompe scribonia* (Stoll) - 8146  
**Goatweed butterfly** - *Anaea andria* Scudder - 4554  
**Goatweed leafwing** - *Anaea andria* Scudder - 4554  
**Gold moth**  
 Eastern gold moth - *Basilodes pepita* Guenée - 9781  
**Gold rim swallowtail** - *Battus polydamas lucayus* (Rothschild & Jordan) - 4158a  
**Golden looper moth** - *Argyrogramma verruca* (Fabricius) - 8885  
**Golden marsh skipper** - *Problema bulenta* (Boisduval & Leconte) - 4053  
**Golden oak borer** - *Paranthrene simulans* (Grote) - 2527  
**Golden skipper** - *Problema byssus* (W. H. Edwards) - 4052  
**Golden-banded skipper** - *Autoclypeus cellus* (Boisduval & Leconte) - 3902  
**Goldenrod gallmaker** - *Gnorimoschema gallaesolidaginis* (Riley) - 1986  
**Goldenrod stowaway** - *Cirrhophanus triangulifer* Grote -

- 9766
- Gooseberry fruitworm** - *Zophodia grossulariella* (Hübner) - 5968
- Graceful underwing** - *Catocala gracilis* W. H. Edwards - 8847
- Grain moth**  
 Angoumois grain moth - *Sitotroga cerealella* (Olivier) - 2260  
 European grain moth - *Nemapogon granella* (Linnaeus) - 266  
 Fungus grain moth - *Episcardia insectella* (Fabricius) - 325  
 Stored grain moth - *Aglossa caprealis* (Hübner) - 5517
- Granite moth** - *Macaria granitata* Guenée - 6352
- Grant's pine tip moth** - *Rhyacionia granti* W. E. Miller - 2879.1
- Granulate cutworm** - *Agrotis subterranea* (Fabricius) - 10664
- Grape berry moth** - *Endopiza viteana* Clemens - 2712
- Grape leaf folder** - *Desmia funeralis* (Hübner) - 5159
- Grape leaf skeletonizer** - *Harrisina americana* (Guérin-Méneville) - 4624
- Grape root borer**  
 Grape root borer - *Vitacea polistiformis* (Harris) - 2530  
 Lesser grape root borer - *Vitacea scepisiformis* (H. Edwards) - 2531
- Grape root borer** - *Vitacea polistiformis* (Harris) - 2530
- Grapevine looper**  
 Greater grapevine looper - *Eulithis gracilineata* (Guenée) - 7197  
 Lesser grapevine looper - *Eulithis diversilineata* (Hübner) - 7196
- Grass looper** - *Mocis* sp. (Noctuidae)  
 Striped grass looper - *Mocis latipes* (Guenée) - 8743
- Grass skipper** - Hesperidae  
 Rockland grass skipper - *Hesperia meskei pinocayo* Gattelle & Minno - 4030b
- Grass tubeworm** - *Acrolophus* sp. (Acrolophidae)  
 Clemens' grass tubeworm - *Acrolophus popeanella* (Clemens) - 373  
 Eastern grass tubeworm - *Acrolophus plumifrontella* (Clemens) - 372  
 Grass tubeworm - *Acrolophus arcanella* (Clemens) - 340  
 Texas grass tubeworm - *Acrolophus texanella* (Chambers) - 383  
 Walsingham's grass tubeworm - *Acrolophus propinquus* (Walsingham) - 374
- Grass tubeworm** - *Acrolophus arcanella* (Clemens) - 340
- Grass webworm**  
 Carpet grass webworm - *Fissicrambus haytiellus* (Zincken) - 5433
- Gray** - Geometridae  
 Common gray - *Anavitrinella pampinaria* (Guenée) - 6590  
 Dotted gray - *Glena cribrataria* (Guenée) - 6449  
 Double-lined gray - *Cleora sublunaria* (Guenée) - 6594  
 Giant gray - *Cymatophora approximaria* Hübner - 6745  
 Porcelain gray - *Protoarmia porcelaria* (Guenée) - 6598  
 Texas gray - *Glenoides texanaria* (Hulst) - 6443  
 Woolly gray - *Lycia ypsilon* (S. A. Forbes) - 6652
- Gray armyworm** - *Spodoptera albula* (Walker) - 9673
- Gray-banded leafroller** - *Argyrotaenia mariana* (Fernald) - 3625
- Gray dagger moth** - *Acrionicta grisea* Walker - 9212
- Gray hairstreak** - *Strymon melinus* Hübner - 4336
- Gray marvel** - *Agriopodes teratophora* (Herrich-Schäffer) - 9284
- Gray ministreak** - *Ministrymon azia* (Hewitson) - 4293
- Gray platy** - *Platynota stultana* (Walsingham) - 3736
- Gray skipper** - *Lerodea eufala* (W. H. Edwards) - 4111
- Gray spring moth** - *Lomographa glomeraria* (Grote) - 6668
- Greasy cutworm** - *Agrotis ipsilon* (Hufnagel) - 10663
- Great ash sphinx** - *Sphinx chersis* (Hübner) - 7802
- Great brocade** - *Eurois occulta* (Linnaeus) - 10929 (p. 62)
- Great purple hairstreak** - *Atlides halesus* (Cramer) - 4270
- Great southern white** - *Ascia monuste phileta* (Fabricius) - 4198a
- Great spangled fritillary** - *Speyeria cybele* (Fabricius) - 4450
- Greater grapevine looper** - *Eulithis gracilineata* (Guenée) - 7197
- Greater sweetpotato webworm** - *Herpetogramma fluctuosalis* (Lederer) - 5273
- Greater wax moth** - *Galleria mellonella* (Linnaeus) - 5622
- Green cloverworm** - *Plathypena scabra* (Fabricius) - 8465
- Green cutworm** - *Anicla infecta* (Ochsenheimer) - 10911
- Green fruitworm** - *Lithophane antennata* (Walker) - 9910  
 Speckled green fruitworm - *Orthosia hibisci* (Guenée) - 10495
- Green marvel** - *Agriopodes fallax* (Herrich-Schäffer) - 9281
- Greenbriar leafroller** - *Pseudothyris sepulchralis* (Boisduval) - 6077
- Green-striped mapleworm** - *Dryocampa rubicunda* (Fabricius) - 7715
- Greenish little skipper** - *Amblyscirtes hegon* (Scudder) - 4096
- Gregarious oak leafminer** - *Cameraria cincinnatiella* (Chambers) - 815
- Grizzled underwing** - *Catocala grisatra* Brower - 8875
- Grote's sphinx** - *Cautethia grotei* H. Edwards - 7867
- Groundling**  
 Pied groundling - *Perigea xanthioides* Guenée - 9689
- Guava caterpillar** - *Prostomeus brunneus* Busck - 2256
- Guava fruit moth** - *Argyresthia eugeniella* Busck - 2452
- Guayacan sulphur** - *Kricogonia lyside* (Godart) - 4235
- Gulf Coast skipper** - *Hesperia meskei straton* (W. H. Edwards) - 4030a
- Gulf fritillary** - *Agraulis vanillae nigrior* Michener - 4413a
- Gypsy moth** - *Lymantria dispar* (Linnaeus) - 8318
- Hacebolus skipper** - *Panoquina hacebolus* (Scudder) - 4120 (p. 62)
- Hackberry butterfly** - *Asterocampa celtis* (Boisduval & Leconte) - 4557
- Hackberry emperor** - *Asterocampa celtis* (Boisduval & Leconte) - 4557
- Hag moth** - *Phobetron pithecium* (J. E. Smith) - 4677
- Hairstreak** - Theclinae (Lycaenidae)  
 Amethyst hairstreak - *Chlorostymon maesites* (Herrich-Schäffer) - 4271  
 Azia hairstreak - *Ministrymon azia* (Hewitson) - 4293  
 Banded hairstreak - *Satyrium calanus* (Hübner) - 4282  
 Bartram's hairstreak - *Strymon acis bartrami* (W. P. Comstock & Huntington) - 4343a  
 Bartram's scrub hairstreak - *Strymon acis bartrami* (W. P. Comstock & Huntington) - 4343a  
 Coontie hairstreak - *Eumaeus atala florida* Röber - 4268a  
 Coral hairstreak - *Satyrium titus mopsus* (Hübner) - 4275a  
 Cuban gray hairstreak - *Strymon martialis* (Herrich-Schäffer) - 4340  
 Disguised hairstreak - *Strymon limenia* (Hewitson) - 4346  
 Disguised scrub hairstreak - *Strymon limenia* (Hewitson) - 4346  
 Dotted hairstreak - *Strymon istapa* (Reakirt) 4345a

- Edward's hairstreak - *Satyrrium edwardsii* (Grote & Robinson) - 4281
- Florida atala hairstreak - *Eumaeus atala florida* Röber - 4268a
- Fulvous hairstreak - *Electrostrymon angelia* (Hewitson) - 4352
- Gray hairstreak - *Strymon melinus* Hübner - 4336
- Great purple hairstreak - *Atlides halesus* (Cramer) - 4270
- Hessel's hairstreak - *Callophrys hesseli* Rawson & Ziegler - 4319
- Juniper hairstreak - *Callophrys gryneus* (Hübner) - 4318a
- King's hairstreak - *Satyrrium kingi* (Klost & Clench) - 4284
- Light-banded hairstreak - *Tmolus azia* (Hewitson) - 4293
- Maesites hairstreak - *Chlorostyrymon maesites* (Herrich-Schäffer) - 4271
- Mallow scrub hairstreak - *Strymon istapa* (Reakirt) 4345a
- Martial hairstreak - *Strymon martialis* (Herrich-Schäffer) - 4340
- Martial scrub hairstreak - *Strymon martialis* (Herrich-Schäffer) - 4340
- Modest hairstreak - *Strymon istapa* (Reakirt) - 4345
- Oak hairstreak - *Fixsenia favonius ontario* (W. H. Edwards) - 4331b
- Olive juniper hairstreak - *Callophrys gryneus* (Hübner) - 4318a
- Ontario hairstreak - *Fixsenia favonius ontario* (W. H. Edwards) - 4331b
- Red-banded hairstreak - *Callophrys cecrops* (Fabricius) - 4299
- Ruddy hairstreak - *Electrostrymon sangala* (Hewitson) - 4351
- St. Christopher's hairstreak - *Chlorostyrymon simaethis* (Drury) - 4273
- Scrub-oak hairstreak - *Satyrrium edwardsii* (Grote & Robinson) - 4281
- Silver-banded hairstreak - *Chlorostyrymon simaethis* (Drury) - 4273
- Southern hairstreak - *Fixsenia favonius* (J. E. Smith) - 4331
- Southern oak hairstreak - *Fixsenia favonius* (J. E. Smith) - 4331
- Striped hairstreak - *Satyrrium liparops* (Leconte) - 4285
- Sweadner's juniper hairstreak - *Callophrys gryneus sweadneri* (R. Chermock) - 4318b
- Verde azul hairstreak - *Chlorostyrymon maesites* (Herrich-Schäffer) - 4271
- White-cedar hairstreak - *Callophrys hesseli* Rawson & Ziegler - 4319
- White-M hairstreak - *Parrhasius m-album* (Boisduval & Leconte) - 4335
- Haitian cracker** - *Hamadryas amphichloe diasia* (Fruhstorfer) - 4542.1
- Haitian skipper** - *Choranthus haitensis* (Skinner) - 4067
- Hammock skipper** - *Polygonus leo savigny* (Latreille) - 3872a
- Harris' three-spot** - *Harrisimena trisignata* (Walker) - 9286
- Harris' yucca skipper** [see Southern yucca skipper] - 4147
- Harvester** - *Feniseca tarquinius* (Fabricius) - 4249
- Hawaiian beet webworm** - *Spoladea recurvalis* (Fabricius) - 5170
- Hawk moth** - Sphingidae
- Abbot's sphinx - *Speocodina abbottii* (Swainson) - 7870
- Achemon sphinx - *Eumorpha achemon* (Drury) - 7861
- Apple sphinx - *Sphinx gordius* Cramer - 7810
- Ash sphinx - *Manduca jasmineearum* (Guérin-Ménéville) - 7783
- Azalea sphinx - *Darapsa pholus* (Cramer) - 7886
- Banded sphinx - *Eumorpha fasciata* (Sulzer) - 7865
- Big poplar sphinx - *Pachysphinx modesta* (Harris) - 7828
- Blind-eyed sphinx - *Paonias excaecatus* (J. E. Smith) - 7824
- Carter's sphinx - *Protambulyx carteri* Rothschild & Jordan - 7819
- Cassava hornworm - *Erinnyis alope* (Drury) - 7832
- Catalpa sphinx - *Ceratonia catalpae* (Boisduval) - 7789
- Coffee sphinx - *Perigonia lusca* (Fabricius) - 7846
- Cramer's sphinx - *Erinnyis crameri* (Schaus) - 7836
- Cypress sphinx - *Isoparce cupressus* (Boisduval) - 7791
- Dominican sphinx - *Erinnyis domingonis* (Butler) - 7838
- Duponchel's sphinx - *Cocytius duponchel* (Poey) - 7773
- Ello sphinx - *Erinnyis ello* (Linnaeus) - 7834
- Fadus sphinx - *Aellopus fadus* (Cramer) - 7850
- False windowed sphinx - *Madoryx pseudothyreus* (Grote) - 7843
- Fig sphinx - *Pachylia ficus* (Linnaeus) - 7841
- Florida sphinx - *Amphion floridensis* B. P. Clark - 7873
- Four-horned sphinx - *Ceratonia amyntor* (Geyer) - 7786
- Franck's sphinx - *Sphinx franckii* Neumoegen - 7808
- Gaudy sphinx - *Eumorpha labruscae* (Linnaeus) - 7866
- Giant sphinx - *Cocytius antaeus* (Drury) - 7772
- Giant gray sphinx - *Pseudosphinx tetrio* (Linnaeus) - 7830
- Great ash sphinx - *Sphinx chersis* (Hübner) - 7802
- Grote's sphinx - *Cautethia grotei* H. Edwards - 7867
- Huckleberry sphinx - *Paonias astylus* (Drury) - 7826
- Hummingbird sphinx - *Hemaris thysbe* (Fabricius) - 7853
- Hydrangea sphinx - *Darapsa versicolor* (Harris) - 7884
- Lassaux's sphinx - *Erinnyis lassauxii* (Boisduval) - 7833
- Laurel sphinx - *Sphinx kalmiae* J. E. Smith - 7809
- Lettered sphinx - *Deidamia inscripta* (Harris) - 7871
- Mournful sphinx - *Enyo lugubris* (Linnaeus) - 7851
- Obscure sphinx - *Erinnyis obscura* (Fabricius) - 7837
- Oleander sphinx - *Erinnyis oenotrus* (Cramer) - 7835
- Pandora sphinx - *Eumorpha pandora* (Hübner) - 7859
- Pawpaw sphinx - *Dolba hylaeus* (Drury) - 7784
- Pine sphinx - *Lapara coniferarum* (J. E. Smith) - 7816
- Plebeian sphinx - *Paratrea plebeja* (Fabricius) - 7793
- Pluto sphinx - *Xylophanes pluto* (Fabricius) - 7887
- Porcus sphinx - *Xylophanes porcus* (Hübner) - 7888
- Proud sphinx - *Proserpinus gaurae* (J. E. Smith) - 7874
- Rustic sphinx - *Manduca rustica* (Fabricius) - 7778
- Sagra sphinx - *Eupyrhoglossum sagra* (Poey) - 7846.1
- Small-eyed sphinx - *Paonias myops* (J. E. Smith) - 7825
- Streaked sphinx - *Protambulyx strigilis* (Linnaeus) - 7818
- Sweetpotato hornworm - *Agrius cingulatus* (Fabricius) - 7771
- Tantalus sphinx - *Aellopos tantalus* (Linnaeus) - 7847
- Tersa sphinx - *Xylophanes tersa* (Linnaeus) - 7890
- Titan sphinx - *Aellopos titan* (Cramer) - 7849
- Tobacco hornworm - *Manduca sexta* (Linnaeus) - 7775
- Tomato hornworm - *Manduca quinquemaculata* (Haworth) - 7776
- Twin-spotted sphinx - *Smerinthus jamaicensis* (Drury) - 7821
- Vine sphinx - *Eumorpha vitis* (Linnaeus) - 7864
- Virginia-creeper sphinx - *Darapsa myron* (Cramer) - 7885
- Walnut sphinx - *Laothoe juglandis* (J. E. Smith) - 7827
- Waved sphinx - *Ceratonia undulosa* (Walker) - 7787
- White-lined sphinx - *Hyles lineata* (Fabricius) - 7894
- Hawthorn underwing** - *Catocala crataegi* Saunders - 8858
- Hayhurst's scalloping** - *Staphylus hayhurstii* (W. H. Edwards) - 3932

