

Maynard M. Metcalf
Smithsonian Institution

SMITHSONIAN INSTITUTION.

UNITED STATES NATIONAL MUSEUM.

MAYNARD M. METCALF,

BULLETIN

OF THE

UNITED STATES NATIONAL MUSEUM.

No. 52.

A LIST OF NORTH AMERICAN LEPIDOPTERA AND KEY TO
THE LITERATURE OF THIS ORDER OF INSECTS.

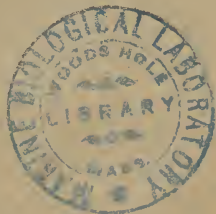
BY

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AND AUGUST BUSCK.



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This work (Bulletin No. 52) is one of a series of papers intended to illustrate the collections belonging to or placed under the charge of the Smithsonian Institution and deposited in the United States National Museum.

The publications of the National Museum consist of two series—the *Bulletin* and the *Proceedings*.

The *Bulletin*, publication of which was commenced in 1875, is a series of elaborate papers issued separately and based for the most part upon collections in the National Museum. They are monographic in scope and are devoted principally to the discussion of large zoological groups, bibliographies of eminent naturalists, reports of expeditions, etc. The bulletins, issued only as volumes with one exception, are of octavo size, although a quarto form, known as the Special Bulletin, has been adopted in a few instances in which a larger page was deemed indispensable.

The *Proceedings* (octavo), the first volume of which was issued in 1878, are intended primarily as a medium of publication for newly acquired facts in biology, anthropology, and geology, descriptions of new forms of animals and plants, discussions of nomenclature, etc. A volume of about 1,000 pages is issued annually for distribution to libraries, while a limited edition of each paper in the volume is printed and distributed in pamphlet form in advance.

In addition, there are printed each year in the second volume of the Smithsonian Report (known as the Report of the U. S. National Museum) papers, chiefly of an ethnological character, describing collections in the National Museum.

Papers intended for publication by the National Museum are usually referred to an advisory committee, composed as follows: Frederick W. True (chairman), William H. Holmes, George P. Merrill, James E. Benedict, Otis T. Mason, Leonhard Stejneger, Lester F. Ward, and Marcus Benjamin (editor).

S. P. LANGLEY,

Secretary of the Smithsonian Institution.

WASHINGTON, U. S. A., December 1, 1902.

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P R E F A C E .

This work is intended to take the place of Smith's List of the Lepidoptera of Boreal America (1891), and to furnish a condensed catalogue of North American Lepidoptera comparable to Staudinger and Rebel's Catalogue of the Lepidoptera of Europe. Within a few years several of the larger families of the Lepidoptera have been fully catalogued, so that it seemed both unnecessary and inadvisable to repeat all of this matter. To avoid this, and yet make these references easily available, a catalogue reference is given at the head of each family, abbreviated "C," and it is specifically referred to by pages or numbers. The original reference to each species is, however, always repeated, except in the case of old synonyms. All specific synonyms are included, but where the reference is not given it will be found in the Catalogue referred to.

Within the last ten years the classification of the Lepidoptera has been radically altered. No exact consensus of opinion as to the proper sequence of families and genera has been reached, but the recent workers are so closely in accord as to the principles involved and the resultant general scheme that we seem to be somewhere near a natural classification. In the present list I have followed my own views, based largely on larval characters, in the arrangement of the family and superfamily groups. The system does not differ in general from that of Edward Meyrick, which has been adopted by the British Museum in the Catalogue of the Lepidoptera Phalaenæ, though the order of groups is somewhat different. I have placed the butterflies first, since they seem on the whole "higher" than the moths, and this course agrees with the usual custom. I follow with the Sphingidæ and Saturnians for the same reasons, although, in venation, they are more generalized than some of the Noctuid groups. The list, as a whole, proceeds from higher to lower forms, as in Staudinger and Rebel's catalogue.