**Hayworm** - PyralidaeSouthern hayworm - *Ocrasa nostralis* (Guenée) - 5531**Hemlock looper** - *Lambdina fiscellaria* (Guenée) - 6888**Henry's elfin** - *Callophrys henrici margaretae* dos Passos - 4326a**Henry's marsh moth** - *Simyra henrici* (Grote) - 9280**Herilis cutworm** - *Agrotis herilis* (Grote) - 10676**Hessel's hairstreak** - *Callophrys hesseli* Rawson & Ziegler - 4319**Hickory horned devil** - *Citheronia regalis* (Fabricius) - 7706**Hickory leafroller** - *Argyrotaenia juglandana* (Fernald) - 3622**Hickory shuckworm** - *Cydia caryana* (Fitch) - 3471**Hieroglyphic moth** - *Diphthera festiva* (Fabricius) - 8560**Himalayan grain moth** - *Martyringa xeraula* (Meyrick) - 1066**Hoary-edge skipper** - *Achalarus lyciades* (Geyer) - 3904**Honey locust moth** - *Sphingicampa bicolor* (Harris) - 7709**Hooktip** - DrepanidaeRose hooktip - *Oreta rosea* (Walker) - 6255**Hop looper** - *Hypena humuli* Harris - 8461**Horace's duskywing** - *Erynnis horatius* (Scudder & Burgess), 3952**Horned devil** - *Citheronia* sp. (Saturniidae)Hickory horned devil - *Citheronia regalis* (Fabricius) - 7706**Horned spanworm** - *Nematocampa resistaria* (Herrich-Schäffer) - 7009**Hornworm** - SphingidaeCassava hornworm - *Erinnyis alope* (Drury) - 7832Sweetpotato hornworm - *Agrius cingulatus* (Fabricius) - 7771Tobacco hornworm - *Manduca sexta* (Linnaeus) - 7775Tomato hornworm - *Manduca quinquemaculata* (Haworth) - 7776**Housemaker**Palm leaf housemaker - *Homaledra heptathalama* Busck - 1421**House moth**European house moth - *Niditinea fuscella* (Linnaeus) - 411**Huckleberry sphinx** - *Paonias astylus* (Drury) - 7826**Hummingbird sphinx** - *Hemaris thysbe* (Fabricius) - 7853**Hydrangea sphinx** - *Darapsa versicolor* (Harris) - 7884**Ilia underwing** - *Catocala ilia* (Cramer) - 8801**Imperial moth** - *Eacles imperialis* (Drury) - 7704**Imported cabbageworm** - *Pieris rapae* (Linnaeus) - 4197**Inconsolable underwing** - *Catocala insolabilis* Guenée - 8791**Indian meal moth** - *Plodia interpunctella* (Hübner) - 6019**Indigo dusky wing** - *Erynnis baptisiae* (Forbes) - 3959**Intermediate sphinx** - *Eumorpha intermedia* (B. P. Clark) - 7859.1**Io moth** - *Automeris io* (Fabricius) - 7746**Ironweed clearwing** - *Carmenta bassiformis* (Walker) - 2596**Ivana leafroller** - *Argyrotaenia ivana* (Fernald) - 3627**Jack pine budworm** - *Choristoneura pinus maritima* T. N. Freeman - 3643a**Jair underwing** - *Catocala jair* Strecker - 8879**Jamaican sulphur** - *Eurema nise* (Cramer) - 4238**Jatropha leafminer** - *Neurobathra curcassi* Busck - 663.1**Jeweled geometer** - *Phrygonis argentata* (Drury) - 6671**Julia fritillary** - *Dryas iulia largo* Clench - 4416a**Juniper geometer** - *Patalene olyzonaria* (Walker) - 6974**Juniper hairstreak** - LycaenidaeJuniper hairstreak - *Callophrys gryneus* (Hübner) - 4318aOlive juniper hairstreak - *Callophrys gryneus* (Hübner) - 4318aSweadner's juniper hairstreak - *Callophrys gryneus sweadneri* (R. Chermock) - 4318b**Juniper tip moth** - *Glyphidocera juniperella* Adamski - 1136.1**Juniper webworm** - *Dichomeris marginella* (Fabricius) - 2282**Juvenal's duskywing** - *Erynnis juvenalis* (Fabricius) - 3947**Keys sawgrass skipper** - *Euphyes pilatka klotsi* L. Miller, Harvey & J. Miller - 4071b**Kiawe flower moth** - *Ithome concolorella* (Chambers) - 1638**King's hairstreak** - *Satyrrium kingi* (Klost & Clench) - 4284**Kyoto moth** - *Autosticha kyotensis* (Matsumura) - 1010.1**Lace-winged roadside skipper** - *Amblyscirtes aesculapius* (Fabricius) - 4099**Lady** - *Vanessa* sp. (Nymphalidae)American lady - *Vanessa virginiensis* (Drury) - 4434American painted lady - *Vanessa virginiensis* (Drury) - 4434Painted lady - *Vanessa cardui* (Linnaeus) - 4435**Lantana leaf-tier** - *Salbia haemorrhoidalis* Guenée - 5287**Lantana plume moth** - *Lantanophaga pusillidactyla* (Walker) - 6119**Lantana stick caterpillar** - *Neogalea sunia* (Guenée) - 10032**Lappet moth** - LasiocampidaeSouthern lappet moth - *Phyllodesma occidentis* (Walker) - 7686**Large aspen tortrix** - *Choristoneura conflictana* (Walker) - 3637**Large maple spanworm** - *Prochoerodes transversata incurvata* (Guenée) - 6982a**Large orange sulphur** - *Phoebis agarithe maxima* (Neumögen) - 4231a**Lassaux's sphinx** - *Erinnyis lassauxii* (Boisduval) - 7833**Laurel sphinx** - *Sphinx kalmiae* J. E. Smith - 7809**Laurel swallowtail** - *Papilio palamedes* Drury - 4182**Leaf crumpler** - *Acrobasis indigenella* (Zeller) - 5651**Leafcutter** - Nymphulinae (Pyralidae)Asian hydrilla leafcutter - *Parapoynx diminutalis* Snellen - 4765Floating-heart waterlily leafcutter - *Parapoynx seminealis* (Walker) - 4763Vallisneria leafcutter - *Parapoynx obscuralis* (Grote) - 4760Waterlily leafcutter - *Synclita oblitalis* (Walker) - 4755Watermilfoil leafcutter - *Parapoynx allionealis* Walker - 4764**Leaf folder**Grape leaf folder - *Desmia funeralis* (Hübner) - 5159Redbud leaf-folder - *Fascista cercerisella* (Chambers) - 2204**Leafminer**Avocado leafminer - *Caloptilia perseae* (Busck) - 623Avocado serpentine leafminer - *Phyllocnistis* n. sp. - 851.2Azalea leafminer - *Caloptilia azaleella* (Brants) - 592Blackberry leafminer - *Tischeria aenea* Frey & Boll - 149Citrus leafminer - *Phyllocnistis citrella* Stainton - 854.1Cotton leafminer - *Stigmella gossypii* (Forbes & Leonard) - 76Eggplant leafminer - *Tildenia glochinella* (Zeller) - 2049Florida morning glory leafminer - *Bedellia minor* Busck - 465Gregarious oak leafminer - *Cameraria cincinnatiella* (Chambers) - 815Jatropha leafminer - *Neurobathra curcassi* Busck - 663.1Magnolia serpentine leafminer - *Phyllocnistis magnoliella* Forbes - 851Mahogany leafminer - *Phyllocnistis meliacella* Becker -

- 851.1  
Morning glory leafminer - *Bedellia somnulentella* (Zeller) - 466  
Pecan leafminer - *Cameraria caryaefoliella* (Clemens) - 811  
Pecan serpentine leafminer - *Stigmella juglandifoliella* (Clemens) - 95  
Seagrape leafminer - *Enteucha gilvafascia* (Davis) - 118  
Solitary oak leafminer - *Cameraria hamadryadella* (Chambers) - 823  
Sugarcane leafminer - *Dicranoctetes saccharella* (Busck) - 1132.1  
Tobacco leafminer - *Phthorimaea operculella* (Zeller) - 2011  
Tupelo leafminer - *Antispila nysaefoliella* Clemens - 234
- Leafroller**  
Basswood leafroller - *Pantographa limata* (Grote & Robinson) - 5241  
Bean leafroller - *Urbanus proteus* (Linnaeus) - 3886  
Canna leafroller - *Calpodes ethlius* (Stoll) - 4115  
Clematis leafroller - *Thyris maculata* Harris - 6076  
Clidemia leafroller - *Ategumia ebulealis* (Guenée) - 5158  
Eggplant leafroller - *Lineodes integra* (Zeller) - 5107  
Erythrina leafroller - *Agathodes designalis* Guenée - 5240  
Fruit-tree leafroller - *Archips argyrospila* (Walker) - 3648  
Gray-banded leafroller - *Argyrotaenia mariana* (Fernald) - 3625  
Greenbriar leafroller - *Pseudothyris sepulchralis* (Boisduval) - 6077  
Hickory leafroller - *Argyrotaenia juglandana* (Fernald) - 3622  
Ivana leafroller - *Argyrotaenia ivana* (Fernald) - 3627  
Lesser canna leafroller - *Geshna cannalis* (Quaintance) - 5126  
Oak leafroller - *Archips semiferana* (Walker) - 3653  
Oblique-banded leafroller - *Choristoneura rosaceana* (Harris) - 3635  
Palm leafroller - *Asbolis capucinus* (Lucas) - 4079  
Parallel-banded leafroller - *Choristoneura parallela* (Robinson) - 3633  
Pond apple leafroller - *Argyrotaenia amatana* (Dyar) - 3606  
Raspberry leafroller - *Olethreutes permundana* (Clemens) - 2817  
Red-banded leafroller - *Argyrotaenia velutinana* (Walker) - 3597  
Rice leafroller - *Lerodea eufala* (W. H. Edwards) - 4111  
Strawberry leafroller - *Ancyliis comptana* (Frölich) - 3374  
Sweetpotato leafroller - *Lygropia tripunctata* (Fabricius) - 225248  
Three-lined leafroller - *Pandemis limitata* (Robinson) - 3594  
Yellow-winged oak leafroller - *Argyrotaenia quercifoliana* (Fitch) - 3623
- Leaf shredder**  
Oak leaf shredder - *Croesia semipurpurana* (Kearfott) - 3503
- Leaf skeletonizer**  
Bean-leaf skeletonizer - *Autoplusia egena* (Guenée) - 8891  
Caribbean palm leaf skeletonizer - *Homaledra* n. sp. - 1422.1  
Grape leaf skeletonizer - *Harrisina americana* (Guérin-Méneville) - 4624  
Palm leaf skeletonizer - *Homaledra sabalella* (Chambers) - 1422
- Leaf tier**  
American mulberry leaf tier - *Glyphodes sibillalis* Walker - 5198  
Bayberry leaf tier - *Strepsicrates smithiana* (Walsingham) - 2907  
Blueberry leaf tier - *Croesia curvalana* (Kearfott) - 3504  
Celery leaf tier - *Udea rubigalis* (Guenée) - 5079  
Lantana leaf tier - *Salbia haemorrhoidalis* Guenée - 5287  
Maple leaf tier - *Episimus tyrius* Heinrich - 2703  
Mulberry leaf tier - *Glyphodes sibillalis* Walker - 5198  
Sumac leaf tier - *Episimus argutatus* (Clemens) - 2701
- Leaf webber**  
Bean leaf webber - *Omiodes indicata* (Fabricius) - 5212  
Caper leaf webber - *Dichogama redtenbacheri* Lederer - 4790
- Leaf wing**  
Stinky leaf wing - *Historis odius* (Fabricius) - 4545
- Leafwing** - *Anaea* sp. (Nymphalidae)  
Florida leafwing - *Anaea troglodyta flouidalis* F. Johnson & W. P. Comstock - 4553a  
Goatweed leafwing - *Anaea andria* Scudder - 4554
- Leafworm**  
Bumelia leafworm - *Lactura pupula* (Hübner) - 2405  
Cotton leafworm - *Alabama argillacea* (Hübner) - 8554
- Least skipper** - *Ancyloxypha numitor* (Fabricius) - 4004  
**Least skipperling** - *Ancyloxypha numitor* (Fabricius) - 4004  
**Leatherleaf fern borer** - *Undulambia polystichalis* Capps - 4741  
**Legume caterpillar** - *Selenisa sueroides* (Guenée) - 8658  
**Lespedeza webworm** - *Pococera scortealis* (Lederer) - 5596  
**Lesser canna leafroller** - *Geshna cannalis* (Quaintance) - 5126  
**Lesser cornstalk borer** - *Elasmopalpus lignosellus* (Zeller) - 5896  
**Lesser grape root borer** - *Vitacea scepisiformis* (H. Edwards) - 2531  
**Lesser grapevine looper** - *Eulithis diversilineata* (Hübner) - 7196  
**Lesser loblolly pine coneworm** - *Dioryctria taedivorella* Neunzig & Leidy - 5852.2  
**Lesser maple spanworm** - *Itame pustularia* (Guenée) - 6273  
**Lesser peachtree borer** - *Synanthedon pictipes* (Grote & Robinson) - 2550  
**Lesser soybean looper** - *Rachiplusia ou* (Guenée) - 8895  
**Lesser wax moth** - *Achroia grisella* (Fabricius) - 5623  
**Lettered sphinx** - *Deidamia inscripta* (Harris) - 7871  
**Light-banded hairstreak** - *Tmolus azia* (Hewitson) - 4293  
**Lilac borer** - *Podosesia syringae* (Harris) - 2589  
**Lima-bean pod borer** - *Etiella zinckenella* (Treischke) - 5744  
**Lima-bean vine borer** - *Monoptilota pergratialis* (Hulst) - 5736  
**Lincoln underwing** - *Catocala lincolnana* Brower - 8860  
**Lined stalk borer** - *Oligia fractilinea* (Grote) - 9406  
**Lined underwing** - *Catocala lineella* Grote - 8878.1  
**Litchi budmoth** - *Crociosema litchivora* Baixeras - 3274.2  
**Little Carol's wasp moth** - *Nelphe carolina* H. Edwards - 8271  
**Little carpenterworm** - *Prionoxystus macmurtrei* (Guérin-Méneville) - 2694  
**Little grassy-wing skipper** - *Pompeius verna* (W. H. Edwards) - 4048  
**Little metalmark** - *Calephelis virginienensis* (Guérin-Méneville) - 4386  
**Little nymph underwing** - *Catocala micronympha* Guenée - 8876  
**Little skipper** - Hesperiidae  
Bell's little skipper - *Amblyscirtes belli* H. A. Freeman - 4107  
Black little skipper - *Amblyscirtes vialis* (W. H. Edwards) -



- 4105  
 Cobweb little skipper - *Amblyscirtes aesculapius* (Fabricius) - 4099  
 Dusky little skipper - *Amblyscirtes alternata* (Grote & Robinson) - 4108  
 Greenish little skipper - *Amblyscirtes hegon* (Scudder) - 4096  
**Little sulphur** - *Eurema lisa* (Boisduval & Leconte) - 4237  
**Little tawny edge skipper** - *Polites baracoa* (Lucas) - 4040  
**Little underwing** - *Catocala minuta* W. H. Edwards - 8874  
**Little wife underwing** - *Catocala muliercula* Guenée - 8774  
**Little wood satyr** - *Megisto cymela* (Cramer) - 4578  
**Little yellow** - *Eurema lisa* (Boisduval & Leconte) - 4237  
**Loblolly pine coneworm** - *Dioryctria merkei* Mutuura & Munroe - 5852.1  
**Locust bean moth** - *Ectomyelois ceratoniae* (Zeller) - 5723  
**Locust twig borer** - *Cydia insiticiaria* Zeller - 3497  
**Locust underwing** - *Euparthenos nubilis* (Hübner) - 8719  
**Longhorn moth** (Adelidae)  
 Southern longhorn moth - *Adela caeruleella* Walker - 227  
**Long-tailed skipper** - *Urbanus proteus* (Linnaeus) - 3886  
**Longwing** - *Heliconius* sp. (Nymphalidae: Heliconiinae)  
 Zebra longwing - *Heliconius charithonia tuckerorum* W. P. Comstock & F. M. Brown - 4418a  
**Long-winged skipper** - *Panoquina ocola* (W. H. Edwards) - 4119  
**Longleaf pine seedworm** - *Cydia ingens* (Heinrich) - 3487  
**Looper**  
 Blackberry looper - *Chlorochlamys chloroleucaria* (Guenée) - 7071  
 Cabbage looper - *Trichoplusia ni* (Hübner) - 8887  
 Celery looper - *Anagrapha falcifera* (Kirby) - 8924  
 Clover looper - *Caenurgina crassiuscula* (Haworth) - 8738  
 Cypress looper - *Anacamptodes pergracilis* (Hulst) - 6580  
 Eastern oak looper - *Phigalia titea* (Cramer) - 6658  
 Forage looper - *Caenurgina erechtea* (Cramer) - 8739  
 Golden looper moth - *Argyrogramma verruca* (Fabricius) - 8885  
 Greater grapevine looper - *Eulithis gracilineata* (Guenée) - 7197  
 Hemlock looper - *Lambdina fiscellaria* (Guenée) - 6888  
 Hop looper - *Hypena humuli* Harris - 8461  
 Lesser grapevine looper - *Eulithis diversilineata* (Hübner) - 7196  
 Lesser soybean looper - *Rachiplusia ou* (Guenée) - 8895  
 Pine conelet looper - *Nepytia semiclusaria* (Walker) - 6908  
 Small oak looper - *Phigalia strigataria* (Minot) - 6660  
 Southern oak looper - *Lambdina pultaria* (Guenée) - 6889  
 Southern pine looper - *Caripeta aretaria* (Walker) - 6869  
 Soybean looper - *Pseudoplusia includens* (Walker) - 8890  
 Striped grass looper - *Mocis latipes* (Guenée) - 8743  
 Vetch looper - *Caenurgia chloropha* (Hübner) - 8733  
 Willow looper - *Anacamptodes defectaria* (Guenée) - 6586  
**Louise underwing** - *Catocala louiseae* J. Bauer - 8848  
**Lucas' blue** - *Cyclargus ammon* (Lucas) - 4358.1  
**Luna moth** - *Actias luna* (Linnaeus) - 7758  
**Lyside sulphur** - *Kricogonia lyside* (Godart) - 4235  
**Maesites hairstreak** - *Chlorostrymon maesites* (Herrich-Schäffer) - 4271  
**Magnolia borer** - *Euzophera magnolialis* Capps - 5996  
**Magnolia serpentine leafminer** - *Phyllocnistis magnoliella* Forbes - 851  
**Mahogany leafminer** - *Phyllocnistis meliacella* Becker - 851.1  
**Mahogany shootborer** - *Hypsipyla grandella* (Zeller) - 5705  
**Mahogany webworm** - *Macalla thyrsisalis* Walker - 5575  
**Malachite** - *Siproeta stelenes biplagiata* (Fruhstorfer) - 4446a  
**Mallow caterpillar** - *Anomis erosa* Hübner - 8545  
**Mallow scrub hairstreak** - *Strymon istapa* (Reakirt) 4345a  
**Mangrove buckeye** - *Junonia evarete* (Cramer) - 4442  
**Mangrove skipper** - *Phocides pimalion okeechobee* (Worthington) - 3865a  
**Manuel's skipper** - *Polygonus manueli* Bell & W. P. Comstock - 3873 (p. 62)  
**Many-banded dagger wing** - *Marpesia chiron* (Fabricius) - 4549  
**Many-dotted appleworm** - *Balsa malana* (Fitch) - 9662  
**Maple callus borer** - *Synanthedon acerni* (Clemens) - 2554  
**Maple leaf-tier** - *Episimus tyrius* Heinrich - 2703  
**Maple spanworm** - *Ennomos magnaria* Guenée - 6797  
**Mapleworm** - *Dryocampa* sp. (Saturniidae)  
 Green-striped mapleworm - *Dryocampa rubicunda* (Fabricius) - 7715  
**Marsh skipper**  
 Atlanta marsh skipper - *Poanes aaroni howardi* (Skinner) - 4062a  
 Broad marsh skipper - *Poanes viator zizaniae* Shapiro - 4064a  
 Golden marsh skipper - *Problema bulenta* (Boisduval & Leconte) - 4053  
**Martial hairstreak** - *Strymon martialis* (Herrich-Schäffer) - 4340  
**Martial scrub hairstreak** - *Strymon martialis* (Herrich-Schäffer) - 4340  
**Marvel**  
 Gray marvel - *Agriopodes teratophora* (Herrich-Schäffer) - 9284  
 Green marvel - *Agriopodes fallax* (Herrich-Schäffer) - 9281  
**Meal moth** - Pyralidae  
 Indian meal moth - *Plodia interpunctella* (Hübner) - 6019  
 Meal moth - *Pyrallis farinalis* Linnaeus - 5510  
 Tropical meal moth - *Pyrallis manihotalis* Guenée - 5515  
**Meal moth** - *Pyrallis farinalis* Linnaeus - 5510  
**Mediterranean flour moth** - *Ephestia kuehniella* Zeller - 6020  
**Melonworm** - *Diaphania hyalinata* (Linnaeus) - 5204  
**Mercurial skipper** - *Proteides mercurius sanantonio* (Lucas) - 3868a  
**Messalina Sulphur** - *Eurema messalina blakei* (Maynard) - 4239a  
**Messalina underwing** - *Catocala messalina* Guenée - 8845  
**Mestra** - *Mestra* sp. (Nymphalidae)  
 Florida mestra - *Mestra cana floridana* (Strecker) - 4538a  
**Metalmark** - Riodinidae  
 Little metalmark - *Calephelis virginensis* (Guérin-Ménéville) - 4386  
**Metalmark moth** - Choreutidae  
 Slosson's metalmark moth - *Tortyra slossonia* (Fernald) - 2653  
**Mexican cycad butterfly** - *Eumaeus minijas* (Hübner) - 4269 (p. 62)  
**Miami blue** - *Cyclargus thomasi bethunebakeri* (W. P. Comstock & Huntington) - 4358a  
**Migrant sulphur** - *Aphrissa statira floridensis* (Neumoegen) - 4233a  
**Milkweed tussock moth** - *Euchaetes egle* (Drury) - 8238  
**Mimic** - *Hypolimnys misippus* (Linnaeus) - 4439  
**Mimosa webworm** - *Homadula anisocentra* Meyrick -

2400.1

**Mimosa yellow** - *Eurema nise* (Cramer) - 4238**Miner**Florida citrus peel miner - *Marmara* n. sp. - 716.1Pecan blotch miner - *Phyllonorycter caryaealbella* (Chambers) - 741**Minute pitch-blister moth** - *Retinia houseri* (W. E. Miller) - 2902**Miranda underwing** - *Catocala miranda* H. Edwards - 8855**Modest hairstreak** - *Strymon istapa* (Reakirt) - 4345**Monarch** - *Danaus plexippus* (Linnaeus) - 4614**Monk skipper** - *Asbolis capucinus* (Lucas) - 4079**Moonseed owlet** - *Plusiodonta compressipalpis* Guenée - 8534**Morning glory leafminer** - *Bedellia somnulentella* (Zeller) - 466**Moth**Acorn moth - *Blastobasis glandulella* (Riley) - 1162African scavenger moth - *Praeacedes atomosella* (Walker) - 423Almond moth - *Cadra cautella* (Walker) - 6022American dagger moth - *Acronicta americana* (Harris) - 9200Angoumois grain moth - *Sitotroga cerealella* (Olivier) - 2260Apple fruit moth - *Argyresthia conjugella* Zeller - 2449Artichoke plume moth - *Platyptilia carduidactyla* (Riley) - 6109Banana moth - *Opogona sacchari* (Bojer) - 432.1Banded tussock moth - *Halysidota tessellaris* (J. E. Smith) - 8203Bassett moth - *Euclémensia bassettella* (Clemens) - 1467Bella moth - *Utetheisa bella* (Linnaeus) - 8106Birch dagger moth - *Acronicta betulae* Riley - 9208Bird nest moth - *Monopis crocipitella* (Clemens) - 415Black-waved flannel moth - *Lagoa crispata* (Packard) - 4644Brown diamondback moth - *Plutella porrectella* (Linnaeus) - 2363Buck moth - *Hemileuca maia* (Drury) - 7730Burdock seed moth - *Metzneria lappella* (Linnaeus) - 1685Cacao moth - *Ephestia elutella* (Hübner) - 6021Cactus moth - *Cactoblastis cactorum* (Berg) - 5976.1Caribbean dried fruit moth - *Ectomyelois decolor* (Zeller) - 5722Caribbean scavenger moth - *Erechthias minuscula* (Walsingham) - 304Carob moth - *Ectomyelois ceratoniae* (Zeller) - 5723Carolina silk moth - *Callosamia securifera* (Maassen) - 7766Casemaking clothes moth - *Tinea pellionella* Linnaeus - 405Cattail flower moth - *Limnaecia phragmitella* Stainton - 1515Cecropia moth - *Hyalophora cecropia* (Linnaeus) - 7767Clemens' bark moth - *Xylesthia pruniramiella* Clemens - 317Codling moth - *Cydia pomonella* (Linnaeus) - 3492Cottonwood dagger moth - *Acronicta lepusculina* Guenée - 9205Diamondback moth - *Plutella xylostella* (Linnaeus) - 2366Dried fruit moth - *Vitula edmandsii* (Packard) - 6007Eastern gold moth - *Basilodes pepita* Guenée - 9781Echo moth - *Seiractia echo* (J. E. Smith) - 8130Edward's wasp moth - *Lymire edwardsii* (Grote) - 8270European grain moth - *Nemapogon granella* (Linnaeus) - 266European house moth - *Niditinea fuscella* (Linnaeus) - 411Eyespotted budmoth - *Spilonota ocellana* (Denis & Schiffermüller) - 2906False wax moth - *Vitula edmandsii* (Packard) - 6007Fig moth - *Cadra cautella* (Walker) - 6022Fingered dagger moth - *Acronicta dactylina* Grote - 9203Florida tussock moth - *Halysidota cinctipes* Grote - 8202Fungus grain moth - *Episcardia insectella* (Fabricius) - 325Granite moth - *Macaria granitata* Guenée - 6352Grant's pine tip moth - *Rhyacionia granti* W. E. Miller - 2879.1Grape berry moth - *Endopiza viteana* Clemens - 2712Gray dagger moth - *Acronicta grisea* Walker - 9212Gray spring moth - *Lomographa glomeraria* (Grote) - 6668Greater wax moth - *Galleria mellonella* (Linnaeus) - 5622Guava fruit moth - *Argyresthia eugeniella* Busck - 2452Gypsy moth - *Lymantria dispar* (Linnaeus) - 8318Hag moth - *Phobetron pithecium* (J. E. Smith) - 4677Henry's marsh moth - *Simyra henrici* (Grote) - 9280Hieroglyphic moth - *Diphthera festiva* (Fabricius) - 8560Himalayan grain moth - *Martyringa xeraula* (Meyrick) - 1066Honey locust moth - *Sphingicampa bicolor* (Harris) - 7709Imperial moth - *Eacles imperialis* (Drury) - 7704Indian meal moth - *Plodia interpunctella* (Hübner) - 6019Io moth - *Automeris io* (Fabricius) - 7746Juniper tip moth - *Glyphidocera juniperella* Adamski - 1136.1Kiawe flower moth - *Ithome concolorella* (Chambers) - 1638Kyoto moth - *Autosticha kyotensis* (Matsumura) - 1010.1Lantana plume moth - *Lantanophaga pusillidactyla* (Walker) - 6119Lesser wax moth - *Achroia grisella* (Fabricius) - 5623Litchi budmoth - *Crociosema litchivora* Baixeras - 3274.2Little Carol's wasp moth - *Nelphe carolina* H. Edwards - 8271Locust bean moth - *Ectomyelois ceratoniae* (Zeller) - 5723Luna moth - *Actias luna* (Linnaeus) - 7758Meal moth - *Pyralis farinalis* Linnaeus - 5510Mediterranean flour moth - *Ephestia kuehniella* Zeller - 6020Milkweed tussock moth - *Euchaetes egle* (Drury) - 8238Minute pitch-blister moth - *Retinia houseri* (W. E. Miller) - 2902Mulberry moth - *Glyphodes pyloalis* Walker - 5197Mung moth - *Maruca vitrata* (Fabricius) - 5157.1Nantucket pine tip moth - *Rhyacionia frustrana* (Comstock) - 2882Nason's slug moth - *Natada nasoni* (Grote) - 4679Ochre dagger moth - *Acronicta morula* Grote & Robinson - 9236Opogona moth - *Opogona sacchari* (Bojer) - 432.1Orange-spotted flower moth - *Syngamia florella* (Stoll) - 5284Oriental fruit moth - *Grapholita molesta* (Busck) - 3426Ornate moth - *Utetheisa ornatrix* (Linnaeus) - 8105Owl moth - *Thysania zenobia* (Cramer) - 8647Palm budmoth - *Atheloca subrufella* (Hulst) - 5734Pecan budmoth - *Gretchena bolliana* (Slingerland) - 3263Pepper flower-bud moth - *Symmetrischema capsicum* (Bradley & Povolný) - 2032Peruvian oleander moth - *Palpita flegia* (Cramer) - 5217Pine devil moth - *Citheronia sepulcralis* Grote & Robinson - 7708Pine tube moth - *Argyrotaenia pinatubana* (Kearfott) - 3602Pitch pine tip moth - *Rhyacionia rigidana* (Fernald) - 2868Planthopper moth - *Fulgoraegia exigua* (H. Edwards) - 4701Polyphemus moth - *Antheraea polyphemus* (Cramer) - 7757Promethea moth - *Callosamia promethea* (Drury) - 7764Purple opogona moth - *Opogona purpuriella* Swezey - 433.1

- Raisin moth - *Cadra figulilella* (Gregson) - 6023  
 Rice moth - *Corcyra cephalonica* (Stainton) - 5634  
 Royal walnut moth - *Citheronia regalis* (Fabricius) - 7706  
 Ruddy dagger moth - *Acronicta rubricoma* Guenée - 9199  
 Scale-feeding scavenger moth - *Holcocera coccivorella* (Chambers) - 1158  
 Scale-feeding snout moth - *Laetilia coccidivora* (J. H. Comstock) - 5949  
 Scarlet wasp moth - *Cosmosoma myrodora* Dyar - 8280  
 Silkworm moth - *Bombyx mori* (Linnaeus) - 7668  
 Skiff moth - *Prolimacodes badius* (Hübner) - 4671  
 Slosson's metalmark moth - *Tortyra slossonia* (Fernald) - 2653  
 Smeared dagger moth - *Acronicta obliterata* (J. E. Smith) - 9272  
 Southern flannel moth - *Megalopyge opercularis* (J. E. Smith) - 4647  
 Southern longhorn moth - *Adela caeruleella* Walker - 227  
 Southern pitch-blister moth - *Retinia taedana* (W. E. Miller) - 2890  
 Spanish moth - *Xanthopastis timais* (Cramer) - 10640  
 Speared dagger moth - *Acronicta hasta* Guenée - 9229  
 Spiny oak-slug moth - *Euclia delphinii* (Boisduval) - 4697  
 Stored grain moth - *Aglossa caprealis* (Hübner) - 5517  
 Streaked dagger moth - *Acronicta lithospila* Grote - 9266  
 Subtropical pine tip moth - *Rhyacionia subtropica* W. E. Miller - 2869  
 Sunflower budmoth - *Suleima helianthana* (Riley) - 3212  
 Sunflower moth - *Homoeosoma electellum* (Hulst) - 5935  
 Sycamore tussock moth - *Halysidota harrisii* Walsh - 8204  
 Teak moth - *Hyblaea puera* (Cramer) - 6088  
 Tobacco moth - *Ephestia elutella* (Hübner) - 6021  
 Triton dagger moth - *Acronicta tritona* (Hübner) - 9211  
 Tropical meal moth - *Pyralis manihotalis* Guenée - 5515  
 Tropical tobacco moth - *Setomorpha rutella* Zeller - 428  
 Tuliptree silk moth - *Callosamia angulifera* (Walker) - 7765  
 Umber moth - *Hypomecis umbrosaria* (Hübner) - 6439  
 Verbena budmoth - *Endothenia hebesana* (Walker) - 2738  
 Walnut shoot moth - *Acrobasis demotella* Grote - 5674  
 Wasp parasitizer moth - *Chalcoela pegasalis* (Walker) - 4896  
 Waterhyacinth moth - *Niphograptus albiguttalis* (Warren) - 5149  
 Webbing clothes moth - *Tineola bisselliella* (Hummel) - 426  
 White flannel moth - *Norape ovina* (Sepp) - 4650  
 White-marked tussock moth - *Orgyia leucostigma* (J. E. Smith) - 8316  
 White spring moth - *Lomographa vestaliata* (Guenée) - 6667  
 Wrinkled flannel moth - *Lagoa crispata* (Packard) - 4644  
 Yellow-collared scape moth - *Ciseps fulvicollis* (Hübner) - 8267  
 Yucca moth - *Tegeticula yuccasella* (Riley) - 198  
**Mottled dusky wing** - *Erynnis martialis* (Scudder) - 3954  
**Mottled gray cutworm** - *Abagrotis alternata* (Grote) - 11029  
**Mournful sphinx** - *Enyo lugubris* (Linnaeus) - 7851  
**Mourning cloak** - *Nymphalis antiopa* (Linnaeus) - 4432  
**Mulberry leaf-tier**  
 American mulberry leaf-tier - *Glyphodes sibillalis* Walker - 5198  
**Mulberry moth** - *Glyphodes pyloalis* Walker - 5197  
**Mung moth** - *Maruca vitrata* (Fabricius) - 5157.1  
**Mustard white** - *Ascia monuste phileta* (Fabricius) - 4198  
**Nantucket pine tip moth** - *Rhyacionia frustrana* (Comstock) - 2882  
**Nason's slug moth** - *Natada nasoni* (Grote) - 4679  
**Navel orangeworm** - *Amyelois transitella* (Walker) - 5724  
**Neamathla skipper** - *Nastra neamathla* (Skinner & R. C. Williams) - 3995  
**Needleminer** - Gelechiidae  
 Pine needleminer - *Exoteleia pinifoliella* (Chambers) - 1840  
**Nickerbean blue** - *Cyclargus ammon* (Lucas) - 4358.1  
**Nicippe sulphur** - *Eurema nicippe* (Cramer) - 4242  
**Northern cloudywing** - *Thorybes pylades* (Scudder) - 3910  
**Nutmeg** - *Discestra trifolii* (Hufnagel) - 10223  
**Nycteis crescent** - *Chlosyne nycteis* (Doubleday) - 4490  
**Nyctelius skipper** - *Nyctelius nyctelius* (Latreille) - 4123  
**Nymph** - Satyrinae (Nymphalidae)  
 Abbot's wood nymph [see Common wood nymph] - 4587  
 Beautiful wood nymph - *Eudryas grata* (Fabricius) - 9301  
 Common wood nymph - *Cercyonis pegala* (Fabricius) - 4587  
 Pearly wood nymph - *Eudryas unio* (Hübner) - 9299  
**Oak beauty** - *Nacophora quernaria* (J. E. Smith) - 6763  
**Oak borer**  
 Golden oak borer - *Paranthrene simulans* (Grote) - 2527  
**Oak clearwing borer** - *Paranthrene asilipennis* (Guérin-Ménéville) - 2522  
**Oak hairstreak** - *Fixsenia favonius ontario* (W. H. Edwards) - 4331b  
**Oak leaf shredder** - *Croesia semipurpurana* (Kearfott) - 3503  
**Oak leafroller** - *Archips semiferrana* (Walker) - 3653  
**Oak looper**  
 Small oak looper - *Phigalia strigataria* (Minot) - 6660  
**Oakworm** - *Anisota* sp. (Saturniidae)  
 Consular oakworm - *Anisota consularis* Dyar - 7718  
 Peigler's orange-striped oakworm - *Anisota peigleri* Riotte - 7720  
 Pink-striped oakworm - *Anisota virginensis* (Drury) - 7723  
 Southern oakworm - *Anisota consularis* Dyar - 7718  
 Spiny oakworm - *Anisota stigma* (Fabricius) - 7716  
 Virginia oakworm - *Anisota virginensis* (Drury) - 7723  
**Oblique-banded leafroller** - *Choristoneura rosaceana* (Harris) - 3635  
**Oblique prominent** - *Heterocampa obliqua* Packard - 7983  
**Obscure skipper** - *Panoquina panoquinoides* (Skinner) - 4117  
**Obscure sphinx** - *Erinnyis obscura* (Fabricius) - 7837  
**Ochre dagger moth** - *Acronicta morula* Grote & Robinson - 9236  
**Ocola skipper** - *Panoquina ocola* (W. H. Edwards) - 4119  
**Oleander caterpillar** - *Syntomeida epilais jucundissima* Dyar - 8284  
**Oleander moth**  
 Peruvian oleander moth - *Palpita flegia* (Cramer) - 5217  
**Oleander sphinx** - *Erinnyis oenotrus* (Cramer) - 7835  
**Olive caterpillar**  
 Black olive caterpillar - *Characoma nilotica* (Rogenhofer) - 8974  
**Olive juniper hairstreak** - *Callophrys gryneus* (Hübner) - 4318a  
**Omnivorous platy** - *Platynota rostrana* (Walker) - 3745  
**Ontario hairstreak** - *Fixsenia favonius ontario* (W. H. Edwards) - 4331b  
**Opogona moth** - *Opogona sacchari* (Bojer) - 432.1  
 Purple opogona moth - *Opogona purpuricella* Swezey - 433.1  
**Orange** - Coliadinae (Pieridae)  
 Banded orange - *Dryadula phaetusa* (Linnaeus) - 4415  
 Sleepy orange - *Eurema nicippe* (Cramer) - 4242  
**Orange-barred sulphur** - *Phoebis philea* (Johansson) - 4229