The butterflies follow in the main Dr. H. Skinner's recent catalogue as to species. I have restored the genera as worked out by Dr. S. H. Scudder. I have not been able to give the matter full study, so that some of the genera are doubtless not pure, while there are probably too many of them; but as they stand they seem more in harmony with generic

ideas, as understood in the rest of the order, than they have been in any other general list, and are at least an improvement on these. I have placed the Papiionidæ first, not because I regard them as higher than the Nymphalidæ—the reverse is the case—but because the studies of Prof. A. R. Grote seem to show that they can not be interpolated anywhere, having a very distinct phylogeny. The Sphingidæ are not radically altered from the arrangement given in Dr. J. B. Smith's paper on the group some years ago. The Saturnians follow the work of Mr. B. Neumoegen and myself. In the Bombycoidea I have followed Sir G. F. Hampson's Catalogue of the Lepidoptera Phalænæ as far as published. The Noctuidæ have been recently catalogued by Dr. Smith, and I have followed this catalogue with sundry changes, largely suggested by himself. Professor Grote has made some studies on the types of the Noctuid genera with the view of revising their nomenclature, but his results unfortunately did not reach me in time to be made full use of. Professor Grote also very kindly offered me his assistance in regard to other details in the Noctuidæ, which would have been of great value from his long experience with this family; but owing to the distance at which he lives I was unable to take advantage of the offer. The order of genera has, however, been changed to agree with Dr. Smith's present views. The manuscript of the Geometridæ was prepared by the late Dr. Georçé D. Hulst, and was not entirely finished at his death. I have made almost no alterations in it, simply completing it on the lines laid down. It forms his last contribution to the study of this family. In the Tineoidea Dr. Hulst furnished manuscript for the subfamily Phycitinæ of the Pyralidæ, and Dr. C. H. Fernald for the remaining subfamilies of this group, together with the Pterophoridæ and Tortricidæ. The references by these gentlemen have been given somewhat more fully than in some of the other families, but this has seemed advisable, because in some of these groups the latest catalogue is much out of date, and in others there exists no catalogue. Mr. August Busck has greatly assisted me in the arrangement and sequence of the Tineid groups proper, and he has prepared the Gelechiidæ from a full article on that family, which is now in press and will appear soon after this catalogue.

The species have been numbered in sequence, as in the latest American check list. With the marked changes in arrangement and additions, it has naturally been impossible to preserve any relation between these numbers and the old ones. A few decimal numbers have been used for species inserted after the manuscript was completed.

The habitats of the species are given in a general way. The term "Atlantic States" includes the Alleghanian, Carolinian, and Austro-riparian faunas of Dr. C. Hart Merriam's map (Bulletin No. 10, U. S. Department of Agriculture, Division of the Biological Survey, 1898). "No. U. S." refers to the Boreal and Transition zones of the Northern

States and Canada; "Pacific States" to these same zones in California, Oregon, Washington, and British Columbia. "U. S." refers to the whole of the United States and Canada.

The abbreviations of the names of publications are given in a more extended form than in Staudinger and Rebel's Catalogue, and it is expected that they will be self explanatory to those having a general knowledge of the literature. A list of works quoted has, however, been added. In the index the references to the genera are by pages, those of the species by numbers.

Species with an asterisk (*) preceding the serial number are not represented in the collections of the United States National Museum, and it is hoped that persons receiving this Bulletin will reciprocate by sending some of these missing species.

Finally, I would express my obligation to Mr. A. N. Caudell and to Miss Wellesca Pollock, who have kindly assisted me in the work of preparation.

HARRISON G. DYAR.



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A LIST OF NORTH AMERICAN LEPIDOPTERA AND KEY TO THE LITERATURE OF THIS ORDER OF INSECTS.

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Order LEPIDOPTERA. Superfamily PAPILIONOIDEA. Family PARNASSIIDAE.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., 1898, pp. 72-73.)

PARNASSIUS Latreille.

LATREILLE, Sommi. Buff., xiv, 110, 1805; SCUDDER, Proc. Am. Ac. Arts & Sci., x, 241, 1875.

- 1. *clodius* MÉNÉTRIES, Cat. Lép. Pét., i, 73, 1855; Mts. Pac.
SKINNER, C. no. 438. States.
- syn. *baldur* EDWARDS, *clarius* BOISDUVAL.
- a. ménétriesii* HY. EDWARDS, Proc. Cal. Acad. Sci.,
vii, 164, 1878.
- b. altaurus* DYAR (Spots yellow instead of red). Wyo.
- 2. *smintheus* DOUBLEDAY & HEWITSON, Gen. Diurn. Mts. Pac.
Lep., pl. 4, 1847; SKINNER, C. no. 439. States,
syn. *sayii* EDWARDS. Rocky Mts.
- a. behrii* EDWARDS, Trans. Am. Ent. Soc., iii, 10,
1870.
- b. hermodur* HY. EDWARDS, Pap., i, 4, 1884.
- c. nanus* NEUMOEGEN, Ent. Amer., vi, 61, 1890.
- d. sedakovii* MÉNÉTRIES, Cat. Lép. Pét., i, 71, 1855.