- Orange dog** - *Papilio cresphontes* Cramer - 4170
- Orange-spotted flower moth** - *Syngamia florella* (Stoll) - 5284
- Orange-striped oakworm**  
Peigler's orange-striped oakworm - *Anisota peigleri* Riotte - 7720
- Orange sulphur** - *Colias eurytheme* Boisduval - 4210
- Orangetip** - *Anthocharis* sp. (Pieridae)  
Falcate orangetip - *Anthocharis midea* (Hübner) - 4207
- Orange webworm** - *Dichomeris citrifoliella* (Chambers) - 2292
- Orange wing** - *Mellila xanthometata* (Walker) - 6322
- Orangeworm**  
Navel orangeworm - *Amyelois transitella* (Walker) - 5724
- Orb underwing** - *Catocala orba* Kusnezov - 8856
- Orbed sulphur** - *Aphrissa orbis* (Poey) - 4234
- Oriental fruit moth** - *Grapholita molesta* (Busck) - 3426
- Orion** - *Historis odius* (Fabricius) - 4545
- Ornate moth** - *Utetheisa ornatrix* (Linnaeus) - 8105
- Osmunda borer** - *Papaipema speciosissima* (Grote & Robinson) - 9482
- Owl moth** - *Thysania zenobia* (Cramer) - 8647
- Owlet** (Noctuidae)  
Bahamian palm owlet - *Litoprosopus bahamensis* Hampson - 8557  
Dead-wood owlet - *Scolecocampa liburna* (Geyer) - 8514  
Moonseed owlet - *Plusiodonta compressipalpis* Guenée - 8534  
Waterlily owlet - *Homophoberia cristata* Morrison - 9056
- Painted lady** - *Vanessa cardui* (Linnaeus) - 4435  
American painted lady - *Vanessa virginiensis* (Drury) - 4434
- Palamedes swallowtail** - *Papilio palamedes* Drury - 4182
- Palatka skipper** - *Euphyes pilatka* (W. H. Edwards) - 4071
- Pale cracker** - *Hamadryas amphichloe diasia* (Fruhstorfer) - 4542.1
- Pale-sided cutworm** - *Agrotis malefida* Guenée - 10661
- Palm bud moth** - *Atheloca subrufella* (Hulst) - 5734
- Palm leaf housemaker** - *Homaledra heptathalama* Busck - 1421
- Palm leaf skeletonizer** - *Homaledra sabalella* (Chambers) - 1422  
Caribbean palm leaf skeletonizer - *Homaledra* n. sp. - 1422.1
- Palm leafroller** - *Asbolis capucinus* (Lucas) - 4079
- Palm owlet**  
Bahamian palm owlet - *Litoprosopus bahamensis* Hampson - 8557
- Palmerworm** - *Dichomeris ligulella* Hübner - 2281
- Palmetto skipper** - *Euphyes arpa* (Boisduval & Leconte) - 4070
- Pandora sphinx** - *Eumorpha pandora* (Hübner) - 7859
- Papaya webworm** - *Davara caricae* (Dyar) - 5732
- Parallel-banded leafroller** - *Choristoneura parallela* (Robinson) - 3633
- Parasitizer moth**  
Wasp parasitizer moth - *Chalcoela pegasalis* (Walker) - 4896
- Parsley worm** - *Papilio polyxenes asterius* Stoll - 4159a
- Pawpaw sphinx** - *Dolba hyloeus* (Drury) - 7784
- Peach twig borer** - *Anarsia lineatella* Zeller - 2257
- Peachtree borer** - *Synanthedon exitiosa* (Say) - 2583
- Peacock** - *Anartia* sp. (Nymphalidae)  
Caribbean peacock - *Anartia chrysopelea* (Hübner) - 4444  
Cuban peacock - *Anartia chrysopelea* (Hübner) - 4444  
White peacock - *Anartia jatrophae guantanamo* Munroe - 4443a
- Peanutworm**  
Red-necked peanutworm - *Stegasta bosqueella* (Chambers) - 2209
- Pearl crescent** - *Phyciodes tharos* (Drury) - 4481
- Pearly eye** - Satyrinae (Nymphalidae)  
Creole pearly eye - *Enodia creola* (Skinner) - 4568.2 (p. 62)  
Southern pearly eye - *Enodia portlandia floralae* (J. R. Heitzman & dos Passos) - 4568a
- Pearly wood nymph** - *Eudryas unio* (Hübner) - 9299
- Pecan bark borer** - *Synanthedon geliformis* (Walker) - 2547
- Pecan blotch miner** - *Phyllonorycter caryaebella* (Chambers) - 741
- Pecan bud moth** - *Gretchena bolliana* (Slingerland) - 3263
- Pecan carpenterworm** - *Cossula magnifica* (Strecker) - 2674
- Pecan cigar casebearer** - *Coleophora laticornella* Clemens - 1291
- Pecan leaf casebearer** - *Acrobasis juglandis* (LeBaron) - 5661
- Pecan leafminer** - *Cameraria caryaefoliella* (Clemens) - 811
- Pecan nursery casemaker** - *Acrobasis caryvorella* Ragonot - 5686
- Pecan nut casebearer** - *Acrobasis nuxvorella* Neunzig - 5667
- Pecan serpentine leafminer** - *Stigmella juglandifoliella* (Clemens) - 95
- Peel miner**  
Florida citrus peel miner - *Marmara* n. sp. - 716.1
- Penitent underwing** - *Catocala piatrix* Grote - 8771
- Pepper and salt skipper** - *Amblyscirtes hegon* (Scudder) - 4096
- Pepper flower-bud moth** - *Symmetrischema capsicum* (Bradley & Povolný) - 2032
- Persimmon borer** - *Sannina uroceriformis* Walker - 2590
- Peruvian oleander moth** - *Palpita flegia* (Cramer) - 5217
- Phaon crescent** - *Phyciodes phaon* (W. H. Edwards) - 4480
- Phryxus sphinx** - *Phryxus caicus* (Cramer) - 7840
- Pickereelweed borer** - *Bellura densa* (Walker) - 9526
- Pickleworm** - *Diaphania nitidalis* (Stoll) - 5202
- Pied groundling** - *Perigea xanthioides* Guenée - 9689
- Pine cone borer** - Tortricidae  
Shortleaf pine cone borer - *Eucosma cocana* Kearfott - 3072
- Pine conelet looper** - *Nepytia semichusaria* (Walker) - 6908
- Pine coneworm** - *Dioryctria* sp. (Pyralidae)  
Bald cypress coneworm - *Dioryctria pygmaeella* Ragonot - 5849  
Lesser loblolly pine coneworm - *Dioryctria taedivorella* Neunzig & Leidy - 5852.2  
Loblolly pine coneworm - *Dioryctria merkei* Mutuura & Munroe - 5852.1  
Southern pine coneworm - *Dioryctria amatella* (Hulst) - 5853
- Pine devil moth** - *Citheronia sepulchralis* Grote & Robinson - 7708
- Pine looper**  
Southern pine looper - *Caripeta aretaria* (Walker) - 6869
- Pine needleminer** - *Exoteleia pinifoliella* (Chambers) - 1840
- Pine seedworm** - *Cydia* sp. (Tortricidae)  
Eastern pine seedworm - *Cydia toreuta* (Grote) - 3486  
Longleaf pine seedworm - *Cydia ingens* (Heinrich) - 3487  
Slash pine seedworm - *Cydia anaranjada* (W. E. Miller) - 3488
- Pine sphinx** - *Lapara coniferarum* (J. E. Smith) - 7816
- Pine tip moth** - *Rhyacionia* sp. (Tortricidae)  
Grant's pine tip moth - *Rhyacionia granti* W. E. Miller -

- 2879.1  
Nantucket pine tip moth - *Rhyacionia frustrana* (Comstock) - 2882  
Pitch pine tip moth - *Rhyacionia rigidana* (Fernald) - 2868  
Subtropical pine tip moth - *Rhyacionia subtropica* W. E. Miller - 2869  
**Pine tube moth** - *Argyrotaenia pinatubana* (Kearfott) - 3602  
**Pine webworm** - *Pococera robustella* (Zeller) - 5595  
**Pink bollworm** - *Pectinophora gossypiella* (Saunders) - 2261  
**Pink scavenger caterpillar** - *Pyroderces rileyi* (Walsingham) - 1512  
Florida pink scavenger caterpillar - *Pyroderces badia* (Hodges) - 1513  
**Pink-striped oakworm** - *Anisota virginienensis* (Drury) - 7723  
**Pinworm** - Gelechiidae  
Tomato pinworm - *Keiferia lycopersicella* (Walsingham) - 2047  
**Pipevine swallowtail** - *Battus philenor* (Linnaeus) - 4157  
**Pitch-blister moth** - *Retinia* sp. (Tortricidae)  
Minute pitch-blister moth - *Retinia houseri* (W. E. Miller) - 2902  
Southern pitch-blister moth - *Retinia taedana* (W. E. Miller) - 2890  
**Pitch pine tip moth** - *Rhyacionia rigidana* (Fernald) - 2868  
**Pitcher-plant borer** - *Papaipema appassinata* (Harvey) - 9493  
**Planthopper moth** - *Fulgoraecia exigua* (H. Edwards) - 4701  
**Plaster bagworm** - *Pheroeca uterella* (Walsingham) - 390  
**Platy** - *Platynota* sp. (Tortricidae)  
Gray platy - *Platynota stultana* (Walsingham) - 3736  
Omnivorous platy - *Platynota rostrana* (Walker) - 3745  
**Plebeian sphinx** - *Paratrea plebeja* (Fabricius) - 7793  
**Plume moth** - Pterophoridae  
Artichoke plume moth - *Platyptilia carduidactyla* (Riley) - 6109  
Lantana plume moth - *Lantanophaga pusillidactyla* (Walker) - 6119  
**Pluto sphinx** - *Xylophanes pluto* (Fabricius) - 7887  
**Pod borer**  
Bean pod borer - *Maruca vitrata* (Fabricius) - 5157.1  
Bromeliad pod borer - *Epimorius testaceellus* Ragonot - 5634.1  
Caribbean pod borer - *Fundella pellucens* Zeller - 5725  
Lima-bean pod borer - *Etiella zinckenella* (Treischke) - 5744  
Sapodilla pod borer - *Dichrorampha sapodilla* Heppner - 3414.1  
**Poinciana caterpillar**  
Royal poinciana caterpillar - *Melipotis acontoides* (Guenée) - 8610  
**Polydamas swallowtail** - *Battus polydamas lucayus* (Rothschild & Jordan) - 4158a  
*Polydamus swallowtail* (missp.) [see polydamas swallowtail]  
**Polyphemus moth** - *Antheraea polyphemus* (Cramer) - 7757  
**Pond apple leafroller** - *Argyrotaenia amatana* (Dyar) - 3606  
**Poplar clearwing borer** - *Paranthrene dollii* Neumoegen) - 2523  
**Poplar tentmaker** - *Clostera inclusa jocosa* (H. Edwards) - 7896a  
**Porcelain gray** - *Protoboarmia porcelaria* (Guenée) - 6598  
**Porcus sphinx** - *Xylophanes porcus* (Hübner) - 7888  
**Potato tuberworm** - *Phthorimaea operculella* (Zeller) - 2011  
**Promethea moth** - *Callosamia promethea* (Drury) - 7764  
**Prominent** - Notodontidae  
Oblique prominent - *Heterocampa obliqua* Packard - 7983  
Saddled prominent - *Heterocampa guttivitta* (Walker) - 7994  
**Proud sphinx** - *Proserpinus gaurae* (J. E. Smith) - 7874  
**Purple**  
Red-spotted purple - *Limenitis arthemis astyanax* (Fabricius) - 4522a  
**Purple opogona moth** - *Opogona purpuricella* Swezey - 433.1  
**Purplewing** - *Eunica* sp. (Nymphalidae)  
Dingy purplewing - *Eunica monima* (Stoll) - 4532  
Florida purplewing - *Eunica tatila tatilista* Kaye - 4533a  
**Puss caterpillar** - *Megalopyge opercularis* (J. E. Smith) - 4647  
**Pyramidal fruitworm** - *Amphipyra pyramidoides* Guenée - 9638  
**Queen** - *Danaus gilippus berenice* - 4615a  
Tropical queen - *Danaus eresimus tethys* Forbes - 4616a  
**Question mark** - *Polygonia interrogationis* (Fabricius) - 4420  
**Ragweed borer** - *Epiblema strenuana* (Walker) - 3172  
**Raisin moth** - *Cadra figulilella* (Gregson) - 6023  
**Raspberry crown borer** - *Pennisetia marginata* (Harris) - 2513  
**Raspberry leafroller** - *Olethreutes permundana* (Clemens) - 2817  
**Red admiral** - *Vanessa atalanta rubria* (Fruhstorfer) - 4437a  
**Red-banded hairstreak** - *Callophrys cecrops* (Fabricius) - 4299  
**Red-banded leafroller** - *Argyrotaenia velutinana* (Walker) - 3597  
**Red broken dash skipper** - *Wallengrenia otho* (J. E. Smith) - 4046  
**Redbud leaf-folder** - *Fascista cercerisella* (Chambers) - 2204  
**Red-humped caterpillar** - *Schizura concinna* (J. E. Smith) - 8010  
**Red-necked peanutworm** - *Stegasta bosqueella* (Chambers) - 2209  
**Red-spotted purple** - *Limenitis arthemis astyanax* (Fabricius) - 4522a  
**Reversed roadside skipper** - *Amblyscirtes reversa* Jones - 4101  
**Rice leafroller** - *Lerodea eufala* (W. H. Edwards) - 4111  
**Rice moth** - *Corcyra cephalonica* (Stainton) - 5634  
**Rice stalk borer** - *Chilo plejadellus* Zincken - 5470  
**Riley's clearwing moth** - *Synanthedon rileyana* (H. Edwards) - 2552  
**Roadside skipper**  
Bell's roadside skipper - *Amblyscirtes belli* H. A. Freeman - 4107  
Common roadside skipper - *Amblyscirtes vialis* (W. H. Edwards) - 4105  
Dusky roadside skipper - *Amblyscirtes alternata* (Grote & Robinson) - 4108  
Lace-winged roadside skipper - *Amblyscirtes aesculapius* (Fabricius) - 4099  
Reversed roadside skipper - *Amblyscirtes reversa* Jones - 4101  
**Rockland grass skipper** - *Hesperia meskei pinocayo* Gatrell & Minno - 4030b  
**Root borer**  
Lesser grape root borer - *Vitacea scepisiformis* (H. Edwards) - 2531  
**Rose hooktip** - *Oreta rosea* (Walker) - 6255  
**Royal poinciana caterpillar** - *Melipotis acontoides* (Guenée) - 8610  
**Royal walnut moth** - *Citheronia regalis* (Fabricius) - 7706

- Ruddy dagger moth** - *Acronicta rubricoma* Guenée - 9199  
**Ruddy dagger wing** - *Marpesia petreus* (Cramer) - 4550  
**Ruddy hairstreak** - *Electrostrymon sangala* (Hewitson) - 4351  
**Rustic sphinx** - *Manduca rustica* (Fabricius) - 7778  
**Rusty skipper** - *Epargyreus zestos* (Geyer) - 3869  
**Sachem skipper** - *Atalopedes campestris huron* (W. H. Edwards) - 4049a  
**Sad underwing** - *Catocala maestosa* Hulst - 8793  
**Saddleback caterpillar** - *Acharya stimulea* (Clemens) - 4700  
**Saddled prominent** - *Heterocampa guttivitta* (Walker) - 7994  
**Sagra sphinx** - *Eupyrrhoglossum sagra* (Poey) - 7846.1  
**St. Christopher's hairstreak** - *Chlorostyrymon simaethis* (Drury) - 4273  
**Salt-marsh skipper** - *Panoquina panoquin* (Scudder) - 4116  
**Saltmarsh caterpillar** - *Estigmene acrea* (Drury) - 8131  
**Sapodilla borer** - *Banisia myrsusalis* (Walsingham) - 6086  
**Sapodilla pod borer** - *Dichrorampha sapodilla* Heppner - 3414.1  
**Sappho underwing** - *Catocala sappho* Strecker - 8786  
**Satyr** - Satyrinae (Nymphalidae)  
 Carolina satyr - *Hermeuptychia sosybius* (Fabricius) - 4575  
 Gemmed satyr - *Cyllopsis gemma* (Hübner) - 4573  
 Georgia satyr - *Neonympha areolata* (J. E. Smith) - 4576  
**Sawgrass skipper** - *Euphyes pilatka* (W. H. Edwards) - 4071  
**Scale-feeding scavenger moth** - *Holcocera coccivorella* (Chambers) - 1158  
**Scale-feeding snout moth** - *Laetilia coccidivora* (J. H. Comstock) - 5949  
**Scalloped sooty-wing skipper** - *Staphylus hayhurstii* (W. H. Edwards) - 3932  
**Scallopwing**  
 Hayhurst's scallopwing - *Staphylus hayhurstii* (W. H. Edwards) - 3932  
**Scape moth**  
 Yellow-collared scape moth - *Cisseps fulvicollis* (Hübner) - 8267  
**Scarlet underwing** - *Catocala coccinata sinuosa* Grote - 8851a  
**Scarlet wasp moth** - *Cosmosoma myrodora* Dyar - 8280  
**Scavenger moth**  
 African scavenger moth - *Praeacedes atomosella* (Walker) - 423  
 Caribbean scavenger moth - *Erechthias minuscula* (Walsingham) - 304  
 Scale-feeding scavenger moth - *Holcocera coccivorella* (Chambers) - 1158  
**Schaus swallowtail** - *Papilio aristodemus ponceanus* Schaus - 4171a  
**Scrub-oak hairstreak** - *Satyrium edwardsii* (Grote & Robinson) - 4281  
**Seagrape borer** - *Hexeris enhydria* Grote - 6082  
**Seagrape leafminer** - *Enteucha gilvafascia* (Davis) - 118  
**Seagrape spanworm** - *Ametris nitocris* (Cramer) - 6259  
**Sedge skipper** - *Euphyes* sp. (Hesperiidae)  
 Brown sedge skipper - *Euphyes dukesi calhouni* Shuey - 4074a  
 Coastal sedge skipper - *Euphyes pilatka* (W. H. Edwards) - 4071  
 Dune sedge skipper - *Euphyes vestris metacomet* (Harris) - 4078a  
 Florida sedge skipper - *Euphyes berryi* (Bell) - 4076  
 Southeast sedge skipper [see Dion skipper] - 4072  
 Two-spot sedge skipper - *Euphyes bimacula* (Grote & Robinson) - 4077 (p. 62)  
**Seed moth** - *Metzneria* sp. (Gelechiidae)  
 Burdock seed moth - *Metzneria lappella* (Linnaeus) - 1685  
**Seedworm** - *Cydia* sp. (Tortricidae)  
 Eastern pine seedworm - *Cydia toreuta* (Grote) - 3486  
 Longleaf pine seedworm - *Cydia ingens* (Heinrich) - 3487  
 Slash pine seedworm - *Cydia anaranjada* (W. E. Miller) - 3488  
**Seminole crescent** - *Anthanassa texana seminole* (Skinner) - 4476a  
**Serpentine leafminer** - Phyllocnistinae (Gracillariidae)  
 [Stigmella is in Nepticulidae]  
 Avocado serpentine leafminer - *Phyllocnistis* n. sp. - 851.2  
 Magnolia serpentine leafminer - *Phyllocnistis magnoliella* Forbes - 851  
 Pecan serpentine leafminer - *Stigmella juglandifoliella* (Clemens) - 95  
**Shoot borer**  
 Elder shoot borer - *Achatodes zaeae* (Harris) - 9520  
 Mahogany shootborer - *Hypsipyla grandella* (Zeller) - 5705  
**Shoot moth**  
 Walnut shoot moth - *Acrobasis demotella* Grote - 5674  
**Shortleaf pine cone borer** - *Eucosma cocana* Kearfott - 3072  
**Shuckworm**  
 Hickory shuckworm - *Cydia caryana* (Fitch) - 3471  
**Shy yellow** - *Eurema messalina blakei* (Maynard) - 4239a  
**Signate geometer** - *Melanolophia signataria* (Walker) - 6621  
**Silk moth** - *Bombyx mori* (Linnaeus) - 7668 [exotic]  
 Carolina silk moth - *Callosamia securifera* (Maassen) - 7766  
 Tuliptree silk moth - *Callosamia angulifera* (Walker) - 7765  
**Silkworm** - *Bombyx mori* (Linnaeus) - 7668 [exotic]  
**Silkworm moth** - *Bombyx mori* (Linnaeus) - 7668 [exotic]  
**Silver-banded hairstreak** - *Chlorostyrymon simaethis* (Drury) - 4273  
**Silver-spotted skipper** - *Epargyreus clarus* (Cramer) - 3870  
**Silvery checkerspot** - *Chlosyne nycteis* (Doubleday) - 4490  
**Similar underwing** - *Catocala similis* W. H. Edwards - 8873  
**Skeletonizer**  
 Bean-leaf skeletonizer - *Autoplusia egea* (Guenée) - 8891  
 Caribbean palm leaf skeletonizer - *Homaledra* n. sp. - 1422.1  
 Grape leaf skeletonizer - *Harrisina americana* (Guérin-Méneville) - 4624  
 Palm leaf skeletonizer - *Homaledra sabalella* (Chambers) - 1422  
**Skiff moth** - *Prolimacodes badius* (Hübner) - 4671  
**Skipper** - Hesperiidae  
 Atlanta marsh skipper - *Poanes aaroni howardi* (Skinner) - 4062a  
 Arogos skipper - *Atrytone arogos* (Boisduval & Leconte) - 4050  
 Baracoa skipper - *Polites baracoa* (Lucas) - 4040  
 Bell's little skipper - *Amblyscirtes belli* H. A. Freeman - 4107  
 Bell's roadside skipper - *Amblyscirtes belli* H. A. Freeman - 4107  
 Beach skipper - *Panoquina panoquinoides* (Skinner) - 4117  
 Black little skipper - *Amblyscirtes vialis* (W. H. Edwards) - 4105  
 Black-vein skipper - *Anatrytone logan* (W. H. Edwards) - 4051  
 Blazing-star skipper - *Hesperia leonardus* Harris - 4023  
 Brazilian skipper - *Calpodus ethlius* (Stoll) - 4115  
 Broad marsh skipper - *Poanes viator zizaniae* Shapiro -

4064a

Brown broken dash skipper - *Wallengrenia egeremet* (Scudder) - 4047  
 Brown-rim skipper - *Atrytone arogos* (Boisduval & Leconte) - 4050  
 Brown sedge skipper - *Euphyes dukesi calhouni* Shuey - 4074a  
 Brown-tailed skipper - *Urbanus dorantes* (Stoll) - 3889  
 Byssus skipper - *Problema byssus* (W. H. Edwards) - 4052  
 Coastal sedge skipper - *Euphyes pilatka* (W. H. Edwards) - 4071  
 Cobweb little skipper - *Amblyscirtes aesculapius* (Fabricius) - 4099  
 Canna skipper - *Calpodus ethlius* (Stoll) - 4115  
 Checkered skipper - *Pyrgus communis* (Grote) - 3966  
 Clouded skipper - *Lerema accius* (J. E. Smith) - 3998  
 Cloudy-wing skipper - *Thorybes pylades* (Scudder) - 3910  
 Cobweb skipper - *Hesperia metea* Scudder - 4027  
 Cofaqui giant skipper - *Megathymus cofaqui* (Strecker) - 4147  
 Common checkered skipper - *Pyrgus communis* (Grote) - 3966  
 Common roadside skipper - *Amblyscirtes vialis* (W. H. Edwards) - 4105  
 Common sooty wing [skipper] - *Pholisora catullus* (Fabricius) - 3977  
 Cross-line skipper - *Polites origenes* (Fabricius) - 4042  
 Dark cloudy-wing skipper - *Thorybes confusus* Bell - 3913  
 Delaware skipper - *Anatrytone logan* (W. H. Edwards) - 4051  
 Dingy dotted skipper - *Cymaenes tripunctus* (Herrich-Schäffer) - 3996  
 Dion skipper - *Euphyes dion* (W. H. Edwards) - 4072  
 Dorantes skipper - *Urbanus dorantes* (Stoll) - 3889  
 Dotted skipper - *Hesperia attalus* (W. H. Edwards) - 4029  
 Dune sedge skipper - *Euphyes vestris metacommet* (Harris) - 4078a  
 Dusky little skipper - *Amblyscirtes alternata* (Grote & Robinson) - 4108  
 Dusky roadside skipper - *Amblyscirtes alternata* (Grote & Robinson) - 4108  
 Dusted skipper - *Atrytonopsis hianna* (Scudder) - 4084  
 Eastern cloudy-wing skipper - *Thorybes bathyllus* (J. E. Smith) - 3909  
 Eufala skipper - *Lerodea eufala* (W. H. Edwards) - 4111  
 Field skipper - *Atalopedes campestris huron* (W. H. Edwards) - 4049a  
 Fiery skipper - *Hylephila phyleus* (Drury) - 4013  
 Florida sedge skipper - *Euphyes berryi* (Bell) - 4076  
 Golden skipper - *Problema byssus* (W. H. Edwards) - 4052  
 Golden-banded skipper - *Autochton cellus* (Boisduval & Leconte) - 3902  
 Golden marsh skipper - *Problema bulenta* (Boisduval & Leconte) - 4053  
 Gray skipper - *Lerodea eufala* (W. H. Edwards) - 4111  
 Greenish little skipper - *Amblyscirtes hegona* (Scudder) - 4096  
 Gulf Coast skipper - *Hesperia meskei straton* (W. H. Edwards) - 4030a  
 Hacebolus skipper - *Panoquina hacebolus* (Scudder) - 4120 (p. 62)  
 Haitian skipper - *Choranthus haitensis* (Skinner) - 4067  
 Hammock skipper - *Polygonus leo savigny* (Latreille) - 3872a  
 Harris' yucca skipper [see Southern yucca skipper] - 4147  
 Hoary-edge skipper - *Achalarus lyciades* (Geyer) - 3904  
 Keys sawgrass skipper - *Euphyes pilatka klotsi* L. Miller,

Harvey & J. Miller - 4071b  
 Lace-winged roadside skipper - *Amblyscirtes aesculapius* (Fabricius) - 4099  
 Least skipper - *Ancyloxypha numitor* (Fabricius) - 4004  
 Little grassy-wing skipper - *Pompeius verna* (W. H. Edwards) - 4048  
 Little tawny edge skipper - *Polites baracoa* (Lucas) - 4040  
 Long-tailed skipper - *Urbanus proteus* (Linnaeus) - 3886  
 Long-winged skipper - *Panoquina ocola* (W. H. Edwards) - 4119  
 Macareus variegated skipper - *Thespieus macareus* (Herrich-Schäffer) - 4124 (p. 62)  
 Manuel's skipper - *Polygonus manueli* Bell & W. P. Comstock - 3873 (p. 62)  
 Mercurial skipper - *Proteides mercurius sanantonio* (Lucas) - 3868a  
 Mangrove skipper - *Phocides pibmalion okeechobee* (Worthington) - 3865a  
 Monk skipper - *Asbolis capucinus* (Lucas) - 4079  
 Neamathla skipper - *Nastra neamathla* (Skinner & R. C. Williams) - 3995  
 Nyctelius skipper - *Nyctelius nyctelius* (Latreille) - 4123  
 Obscure skipper - *Panoquina panoquinoides* (Skinner) - 4117  
 Ocola skipper - *Panoquina ocola* (W. H. Edwards) - 4119  
 Palatka skipper - *Euphyes pilatka* (W. H. Edwards) - 4071  
 Palmetto skipper - *Euphyes arpa* (Boisduval & Leconte) - 4070  
 Pepper and salt skipper - *Amblyscirtes hegona* (Scudder) - 4096  
 Red broken dash skipper - *Wallengrenia otho* (J. E. Smith) - 4046  
 Reversed roadside skipper - *Amblyscirtes reversa* Jones - 4101  
 Rockland grass skipper - *Hesperia meskei pinocayo* Gatrell & Minno - 4030b  
 Rusty skipper - *Epargyreus zestos* (Geyer) - 3869  
 Sachem skipper - *Atalopedes campestris huron* (W. H. Edwards) - 4049a  
 Salt-marsh skipper - *Panoquina panoquin* (Scudder) - 4116  
 Sawgrass skipper - *Euphyes pilatka* (W. H. Edwards) - 4071  
 Scalloped sooty-wing skipper - *Staphylus hayhurstii* (W. H. Edwards) - 3932  
 Silver-spotted skipper - *Epargyreus clarus* (Cramer) - 3870  
 Slosson's dotted skipper - *Hesperia attalus slossonae* (Skinner) - 4029a  
 Southeast sedge skipper [see Dion skipper] - 4072  
 Southern dimorphic skipper - *Poanes zabulon* (Boisduval & Leconte) - 4060  
 Southern dusted skipper - *Atrytonopsis hianna loammi* (Whitney) - 4084b  
 Southern swamp skipper - *Poanes yehl* (Skinner) - 4063  
 Southern swarthy skipper - *Nastra neamathla* (Skinner & R. C. Williams) - 3995  
 Southern yucca skipper - *Megathymus cofaqui* (Strecker) - 4147  
 Swarthy skipper - *Nastra lherminier* (Latreille) - 3993  
 Tawny-edged skipper - *Polites themistocles* (Latreille) - 4041  
 Three-spotted skipper - *Cymaenes tripunctus* (Herrich-Schäffer) - 3996  
 Tidal skipper - *Polygonus manueli* Bell & W. P. Comstock - 3873 (p. 62)  
 Tiny skipper - *Copaeodes minima* (W. H. Edwards) - 4010  
 Twin spot skipper - *Oligoria maculata* (W. H. Edwards) - 4114