- *3. **nomion** FISCHER, Ent. Russ., ii, 242, 1823; SKINNER, C. no. 440. Alaska.
4. **eyersmanni** MÉNÉTRIÉS, Cat. Lép. Pét., i, 73, 1855; SKINNER, C. no. 441. Alaska, Siberia.
syn. *wosnesenskii* MÉNÉTRIÉS.
a. thor HY. EDWARDS, Pap., i, 4, 1881; SKINNER, C. no. 441.

Family PAPILIONIDAE.

(C. = SKINNER, Syn. Cat. No. Am. Rhop., 1898, pp. 73-78.)

IPHIDICLES Hübner.

HÜBNER, Verz. bek. Schmett., 82, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 197, 1875.

5. **ajax** LINNÆUS, Syst. Nat., 1, 750, 1758; SKINNER, C. no. 442. Atl. States.
syn. *walshii* EDWARDS, *abbotti* EDWARDS.
a. telamonides FELDER, Reise Novara, Lep., i, 60, 1865; SKINNER, C. no. 442.
b. marcellus BOISDUVAL & LE CONTE, Lép. Am. Sept., pl. 2, 1833.
- *6. **sinon** FABRICIUS, Syst. Ent., 452, 1775; SKINNER, C. no. 443. Fla., Antilles.

PAPILIO Linnæus.

LINNÆUS, Syst. Nat., i, 76, 1758; SCUDDER, Proc. Am. Ac. Arts & Sci., x, 238, 1875.

7. **pilumnus** BOISDUVAL, Spec. Gén., i, 340, 1836; SKINNER, C. no. 461. Ariz., Mex.
8. **daunus** BOISDUVAL, Spec. Gén., i, 342, 1836; SKINNER, C. no. 460. Rocky Mts.
9. **eurymedon** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 280, 1852; SKINNER, C. no. 458. Pac. States, Col.
a. albanus FELDER, Reise Novara, Lep., i, 93, 1865.
10. **rutulus** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 279, 1852; SKINNER, C. no. 459. Pac. States, Rocky Mts.
a. arizonensis EDWARDS, Pap., iii, 4, 1883.
b. ammoni BEHRENS, Can. Ent., xix, 199, 1887.
11. **glaucus** LINNÆUS, Mus. Ulr., 190, 1764; SKINNER, C. no. 457. Atl. States, Can., Alaska.
a. turnus LINNÆUS, Mant. Plant., v, 36, 1771. syn. *alcidamus* CRAMER, *antiochus* LINNÆUS, *fletcheri* KEMP, Ent. News, xi, 481, 1900.
b. australis MAYNARD, Man. Butt., app., 215, 1891.

12. **palamedes** DRURY, III. Exot. Ent., i, 19, 1773; SKINNER, C. no. 456. So. Atl. States.
syn. *calchas* FABRICIUS.
13. **troilus** LINNÆUS, Mus. Ulr., 187, 1764; SKINNER, C. no. 455. Atl. States, N.-W. Terr.
syn. *ilioneus* SMITH & ABBOT.
a. texanus EHRLMAN, Can. Ent., xxxii, 348, 1900.
b. radiatus STRECKER, Lep. Rhop. Het., suppl., 3, 17, 1900.
14. **thoas** LINNÆUS, Mant. Plant., 536, 1777; SKINNER, C. no. 462. Atl. States, Ariz., Mex.
syn. *eresphontes* CRAMER, *ovibus* HÜBNER.
- *15. **eresphontinus** MARTYN, Psyche, iii, f. 8, 1797; SKINNER, C. no. 463. Fla., Antilles, So. Am.
syn. *aristodemus* ESPER, *temenes* GODART, *daphnis* GRAY.
16. **machao** LINNÆUS, Faun. Suec., 267, 1761; KIRBY, Cat. Diurn. Lep., 565, 1871. Eur., Alaska, No. Pac. States.
a. alaska SCUDDER, Proc. Bost. Soc. Nat. Hist., xii, 45, 1869; SKINNER, C. no. 447.
17. **bairdii** EDWARDS, Proc. Ent. Soc. Phil., ii, 200, 1869; SKINNER, C. no. 448. Pac. States, Rocky Mts.
syn. *utahensis* STRECKER.
a. oregonia EDWARDS, Butt. N. A., ii, pl. 7, 1880.
b. brucei EDWARDS, Can. Ent., xxvii, 11, 1895.
c. hollandii EDWARDS, Can. Ent., xxv, 253, 1893.
18. **zolicaon** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 281, 1852; SKINNER, C. no. 449. Pac. States, Rocky Mts.
syn. *zelicayn* LUCAS, *californica* MÉNÉTRIÉS.
19. **americus** KOLLAR, Denksch. Akad. Wiss. Wien., Math., i, 354, 1850; SKINNER, C. no. 450. Ariz., Mex.
syn. *sadalus* LUCAS.
20. **indra** REAKIRT, Proc. Ent. Soc. Phil., vi, 125, 1866; SKINNER, C. no. 452. Cal., Rocky Mts.
syn. *pergamus* HY. EDWARDS.
a. nitra EDWARDS, Pap., iii, 162, 1883; SKINNER, C. no. 451.
21. **brevicauda** SAUNDERS, Packard's Guide, 245, 1869; SKINNER, C. no. 453. N.-E. Coast.
syn. *anticostiensis* STRECKER.