- Two-spot sedge skipper - *Euphyes bimacula* (Grote & Robinson) - 4077 (p. 62)
- Variegated skipper - *Gorgythion begga pyralina* (Möschler) - 3933a
- Violet skipper - *Polygonus leo savigny* (Latreille) - 3872a
- Violet-banded skipper - *Nyctelius nyctelius* (Latreille) - 4123
- Whirlabout skipper - *Polites vibex* (Geyer) - 4045
- White checkered skipper - *Pyrgus albescens* Plötz - 3967
- Yehl skipper - *Poanes yehl* (Skinner) - 4063
- Yellow-patch skipper - *Polites peckius* (Kirby) - 4036 (p. 62)
- Yucca skipper - *Megathymus yuccae buchholzi* H. A. Freeman - 4145a
- Yucca giant skipper - *Megathymus yuccae buchholzi* H. A. Freeman - 4145a
- Zabulon skipper - *Poanes zabulon* (Boisduval & Leconte) - 4060
- Zestos skipper - *Epargyreus zestos* (Geyer) - 3869
- Skipperling**
- Least skipperling - *Ancyloxypha numitor* (Fabricius) - 4004
- Southern skipperling - *Copaeodes minima* (W. H. Edwards) - 4010
- Slash pine seedworm** - *Cydia anaranjada* (W. E. Miller) - 3488
- Sleepy dusky wing** - *Erynnis brizo* (Boisduval & Leconte) - 3946
- Sleepy orange** - *Eurema nicippe* (Cramer) - 4242
- Slender bee sphinx** - *Hemaris gracilis* (Grote & Robinson) - 7854
- Slosson's dotted skipper** - *Hesperia attalus slossonae* (Skinner) - 4029a
- Slosson's metalmark moth** - *Tortyra slossonia* (Fernald) - 2653
- Slug moth** - Limacodidae
- Nason's slug moth - *Natada nasoni* (Grote) - 4679
- Spiny oak-slug moth - *Euclea delphinii* (Boisduval) - 4697
- Small copper** - *Lycaena phlaeas americana* Harris - 4251a (p. 62)
- Small engrailed geometer** - *Ectropis crepuscularia* (Denis & Schiffmüller) - 6597
- Small-eyed sphinx** - *Paonias myops* (J. E. Smith) - 7825
- Small oak looper** - *Phigalia strigataria* (Minot) - 6660
- Smartweed borer** - *Ostrinia obumbratalis* (Lederer) - 4947
- Smearred dagger moth** - *Acronicta oblinita* (J. E. Smith) - 9272
- Smoky buckeye** - *Junonia evarete* (Cramer) - 4442
- Snout** - Libytheidae
- American snout - *Libytheana carinenta bachmanii* (Kirtland) - 4410
- Snout butterfly** - Libytheidae
- Eastern snout butterfly - *Libytheana carinenta bachmanii* (Kirtland) - 4410
- Snout moth**
- Scale-feeding snout moth - *Laetilia coccidivora* (J. H. Comstock) - 5949
- Snowbush spanworm** - *Melanchroia chephise* (Cramer) - 6616
- Sod webworm** - *Pediasia trisecta* (Walker) - 5413
- Soldier** - *Danaus eresimus tethys* Forbes - 4616a
- Solitary oak leafminer** - *Cameraria hamadryadella* (Chambers) - 823
- Sooty wing**
- Common sooty wing - *Pholisora catullus* (Fabricius) - 3977
- Scalloped sooty-wing skipper - *Staphylus hayhurstii* (W. H. Edwards) - 3932
- Sordid underwing** - *Catocala sordida* Grote - 8846
- Sorghum webworm** - *Nola cereella* (Bosc) - 8991
- South coastal coneworm** - *Dioryctria ebeli* Mutuura & Munroe - 5841.1
- Southeast sedge skipper* [see Dion skipper] - 4072
- Southern armyworm** - *Spodoptera eridania* (Cramer) - 9672
- Southern beet webworm** - *Herpetogramma bipunctalis* (Fabricius) - 5272
- Southern blue** - *Hemiargus ceraunus antibubastus* Hübner - 4359a
- Southern broken-dash** - *Wallengrenia otho* (J. E. Smith) - 4046
- Southern cabbageworm** - *Pontia protodice* Boisduval & Leconte - 4193
- Southern cloudywing** - *Thorybes bathyllus* (J. E. Smith) - 3909
- Southern cornstalk borer** - *Diatraea crambidoides* (Grote) - 5476
- Southern darling underwing** - *Catocala carissima* Hulst - 8832.1
- Southern dimorphic skipper** - *Poanes zabulon* (Boisduval & Leconte) - 4060
- Southern dogface** - *Zerene cesonia* (Stoll) - 4224
- Southern dusted skipper** - *Atrytonopsis hianna loammi* (Whitney) - 4084b
- Southern flannel moth** - *Megalopyge opercularis* (J. E. Smith) - 4647
- Southern hairstreak** - *Fixsenia favonius* (J. E. Smith) - 4331
- Southern hayworm** - *Ocrasa nostralis* (Guenée) - 5531
- Southern lappet moth** - *Phyllodesma occidentis* (Walker) - 7686
- Southern longhorn moth** - *Adela caeruleella* Walker - 227
- Southern oak hairstreak** - *Fixsenia favonius* (J. E. Smith) - 4331
- Southern oak looper** - *Lambdina pultaria* (Guenée) - 6889
- Southern oakworm** - *Anisota consularis* Dyar - 7718
- Southern pearly eye** - *Enodia portlandia floralae* (J. R. Heitzman & dos Passos) - 4568a
- Southern pine catkinworm** - *Satronia tantilla* Heinrich - 3415
- Southern pine coneworm** - *Dioryctria amatella* (Hulst) - 5853
- Southern pine looper** - *Caripeta aretaria* (Walker) - 6869
- Southern pitch-blister moth** - *Retinia taedana* (W. E. Miller) - 2890
- Southern skipperling** - *Copaeodes minima* (W. H. Edwards) - 4010
- Southern swamp skipper** - *Poanes yehl* (Skinner) - 4063
- Southern swarthy skipper** - *Nastra neamathla* (Skinner & R. C. Williams) - 3995
- Southern uglynest caterpillar** - *Archips rileyana* (Grote) - 3662
- Southern white** - *Ascia monuste phileta* (Fabricius) - 4198a
- Southern yucca skipper** - *Megathymus cofaqui* (Strecker) - 4147
- Soybean looper** - *Pseudoplusia includens* (Walker) - 8890
- Lesser soybean looper - *Rachiplusia ou* (Guenée) - 8895
- Soybean webworm** - *Brachyacma palpigera* (Walsingham) - 2272
- Spanish moth** - *Xanthopastis timais* (Cramer) - 10640
- Spanworm** - Geometridae
- Avocado spanworm - *Epimecis detexta* (Walker) - 6604
- Cuban spanworm - *Oxydia cubana* (Warren) - 6968
- Elm spanworm - *Ennomis subsignaria* (Hübner) - 6798



- Horned spanworm - *Nematocampa resistaria* (Herrich-Schäffer) - 7009
- Large maple spanworm - *Prochoerodes transversata incurvata* (Guenée) - 6982a
- Lesser maple spanworm - *Itame pustularia* (Guenée) - 6273
- Maple spanworm - *Ennomos magnaria* Guenée - 6797
- Seagrape spanworm - *Ametris nitocris* (Cramer) - 6259
- Snowbush spanworm - *Melanchroia chephise* (Cramer) - 6616
- Spurge spanworm - *Oxydia vesulia* (Cramer) - 6967
- Speared dagger moth** - *Acronicta hasta* Guenée - 9229
- Speckled green fruitworm** - *Orthosia hibisci* (Guenée) - 10495
- Sphinx moth** - Sphingidae
- Abbot's sphinx - *Sphecodina abbottii* (Swainson) - 7870
- Achemon sphinx - *Eumorpha achemon* (Drury) - 7861
- Alope sphinx - *Erinnyis alope* (Drury) - 7832
- Apple sphinx - *Sphinx gordius* Cramer - 7810
- Ash sphinx - *Manduca jasminearum* (Guérin-Ménéville) - 7783
- Azalea sphinx - *Darapsa pholus* (Cramer) - 7886
- Banded sphinx - *Eumorpha fasciata* (Sulzer) - 7865
- Big poplar sphinx - *Pachysphinx modesta* (Harris) - 7828
- Blind-eyed sphinx - *Paonias excaecatus* (J. E. Smith) - 7824
- Bumble bee sphinx - *Hemaris diffinis* (Boisduval) - 7855
- Carter's sphinx - *Protambulyx carteri* Rothschild & Jordan - 7819
- Catalpa sphinx - *Ceratomia catalpae* (Boisduval) - 7789
- Coffee sphinx - *Perigonia lusca* (Fabricius) - 7846
- Cramer's sphinx - *Erinnyis crameri* (Schaus) - 7836
- Cypress sphinx - *Isoparce cupressus* (Boisduval) - 7791
- Dominican sphinx - *Erinnyis domingonis* (Butler) - 7838
- Duponchel's sphinx - *Cocytius duponchel* (Poey) - 7773
- Ello sphinx - *Erinnyis ello* (Linnaeus) - 7834
- Elm sphinx - *Ceratomia amyntor* (Geyer) - 7786
- Fadus sphinx - *Aelopus fadus* (Cramer) - 7850
- False windowed sphinx - *Madoryx pseudothyreus* (Grote) - 7843
- Fig sphinx - *Pachylia ficus* (Linnaeus) - 7841
- Florida sphinx - *Amphion floridensis* B. P. Clark - 7873
- Four-horned sphinx - *Ceratomia amyntor* (Geyer) - 7786
- Franck's sphinx - *Sphinx franckii* Neumögen - 7808
- Gaudy sphinx - *Eumorpha labruscae* (Linnaeus) - 7866
- Giant sphinx - *Cocytius antaeus* (Drury) - 7772
- Giant gray sphinx - *Pseudosphinx tetrio* (Linnaeus) - 7830
- Great ash sphinx - *Sphinx chersis* (Hübner) - 7802
- Grote's sphinx - *Cautethia grotei* H. Edwards - 7867
- Huckleberry sphinx - *Paonias astylus* (Drury) - 7826
- Hummingbird sphinx - *Hemaris thysbe* (Fabricius) - 7853
- Hydrangea sphinx - *Darapsa versicolor* (Harris) - 7884
- Intermediate sphinx - *Eumorpha intermedia* (B. P. Clark) - 7859.1
- Lassaux's sphinx - *Erinnyis lassauxii* (Boisduval) - 7833
- Laurel sphinx - *Sphinx kalmiae* J. E. Smith - 7809
- Lettered sphinx - *Deidamia inscripta* (Harris) - 7871
- Mournful sphinx - *Enyo lugubris* (Linnaeus) - 7851
- Obscure sphinx - *Erinnyis obscura* (Fabricius) - 7837
- Oleander sphinx - *Erinnyis oenotrus* (Cramer) - 7835
- Pandora sphinx - *Eumorpha pandora* (Hübner) - 7859
- Pawpaw sphinx - *Dolba hyloeus* (Drury) - 7784
- Phryxus sphinx - *Phryxus caicus* (Cramer) - 7840
- Pine sphinx - *Lapara coniferarum* (J. E. Smith) - 7816
- Plebeian sphinx - *Paratreia plebeja* (Fabricius) - 7793
- Pluto sphinx - *Xylophanes pluto* (Fabricius) - 7887
- Porcus sphinx - *Xylophanes porcus* (Hübner) - 7888
- Proud sphinx - *Proserpinus gaurae* (J. E. Smith) - 7874
- Rustic sphinx - *Manduca rustica* (Fabricius) - 7778
- Sagra sphinx - *Eupyrhoglossum sagra* (Poey) - 7846.1
- Slender bee sphinx - *Hemaris gracilis* (Grote & Robinson) - 7854
- Small-eyed sphinx - *Paonias myops* (J. E. Smith) - 7825
- Streaked sphinx - *Protambulyx strigilis* (Linnaeus) - 7818
- Tantalus sphinx - *Aelopus tantalus* (Linnaeus) - 7847
- Tersa sphinx - *Xylophanes tersa* (Linnaeus) - 7890
- Titan sphinx - *Aelopus titan* (Cramer) - 7849
- Twin-spotted sphinx - *Smerinthus jamaicensis* (Drury) - 7821
- Vine sphinx - *Eumorpha vitis* (Linnaeus) - 7864
- Virginia-creeper sphinx - *Darapsa myron* (Cramer) - 7885
- Walnut sphinx - *Laothoe juglandis* (J. E. Smith) - 7827
- Waved sphinx - *Ceratonja undulosa* (Walker) - 7787
- White-lined sphinx - *Hyles lineata* (Fabricius) - 7894
- Spicebush swallowtail** - *Papilio troilus* Linnaeus - 4181
- Florida spicebush swallowtail - *Papilio troilus* (f. *ilioneus* J. E. Smith) - 4181
- Spiny oak-slug moth** - *Euclea delphinii* (Boisduval) - 4697
- Spiny oakworm** - *Anisota stigma* (Fabricius) - 7716
- Spotted beet webworm** - *Hymenia perspectalis* (Hübner) - 5169
- Spotted cutworm** - *Xestia dolosa* Franclemont - 10942.1
- Spotted oleander caterpillar** - *Empyreuma affinis* Rothschild - 8272
- Spring azure blue** - *Celastrina ladon* (Cramer) - 4363
- Spring moth** - *Lomographa* sp. (Geometridae)
- Gray spring moth - *Lomographa glomeraria* (Grote) - 6668
- White spring moth - *Lomographa vestaliata* (Guenée) - 6667
- Spruce budworm** - *Choristoneura fumiferana* (Clemens) - 3638
- Spurge spanworm** - *Oxydia vesulia* (Cramer) - 6967
- Squash vine borer** - *Melittia cucurbitae* (Harris) - 2536
- St. Christopher's hairstreak** - *Chlorostymon simaethis* (Drury) - 4273
- Stalk borer**
- Lined stalk borer - *Oligia fractilinea* (Grote) - 9406
- Rice stalk borer - *Chilo plejadellus* Zincken - 5470
- Stem borer**
- Alligatorweed stem borer - *Arcola malloi* (Pastrana) - 5908.1
- Stinging rose caterpillar** - *Parasa indetermina* (Boisduval) - 4699
- Stinky leaf wing** - *Historis odius* (Fabricius) - 4545
- Stored grain moth** - *Aglossa caprealis* (Hübner) - 5517
- Stowaway**
- Goldenrod stowaway - *Cirrhophanus triangulifer* Grote - 9766
- Strawberry leafroller** - *Ancyliis comptana* (Frölich) - 3374
- Streaked dagger moth** - *Acronicta lithospila* Grote - 9266
- Streaked sphinx** - *Protambulyx strigilis* (Linnaeus) - 7818
- Streamlined dusky wing** - *Erynnis zarucco* (Lucas) - 3956
- Striped cutworm** - *Euxoa tessellata* (Harris) - 10805
- Striped garden caterpillar** - *Trichordestra legitima* (Grote) - 10304
- Striped grass looper** - *Mocis latipes* (Guenée) - 8743
- Striped hairstreak** - *Satyrion liparops* (Leconte) - 4285
- Subflexa budworm** - *Heliothis subflexa* (Guenée) - 11070
- Subgothic cutworm** - *Agrotis subgothica* (Haworth) - 10674
- Subtropical pine tip moth** - *Rhyacionia subtropica* W. E. Miller - 2869

**Sugar-apple fruit-piercer** - *Gonodonta nutrix* (Cramer) - 8540  
**Sugarbeet crown borer** - *Hulstia undulatella* (Clemens) - 5918  
**Sugarcane borer** - *Diatraea saccharalis* (Fabricius) - 5475  
**Sugarcane budworm** - *Leucania humidicola* Guenée - 10458  
**Sugarcane leafminer** - *Dicranoctetes saccharella* (Busck) - 1132.1  
**Sulphur** - Coliadinae (Pieridae)  
 Barred sulphur - *Eurema daira* (Godart) - 4243  
 Blacktip sulphur - *Eurema nise* (Cramer) - 4238  
 Boisduval's sulphur - *Eurema boisduvaliana* (C. Felder & R. Felder) - 4245  
 Bush sulphur - *Eurema dina helios* M. Bates - 4240a  
 Chamberlain's sulphur - *Eurema chamberlaini* Butler - 4241 (p. 62)  
 Clouded sulphur - *Colias philodice* Godart - 4209  
 Cloudless sulphur - *Phoebis sennae eubule* (Linnaeus) - 4228a  
 Common sulphur - *Colias philodice* Godart - 4209  
 Dainty sulphur - *Nathalis iole* Boisduval - 4248  
 Florida statira sulphur - *Aphrissa statira floridensis* (Neumoegen) - 4233a  
 Guayacan sulphur - *Kricogonia lyside* (Godart) - 4235  
 Jamaican sulphur - *Eurema nise* (Cramer) - 4238  
 Large orange sulphur - *Phoebis agarithe maxima* (Neumoegen) - 4231a  
 Little sulphur - *Eurema lisa* (Boisduval & Leconte) - 4237  
 Lyside sulphur - *Kricogonia lyside* (Godart) - 4235  
 Messalina Sulphur - *Eurema messalina blakei* (Maynard) - 4239a  
 Migrant sulphur - *Aphrissa statira floridensis* (Neumoegen) - 4233a  
 Nicippe sulphur - *Eurema nicippe* (Cramer) - 4242  
 Orange sulphur - *Colias eurytheme* Boisduval - 4210  
 Orange-barred sulphur - *Phoebis philea* (Johansson) - 4229  
 Orbed sulphur - *Aphrissa orbis* (Poey) - 4234  
 Yellow-angled sulphur - *Anteos maerula lacordairei* (Boisduval) - 4227a  
**Sumac leaftier** - *Episimus argutatus* (Clemens) - 2701  
**Sumac webworm** - *Nephoterix subfuscella* (Ragonot) - 5789  
**Summer azure blue** - *Celastrina neglecta* (W. H. Edwards) - 4363.1  
**Sunflower bud moth** - *Suleima helianthana* (Riley) - 3212  
**Sunflower moth** - *Homoeosoma electellum* (Hulst) - 5935  
**Swallowtail** - Papilionidae  
 Androgeus swallowtail - *Papilio androgeus epidaureus* Godman & Salvin - 4175a  
 Bahamas swallowtail - *Papilio andraemon bonhotei* E. M. Sharpe - 4172a  
 Bahamian swallowtail - *Papilio andraemon bonhotei* E. M. Sharpe - 4172a  
 Black swallowtail - *Papilio polyxenes asterius* Stoll - 4159a  
 Cuban kite swallowtail - *Eurytides celadon* Lucas - 4184.1 (p. 62)  
 Eastern tiger swallowtail - *Papilio glaucus* Linnaeus - 4176  
 Florida spicebush swallowtail - *Papilio troilus ilioneus* J. E. Smith - 4181a  
 Giant swallowtail - *Papilio cresphontes* Cramer - 4170  
 Gold rim swallowtail - *Battus polydamas lucayus* (Rothschild & Jordan) - 4158a  
 Laurel swallowtail - *Papilio palamedes* Drury - 4182  
 Palamedes swallowtail - *Papilio palamedes* Drury - 4182  
 Pipevine swallowtail - *Battus philenor* (Linnaeus) - 4157

Polydamas swallowtail - *Battus polydamas lucayus* (Rothschild & Jordan) - 4158a  
 Schaus swallowtail - *Papilio aristodemus ponceanus* Schaus - 4171a  
 Spicebush swallowtail - *Papilio troilus* Linnaeus - 4181  
 Tiger swallowtail - *Papilio glaucus* Linnaeus - 4176  
 Woodlands swallowtail - *Papilio palamedes* Drury - 4182  
 Zebra swallowtail - *Eurytides marcellus* (Cramer) - 4184  
**Swamp skipper**  
 Southern swamp skipper - *Poanes yehl* (Skinner) - 4063  
**Swarthy skipper** - *Nastra lherminier* (Latreille) - 3993  
 Southern swarthy skipper - *Nastra neamatla* (Skinner & R. C. Williams) - 3995  
**Sweadner's juniper hairstreak** - *Callophrys gryneus sweadneri* (R. Chermock) - 4318b  
**Sweetclover root borer** - *Walshia miscelorella* (Chambers) - 1615  
**Sweetheart underwing** - *Catocala amatrix* (Hübner) - 8834  
**Sweetpotato armyworm** - *Spodoptera dolichos* (Fabricius) - 9671  
**Sweetpotato hornworm** - *Agrius cingulatus* (Fabricius) - 7771  
**Sweetpotato leafroller** - *Lygropia tripunctata* (Fabricius) - 5248  
**Sweetpotato webworm** - *Helcystogramma convolvuli* (Walsingham) - 2265.1  
 Greater sweetpotato webworm - *Herpetogramma fluctuosalis* (Lederer) - 5273  
**Sycamore tussock moth** - *Halysidota harrisii* Walsh - 8204  
**Tailed blue** - *Everes* sp. (Lycaenidae)  
 Eastern tailed blue - *Everes comyntas* (Godart) - 4361  
**Tailed skipper** - Hesperidae  
 Brown-tailed skipper - *Urbanus dorantes* (Stoll) - 3889  
 Long-tailed skipper - *Urbanus proteus* (Linnaeus) - 3886  
**Tantulus sphinx** - *Aellopos tantalus* (Linnaeus) - 7847  
**Tawny emperor** - *Asterocampa clyton* (Boisduval & Leconte) - 4562.1  
**Tawny-edged skipper** - *Polites themistocles* (Latreille) - 4041  
**Teak moth** - *Hyblaea puera* (Cramer) - 6088  
**Tearful underwing** - *Catocala lacrymosa* Guenée - 8794  
**Tent caterpillar** - *Malacosoma* sp. (Lasiocampidae)  
 Eastern tent caterpillar - *Malacosoma americanum* (Fabricius) - 7701  
 Forest tent caterpillar - *Malacosoma disstria* Hübner - 7698  
**Tentmaker**  
 Poplar tentmaker - *Clostera inclusa jocosa* (H. Edwards) - 7896a  
**Tersa sphinx** - *Xylophanes tersa* (Linnaeus) - 7890  
**Texan crescent** - *Anthanassa texana seminole* (Skinner) - 4476a  
**Texarkana underwing** - *Catocala texarkana* Brower - 8859  
**Texas crescent** - *Anthanassa texana seminole* (Skinner) - 4476a  
**Texas grass tubeworm** - *Acrolophus texanella* (Chambers) - 383  
**Texas gray** - *Glenoides texanaria* (Hulst) - 6443  
**Three-lined leafroller** - *Pandemis limitata* (Robinson) - 3594  
**Three-spot**  
 Harris' three-spot - *Harrisimena trisignata* (Walker) - 9286  
**Three-spotted skipper** - *Cymaenes tripunctus* (Herrich-Schäffer) - 3996  
**Three-staff underwing** - *Catocala amestris* Strecker - 8844  
**Tidal skipper** - *Polygonus manueli* Bell & W. P. Comstock - 3873 (p. 62)

**Tiger swallowtail** - *Papilio glaucus* Linnaeus - 4176

**Tiny skipper** - *Copaeodes minima* (W. H. Edwards) - 4010

**Tip moth**

Grant's pine tip moth - *Rhyacionia granti* W. E. Miller - 2879.1

Juniper tip moth - *Glyphidocera juniperella* Adamski - 1136.1

Nantucket pine tip moth - *Rhyacionia frustrana* (Comstock) - 2882

Pitch pine tip moth - *Rhyacionia rigidana* (Fernald) - 2868

Subtropical pine tip moth - *Rhyacionia subtropica* W. E. Miller - 2869

**Titan sphinx** - *Aellopos titan* (Cramer) - 7849

**Tobacco budworm** - *Heliothis virescens* (Fabricius) - 11071

**Tobacco hornworm** - *Manduca sexta* (Linnaeus) - 7775

**Tobacco leafminer** - *Phthorimaea operculella* (Zeller) - 2011

**Tobacco moth** - *Ephesia elutella* (Hübner) - 6021

Tropical tobacco moth - *Setomorpha rutella* Zeller - 428

**Tomato hornworm** - *Manduca quinquemaculata* (Haworth) - 7776

**Tomato pinworm** - *Keiferia lycopersicella* (Walsingham) - 2047

**Tortrix** - Tortricidae

Garden tortrix - *Ptycholoma peritana* (Clemens) - 3688

Large aspen tortrix - *Choristoneura conflictana* (Walker) - 3637

**Triton dagger moth** - *Acronicta tritona* (Hübner) - 9211

**Tropical buckeye** - *Junonia genoveva* (Stoll) - 4442.1

**Tropical cactus borer** - *Cactoblastis cactorum* (Berg) - 5976.1

**Tropical checkered skipper** - *Pyrgus oileus* (Linnaeus) - 3968

**Tropical meal moth** - *Pyrallis manihotalis* Guenée - 5515

**Tropical queen** - *Danaus eresimus tethys* Forbes - 4616a

**Tropical sod webworm** - *Herpetogramma phaeopteralis* (Guenée) - 5274

**Tropical striped blue** - *Leptotes cassius theonus* (Lucas) - 4356

**Tropical tobacco moth** - *Setomorpha rutella* Zeller - 428

**Tropical white** - *Appias drusilla neumogenii* (Skinner) - 4190a

**Tucker's zebra** - *Heliconius charithonia tuckerorum* W. P. Comstock & F. M. Brown - 4418a

**Tube moth**

Pine tube moth - *Argyrotaenia pinatubana* (Kearfott) - 3602

**Tuberworm**

Potato tuberworm - *Phthorimaea operculella* (Zeller) - 2011

**Tubeworm** - *Acrolophus* sp. (Acrolophidae)

Clemens' grass tubeworm - *Acrolophus popeanella* (Clemens) - 373

Eastern grass tubeworm - *Acrolophus plumifrontella* (Clemens) - 372

Grass tubeworm - *Acrolophus arcanella* (Clemens) - 340

Texas grass tubeworm - *Acrolophus texanella* (Chambers) - 383

Walsingham's grass tubeworm - *Acrolophus propinquus* (Walsingham) - 374

**Tufted apple budmoth** - *Platynota idaeusalis* (Walker) - 3740

**Tuliptree borer** - *Euzophera ostricorella* Hulst - 5997

**Tuliptree silk moth** - *Callosamia angulifera* (Walker) - 7765

**Tupelo leafminer** - *Antispila nysaefoliella* Clemens - 234

**Tussock moth**

Banded tussock moth - *Halysidota tessellaris* (J. E. Smith) - 8203

Florida tussock moth - *Halysidota cinctipes* Grote - 8202

Milkweed tussock moth - *Euchaetes egle* (Drury) - 8238

Sycamore tussock moth - *Halysidota harrisii* Walsh - 8204

White-marked tussock moth - *Orgyia leucostigma* (J. E. Smith) - 8316

**Twig borer**

Cottonwood twig borer - *Gypsonoma haimbachiana* (Kearfott) - 3226

Locust twig borer - *Cydia insiticiaria* Zeller - 3497

Peach twig borer - *Anarsia lineatella* Zeller - 2257

**Twin spot skipper** - *Oligoria maculata* (W. H. Edwards) - 4114

**Twin-spotted sphinx** - *Smerinthus jamaicensis* (Drury) - 7821

**Two-spot sedge skipper** - *Euphyes bimacula* (Grote & Robinson) - 4077 (p. 62)

**Uglenest caterpillar**

Southern uglynest caterpillar - *Archips rileyana* (Grote) - 3662

**Ulalume underwing** - *Catocala ulalume* Strecker - 8789

**Ultronia underwing** - *Catocala ultronia* (Hübner) - 8857

**Umbler moth** - *Hypomecis umbrosaria* (Hübner) - 6439

**Umbler underwing** - *Catocala umbrosa* Brou - 8801.1

**Underwing** - *Catocala* sp. (Noctuidae)

Abbreviated underwing - *Catocala abbreviatella* Grote - 8841

Agrippa's underwing - *Catocala agrippina* Strecker - 8787

Alabama underwing - *Catocala alabamiae* Grote - 8869

Andromeda underwing - *Catocala andromedae* Guenée - 8849

Barrens underwing - *Catocala praeclara* Grote & Robinson - 8865

Betrothed underwing - *Catocala innubens* Guenée - 8770

Bride underwing - *Catocala neogama* (J. E. Smith) - 8798

Brou's underwing - *Catocala atocala* Brou - 8787.1

Charlotte's underwing - *Catocala charlottae* Brou - 8869.1

Clinton's underwing - *Catocala clintoni* Grote - 8872

Clouded underwing - *Catocala nebulosa* W. H. Edwards - 8796

Connubial underwing - *Catocala connubialis* Guenée - 8877

Consort underwing - *Catocala consors* (J. E. Smith) - 8772

Copper underwing - *Amphipyra pyramidoides* Guenée - 9638

Dejected underwing - *Catocala dejecta* Strecker - 8790

Delilah underwing - *Catocala delilah* Strecker - 8835

Epione underwing - *Catocala epione* (Drury) - 8773

Friendly underwing - *Catocala amica lineella* Grote - 8878a

Graceful underwing - *Catocala gracilis* W. H. Edwards - 8847

Grizzled underwing - *Catocala grisatra* Brower - 8875

Hawthorn underwing - *Catocala crataegi* Saunders - 8858

Ilia underwing - *Catocala ilia* (Cramer) - 8801

Inconsolable underwing - *Catocala insolabilis* Guenée - 8791

Jair underwing - *Catocala jair* Strecker - 8879

Lincoln underwing - *Catocala lincolnana* Brower - 8860

Lined underwing - *Catocala lineella* Grote - 8878.1

Little underwing - *Catocala minuta* W. H. Edwards - 8874

Little nymph underwing - *Catocala micronympha* Guenée - 8876

Little wife underwing - *Catocala muliercula* Guenée - 8774

Locust underwing - *Euparthenos nubilis* (Hübner) - 8719

Louise underwing - *Catocala louiseae* J. Bauer - 8848

Messalina underwing - *Catocala messalina* Guenée - 8845

Miranda underwing - *Catocala miranda* H. Edwards - 8855

Orb underwing - *Catocala orba* Kusnezov - 8856

Penitent underwing - *Catocala piatrix* Grote - 8771

- Sad underwing - *Catocala maestos* Hulst - 8793  
 Sappho underwing - *Catocala sappho* Strecker - 8786  
 Scarlet underwing - *Catocala coccinata sinuosa* Grote - 8851a  
 Similar underwing - *Catocala similis* W. H. Edwards - 8873  
 Sordid underwing - *Catocala sordida* Grote - 8846  
 Southern darling underwing - *Catocala carissima* Hulst - 8832.1  
 Sweetheart underwing - *Catocala amatrix* (Hübner) - 8834  
 Tearful underwing - *Catocala lacrymosa* Guenée - 8794  
 Texarkana underwing - *Catocala texarkana* Brower - 8859  
 Three-staff underwing - *Catocala amestris* Strecker - 8844  
 Ulalume underwing - *Catocala ulalume* Strecker - 8789  
 Ultronia underwing - *Catocala ultronia* (Hübner) - 8857  
 Umber underwing - *Catocala umbrosa* Brou - 8801.1  
 Whitney's underwing - *Catocala whitneyi* Dodge - 8843  
 Widows underwing - *Catocala vidua* (J. E. Smith) - 8792  
 Wonderful underwing - *Catocala mira* Grote - 8863  
 Woody underwing - *Catocala grynea* (Cramer) - 8864  
**Unicorn caterpillar** - *Schizura unicornis* (J. E. Smith) - 8007  
 False unicorn caterpillar - *Schizura ipomoeae* Doubleday - 8005  
**Vagabond crambus** - *Agriphila vulgivagella* (Clemens) - 5403  
**Vallisneria leafcutter** - *Parapoynx obscuralis* (Grote) - 4760  
**Variable oakleaf caterpillar** - *Lochmaeus manteo* Doubleday - 7998  
**Variiegated cutworm** - *Peridroma saucia* (Hübner) - 10915  
**Variiegated fritillary** - *Euptoieta claudia* (Cramer) - 4447  
**Variiegated skipper** - *Gorgythion begga pyralina* (Möschler) - 3933a  
 Macareus variegated skipper - *Thespieus macareus* (Herrich-Schäffer) - 4124 (p. 62)  
**Velvetbean caterpillar** - *Anticarsia gemmatilis* Hübner - 8574  
**Verbena bud moth** - *Endothenia hebesana* (Walker) - 2738  
**Verde azul hairstreak** - *Chlorostymon maesites* (Herrich-Schäffer) - 4271  
**Vetch looper** - *Caenurgia chloropha* (Hübner) - 8733  
**Viceroy** - *Limenitis* sp. (Nymphalidae)  
 Florida viceroy - *Limenitis archippus floridensis* (Strecker) - 4523a  
**Vine borer**  
 Lima-bean vine borer - *Monoplotila pergratialis* (Hulst) - 5736  
 Squash vine borer - *Melittia cucurbitae* (Harris) - 2536  
**Vine sphinx** - *Eumorpha vitis* (Linnaeus) - 7864  
**Viola's wood satyr** - *Megisto cymela viola* (Maynard) - 4578a  
**Violet skipper** - *Polygonus leo savigny* (Latreille) - 3872a  
**Violet-banded skipper** - *Nyctelius nyctelius* (Latreille) - 4123  
**Virginia-creeper sphinx** - *Darapsa myron* (Cramer) - 7885  
**Virginia oakworm** - *Anisota virginensis* (Drury) - 7723  
**Waiter** - *Marpesia zerynthia* Hübner - 4548 (p. 62)  
**Walnut caterpillar** - *Datana integerrima* Grote & Robinson - 7907  
**Walnut moth**  
 Royal walnut moth - *Citheronia regalis* (Fabricius) - 7706  
**Walnut shoot moth** - *Acrobasis demotella* Grote - 5674  
**Walnut sphinx** - *Laothoe juglandis* (J. E. Smith) - 7827  
**Walsingham's grass tubeworm** - *Acrolophus propinquus* (Walsingham) - 374  
**Wasp moth** - Ctenuchinae (Arctiidae)  
 Edward's wasp moth - *Lymire edwardsii* (Grote) - 8270  
 Little Carol's wasp moth - *Nelphe carolina* H. Edwards - 8271  
 Scarlet wasp moth - *Cosmosoma myrodora* Dyar - 8280  
**Wasp parasitizer moth** - *Chalcoela pegasalis* (Walker) - 4896  
**Waterhyacinth moth** - *Niphograptus albiguttalis* (Warren) - 5149  
**Waterlily leafcutter** - *Synclita oblitalis* (Walker) - 4755  
 Floating-heart waterlily leafcutter - *Parapoynx seminealis* (Walker) - 4763  
**Waterlily owlet** - *Homophoberia cristata* Morrison - 9056  
**Watermilfoil leafcutter** - *Parapoynx allionealis* Walker - 4764  
**Waved sphinx** - *Ceratonis undulosa* (Walker) - 7787  
**Wax moth** - Pyralidae  
 False wax moth - *Vitula edmandsii* (Packard) - 6007  
 Greater wax moth - *Galleria mellonella* (Linnaeus) - 5622  
 Lesser wax moth - *Achroia grisella* (Fabricius) - 5623  
**Webber**  
 Bean leaf webber - *Omiodes indicata* (Fabricius) - 5212  
 Caper leaf webber - *Dichogama redtenbacheri* Lederer - 4790  
**Webbing clothes moth** - *Tineola bisselliella* (Hummel) - 426  
**Webbing coneworm** - *Dioryctria disclosa* Heinrich - 5847  
**Webworm**  
 Ailanthus webworm - *Atteva pustulella* (Fabricius) - 2401  
 American celery webworm - *Nomophila nearctica* Munroe - 5156  
 Bluegrass webworm - *Parapediasia teterrella* (Zincken) - 5451  
 Bumelia webworm - *Urodus parvula* (H. Edwards) - 2415  
 Cabbage webworm - *Hellula rogatalis* (Hulst) - 4846  
 Carpet grass webworm - *Fissicrambus haytiellus* (Zincken) - 5433  
 Cassia webworm - *Anabasis ochrodesma* (Zeller) - 5704  
 Christmas-berry webworm - *Loxostege floridalis* Barnes & McDunnough - 4994  
 Corn root webworm - *Crambus caliginosellus* Clemens - 5381  
 Eggplant webworm - *Rhectocraspeda periusalis* (Walker) - 5157  
 Fall webworm - *Hyphantria cunea* (Drury) - 8140  
 Garden webworm - *Achyra rantalis* (Guenée) - 4975  
 Greater sweetpotato webworm - *Herpetogramma fluctuosalis* (Lederer) - 5273  
 Hawaiian beet webworm - *Spoladea recurvalis* (Fabricius) - 5170  
 Juniper webworm - *Dichomeris marginella* (Fabricius) - 2282  
 Lespedeza webworm - *Pococera scortealis* (Lederer) - 5596  
 Mahogany webworm - *Macalla thyrissalis* Walker - 5575  
 Mimosa webworm - *Homadaula anisocentra* Meyrick - 2400.1  
 Orange webworm - *Dichomeris citrifoliella* (Chambers) - 2292  
 Papaya webworm - *Davara caricae* (Dyar) - 5732  
 Pine webworm - *Pococera robustella* (Zeller) - 5595  
 Sod webworm - *Pediasia trisepta* (Walker) - 5413  
 Sorghum webworm - *Nola cereella* (Bosc) - 8991  
 Southern beet webworm - *Herpetogramma bipunctalis* (Fabricius) - 5272  
 Soybean webworm - *Brachyacma palpigera* (Walsingham) - 2272  
 Spotted beet webworm - *Hymenia perspectalis* (Hübner) - 5169  
 Sumac webworm - *Nephoterix subfuscella* (Ragonot) - 5789  
 Sweetpotato webworm - *Helcystogramma convolvuli* (Walsingham) - 2265.1

- Wedgling** - *Galgula partita* Guenée - 9688
- Whirlabout skipper** - *Polites vibex* (Geyer) - 4045
- White** - Pierinae (Pieridae)
- Florida white - *Appias drusilla neumoenii* (Skinner) - 4190a
- Checkered white - *Pontia protodice* Boisduval & Leconte - 4192
- Great southern white - *Ascia monuste phileta* (Fabricius) - 4198a
- Mustard white - *Ascia monuste phileta* (Fabricius) - 4198
- Southern white - *Ascia monuste phileta* (Fabricius) - 4198a
- Tropical white - *Appias drusilla neumoenii* (Skinner) - 4190a
- White checkered skipper** - *Pyrgus albescens* Plötz - 3967
- White flannel moth** - *Norape ovina* (Sepp) - 4650
- White peacock** - *Anartia jatrophae guantanamo* Munroe - 4443a
- White-spotted cankerworm** - *Paleacrita merriccata* Dyar - 6663
- White spring moth** - *Lomographa vestaliata* (Guenée) - 6667
- White waterlily leafcutter** - *Parapoynx maculalis* (Clemens) - 4759
- White-cedar hairstreak** - *Callophrys hesseli* Rawson & Ziegler - 4319
- White-lined sphinx** - *Hyles lineata* (Fabricius) - 7894
- White-M hairstreak** - *Parrhasius m-album* (Boisduval & Leconte) - 4335
- White-marked tussock moth** - *Orgyia leucostigma* (J. E. Smith) - 8316
- White-tipped black** - *Melanchroia chephise* (Cramer) - 6616
- White witch** - *Thysania agrippina* (Cramer) - 8648
- Whitney's underwing - *Catocala whitneyi* Dodge - 8843
- Widows underwing** - *Catocala vidua* (J. E. Smith) - 8792
- Wild indigo dusky wing** - *Erynnis baptisiae* (Forbes) - 3959
- Willow clearwing borer** - *Synanthedon proxima* (H. Edwards) - 2572
- Willow looper** - *Anacamptodes defectaria* (Guenée) - 6586
- Wing**
- Orange wing - *Mellila xanthometata* (Walker) - 6322
- Witch**
- Black witch - *Ascalapha odorata* (Linnaeus) - 8649
- Wonderful underwing** - *Catocala mira* Grote - 8863
- Woodland elfin** - *Callophrys henrici margaretae* dos Passos - 4326a
- Woodlands swallowtail** - *Papilio palamedes* Drury - 4182
- Wood nymph** - Satyrinae (Nymphalidae)
- Abbot's wood nymph [see Common wood nymph] - 4587
- Beautiful wood nymph - *Eudryas grata* (Fabricius) - 9301
- Common wood nymph - *Cercyonis pegala* (Fabricius) - 4587
- Pearly wood nymph - *Eudryas unio* (Hübner) - 9299
- Wood satyr** - Satyrinae (Nymphalidae)
- Little wood satyr - *Megisto cymela* (Cramer) - 4578
- Viola's wood satyr - *Megisto cymela viola* (Maynard) - 4578a
- Woody underwing** - *Catocala grynea* (Cramer) - 8864
- Woollybear** - Arctiidae
- Banded woollybear - *Pyrrharctia isabella* (J. E. Smith) - 8129
- Giant woollybear - *Hypercompe scribonia* (Stoll) - 8146
- Woolly gray** - *Lycia ypsilon* (S. A. Forbes) - 6652
- Worm**
- Abbot's bagworm - *Oiketicus abbotii* Grote - 454
- Ailanthus webworm - *Atteva pustulella* (Fabricius) - 2401
- American celery webworm - *Nomophila nearctica* Munroe - 5156
- Androgea armyworm - *Spodoptera androgea* (Stoll) - 9673.1
- Army cutworm - *Euxoa auxillaris* (Grote) - 10731
- Armyworm - *Pseudaletia unipuncta* (Haworth) - 10438
- Avocado spanworm - *Epimecis detexta* (Walker) - 6604
- Bald cypress coneworm - *Dioryctria pygmaeella* Ragonot - 5849
- Beet armyworm - *Spodoptera exigua* (Hübner) - 9665
- Black cutworm - *Agrotis ipsilon* (Hufnagel) - 10663
- Blister coneworm - *Dioryctria clarioralis* (Walker) - 5863.1
- Bluegrass webworm - *Parapediasia teterrella* (Zincken) - 5451
- Bristly cutworm - *Lacinipolia renigera* (Stephens) - 10397
- Bumelia leafworm - *Lactura pupula* (Hübner) - 2405
- Bumelia webworm - *Urodus parvula* (H. Edwards) - 2415
- Cabbage webworm - *Hellula rogatalis* (Hulst) - 4846
- Caribbean armyworm - *Spodoptera pulchella* (Herrich-Schäffer) - 9668
- Carpenterworm - *Prionoxystus robiniae* (Peck) - 2693
- Carpet grass webworm - *Fissicrambus haytiellus* (Zincken) - 5433
- Cassava hornworm - *Erinnyis alope* (Drury) - 7832
- Cassia webworm - *Anabasis ochrodesma* (Zeller) - 5704
- Cherry fruitworm - *Grapholita packardi* Zeller - 3428
- Christmas-berry webworm - *Loxostege floridalis* Barnes & McDunnough - 4994
- Clay-backed cutworm - *Agrotis gladiaria* Morrison - 10648
- Clemens' grass tubeworm - *Acrolophus popeanella* (Clemens) - 373
- Clover cutworm - *Discestra trifolii* (Hufnagel) - 10223
- Consular oakworm - *Anisota consularis* Dyar - 7718
- Corn earworm - *Heliothis zea* (Boddie) - 11068
- Corn root webworm - *Crambus caliginosellus* Clemens - 5381
- Cotton cutworm - *Spodoptera ornithogalli* (Guenée) - 9669
- Cotton leafworm - *Alabama argillacea* (Hübner) - 8554
- Cranberry fruitworm - *Acrobasis vaccinii* Riley - 5653
- Cross-striped cabbage worm - *Evergestis rimosalis* (Guenée) - 4898
- Currant fruitworm - *Carposina fernaldana* Busck - 2315
- Dingy cutworm - *Feltia jaculifera* (Guenée) - 10670
- Dusky cutworm - *Agrotis venerabilis* Walker - 10651
- Eastern grass tubeworm - *Acrolophus plumifrontella* (Clemens) - 372
- Eastern pine seedworm - *Cydia toreuta* (Grote) - 3486
- Eggplant webworm - *Rhectocraspeda periusalis* (Walker) - 5157
- Elm spanworm - *Ennomis subsignaria* (Hübner) - 6798
- Fall armyworm - *Spodoptera frugiperda* (J. E. Smith) - 9666
- Fall cankerworm - *Alsophila pometaria* (Harris) - 6258
- Fall webworm - *Hyphantria cunea* (Drury) - 8140
- Ficus budworm - *Tortyra slossonia* (Fernald) - 2653
- Filbertworm - *Cydia latiferreanus* (Walsingham) - 3494
- Forge armyworm - *Leucania subpunctata* (Harvey) - 10454.1
- Garden armyworm - *Spodoptera latifascia* (Walker) - 9670
- Garden webworm - *Achyra rantalis* (Guenée) - 4975
- Gooseberry fruitworm - *Zophodia grossulariella* (Hübner) - 5968
- Granulate cutworm - *Agrotis subterranea* (Fabricius) - 10664
- Grass tubeworm - *Acrolophus arcanella* (Clemens) - 340
- Gray armyworm - *Spodoptera albula* (Walker) - 9673
- Greasy cutworm - *Agrotis ipsilon* (Hufnagel) - 10663
- Greater sweetpotato webworm - *Herpetogramma fluctuosalis*

(Lederer) - 5273

Green cloverworm - *Plathypena scabra* (Fabricius) - 8465Green cutworm - *Anicla infecta* (Ochsenheimer) - 10911Green-striped mapleworm - *Dryocampa rubicunda* (Fabricius) - 7715Hawaiian beet webworm - *Spoladea recurvalis* (Fabricius) - 5170Herilis cutworm - *Agrotis herilis* (Grote) - 10676Hickory shuckworm - *Cydia caryana* (Fitch) - 3471Horned spanworm - *Nematocampa resistaria* (Herrich-Schäffer) - 7009Imported cabbageworm - *Pieris rapae* (Linnaeus) - 4197Jack pine budworm - *Choristoneura pinus maritima* T. N. Freeman - 3643aJuniper webworm - *Dichomeris marginella* (Fabricius) - 2282Large maple spanworm - *Prochoerodes transversata incurvata* (Guenée) - 6982aLesser maple spanworm - *Itame pustularia* (Guenée) - 6273Lespedeza webworm - *Pococera scortealis* (Lederer) - 5596Little carpenterworm - *Prionoxystus macmurtrei* (Guérin-Ménéville) - 2694Loblolly pine coneworm - *Dioryctria merkei* Mutuura & Munroe - 5852.1Longleaf pine seedworm - *Cydia ingens* (Heinrich) - 3487Many-dotted appleworm - *Balsa malana* (Fitch) - 9662Mahogany webworm - *Macalla thyrsisalis* Walker - 5575Maple spanworm - *Ennomos magnaria* Guenée - 6797Melonworm - *Diaphania hyalinata* (Linnaeus) - 5204Mimosa webworm - *Homadula anisocentra* Meyrick - 2400.1Mottled gray cutworm - *Abagrotis alternata* (Grote) - 11029Navel orangeworm - *Amyelois transitella* (Walker) - 5724Pale-sided cutworm - *Agrotis malefida* Guenée - 10661Palmerworm - *Dichomeris ligulella* Hübner - 2281Parsley worm - *Papilio polyxenes asterius* Stoll - 4159aPecan carpenterworm - *Cossula magnifica* (Strecker) - 2674Peigler's orange-striped oakworm - *Anisota peigleri* Riette - 7720Pickworm - *Diaphania nitidalis* (Stoll) - 5202Pine webworm - *Pococera robustella* (Zeller) - 5595Pink bollworm - *Pectinophora gossypiella* (Saunders) - 2261Pink-striped oakworm - *Anisota virginensis* (Drury) - 7723Potato tuberworm - *Phthorimaea operculella* (Zeller) - 2011Pyramidal fruitworm - *Amphipyra pyramidoides* Guenée - 9638Red-necked peanutworm - *Stegasta bosqueella* (Chambers) - 2209Seagrape spanworm - *Ametris nitocris* (Cramer) - 6259Silkworm - *Bombyx mori* (Linnaeus) - 7668Slash pine seedworm - *Cydia anaranjada* (W. E. Miller) - 3488Sod webworm - *Pediasia trisepta* (Walker) - 5413Sorghum webworm - *Nola cereella* (Bosc) - 8991South coastal coneworm - *Dioryctria ebeli* Mutuura & Munroe - 5841.1Southern beet webworm - *Herpetogramma bipunctalis* (Fabricius) - 5272Southern cabbageworm - *Pontia protodice* Boisduval & Leconte - 4193Southern hayworm - *Ocrasa nostralis* (Guenée) - 5531Southern oakworm - *Anisota consularis* Dyar - 7718Southern pine catkinworm - *Satrania tantilla* Heinrich - 3415Southern pine coneworm - *Dioryctria amatella* (Hulst) - 5853Speckled green fruitworm - *Orthosia hibisci* (Guenée) -

10495

Spiny oakworm - *Anisota stigma* (Fabricius) - 7716Spotted beet webworm - *Hymenia perspectalis* (Hübner) - 5169Spotted cutworm - *Xestia dolosa* Franclemont - 10942.1Spruce budworm - *Choristoneura fumiferana* (Clemens) - 3638Striped cutworm - *Euxoa tessellata* (Harris) - 10805Subflexa budworm - *Heliothis subflexa* (Guenée) - 11070Subgothic cutworm - *Agrotis subgothica* (Haworth) - 10674Sugarcane budworm - *Leucania humidicola* Guenée - 10458Sumac webworm - *Nephopterix subfuscicella* (Ragonot) - 5789Sweetpotato armyworm - *Spodoptera dolichos* (Fabricius) - 9671Sweetpotato hornworm - *Agrius cingulatus* (Fabricius) - 7771Sweetpotato webworm - *Helcystogramma convolvuli* (Walsingham) - 2265.1Texas grass tubeworm - *Acrolophus texanella* (Chambers) - 383Tobacco budworm - *Heliothis virescens* (Fabricius) - 11071Tobacco hornworm - *Manduca sexta* (Linnaeus) - 7775Tomato hornworm - *Manduca quinquemaculata* (Haworth) - 7776Tomato pinworm - *Keiferia lycopersicella* (Walsingham) - 2047Variegated cutworm - *Peridroma saucia* (Hübner) - 10915Virginia oakworm - *Anisota virginensis* (Drury) - 7723Walsingham's grass tubeworm - *Acrolophus propinquus* (Walsingham) - 374Webbing coneworm - *Dioryctria disclusa* Heinrich - 5847White-spotted cankerworm - *Paleacrita merricata* Dyar - 6663Yellow armyworm - *Leucania phragmatidicola* Guenée - 10444Yellow-striped armyworm - *Spodoptera ornithogalli* (Guenée) - 9669**Wrinkled flannel moth** - *Lagoa crispata* (Packard) - 4644**Yehl skipper** - *Poanes yehl* (Skinner) - 4063**Yellow**Barred yellow - *Eurema दौरа* (Godart) - 4243Boisduval's yellow - *Eurema boisduvaliana* (Felder & Felder) - 4245Dina yellow - *Eurema dina helios* M. Bates - 4240aLittle yellow - *Eurema lisa* (Boisduval & Leconte) - 4237Mimosa yellow - *Eurema nise* (Cramer) - 4238Shy yellow - *Eurema messalina blakei* (Maynard) - 4239a**Yellow-angled sulphur** - *Anteos maerula lacordairei* (Boisduval) - 4227a**Yellow armyworm** - *Leucania phragmatidicola* Guenée - 10444**Yellow bear** - *Spilosoma virginica* (Fabricius) - 8137**Yellow brimstone** - *Anteos maerula lacordairei* (Boisduval) - 4227a**Yellow-collared scape moth** - *Cisseps fulvicollis* (Hübner) - 8267**Yellow-necked caterpillar** - *Datana ministra* (Drury) - 7902**Yellow-patch skipper** - *Polites peckius* (Kirby) - 4036 (p. 62)**Yellow-striped armyworm** - *Spodoptera ornithogalli* (Guenée) - 9669**Yellow-winged oak leafroller** - *Argyrotaenia quercifoliana* (Fitch) - 3623**Yucca giant skipper** - *Megathymus yuccae buchholzi* H. A. Freeman - 4145a

**Yucca moth** - *Tegeticula yuccasella* (Riley) - 198

**Yucca skipper** - *Megathymus yuccae buchholzi* H. A. Freeman  
- 4145a

Harris' yucca skipper [see Southern yucca skipper] - 4147

Southern yucca skipper - *Megathymus cofaqui* (Strecker) -  
4147

**Zabulon skipper** - *Poanes zabulon* (Boisduval & Leconte) -  
4060

**Zarucco dusky wing** - *Erynnis zarucco* (Lucas) - 3956

**Zebra** - *Heliconius charithonia tuckerorum* W. P. Comstock &  
F. M. Brown - 4418a

Tucker's zebra - *Heliconius charithonia tuckerorum* W. P.  
Comstock & F. M. Brown - 4418a

**Zebra longwing** - *Heliconius charithonia tuckerorum* W. P.  
Comstock & F. M. Brown - 4418a

**Zebra swallowtail** - *Eurytides marcellus* (Cramer) - 4184

**Zestos skipper** - *Epargyreus zestos* (Geyer) - 3869