22. *polyxenes* FABRICIUS, Syst. Ent., 444, 1775; SKINNER, C. no. 454. U. S.
 syn. *asterius* CRAMER.
a. calverleyii GROTE, Proc. Ent. Soc. Phil., ii, 441, 1864.
b. amplicata MÉNÉTRIÉS. Cat. Lép. Pét., ii, 99, 1857.
c. alunata SKINNER & AARON, Can. Ent., xxi, 127, 1889.
d. semialba EHRMAN, Can. Ent., xxxii, 348, 1900.
e. curvifascia SKINNER, Ent. News, xiii, 183, 1902.

LAERTIAS Hübner.

HÜBNER, Verz. bek. Schmett., 84, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 201, 1875.

23. *philenor* LINNÆUS, Mant. Plant., 535, 1771; SKINNER, C. no. 444. U. S.
 syn. *astinuous* DRURY.
a. obsoleta EHRMAN, Can. Ent., xxxii, 348, 1900.
b. wasmuthi WEEKS, Jn. N. Y. Ent. Soc., ix, 82, 1901.

ITHOBALUS Hübner.

HÜBNER, Verz. bek. Schmett., 88, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 198, 1875.

24. *acauda* OBERTHUR, Études d'Ent., iv, 98, 1880; New Mex.,
 SKINNER, C. no. 445. Mex.
 syn. *nezahualcoyotl* STRECKER, *corbis* GODMAN
 & SALVIN, *orsua* GODMAN & SALVIN.
 25. *polydamas* LINNÆUS, Mus. Ur., 192, 1769; SKIN- Fla.,
 NER, C. no. 446. Antilles.

Family PIERIDÆ.

(C.=SKINNER, Syd. Cat. No. Am. Rhop., 1898, pp. 60-72.)

ARCHONIAS Hübner.

HÜBNER, Zutr. exot. Schmett., f. 461, 1825; KIRBY, Cat. Diurn. Lep., 429, 1872.

- *26. *lyceas* GODMAN & SALVIN, Biol. Cent. Am., Lep. Ariz.,
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 1900.

LEPTALIS Dalman.

DALMAN, Anal. Ent., 40, 1823; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 204, 1875.

27. *melite* LINNÆUS, Syst. Nat., 775, 1767; SKINNER, Mex., New
 C. no. 376. Mex.

NEOPHASIA Behr.

BEHR, Trans. Am. Ent. Soc., ii, 303, 1869; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 226, 1875.

28. *menapia* FELDER, Wien. ent. Mon., iii, 271, 1859; Pac. States,
SKINNER, C. no. 377. Col.

syn. *tau* SCUDDER, *ninonia* BOISDUVAL, *suffusa*
STRETCH.

29. *terlooi* BEHR, Trans. Am. Ent. Soc., ii, 304, 1869. Ariz., Mex.

syn. *epyasa* STRECKER, Lep. Rhop. Het., suppl.,
38, 1900; SKINNER, Ent. News, xi, 533, 1900.

a. princetonia POLING, Can. Ent., xxxii, 358, 1900.

TACHYRIS Wallengren.

WALLENGREN, Trans. Ent. Soc. Lond., (3), iv, 361, 1867; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 274, 1875.

30. *margarita* HÜBNER, Zutr. exot. Schmett., ii, pl. Fla.,
120, 1830; GODMAN & SALVIN, Biol. Cent. Am., Tex.,
Lep. Rhop., ii, 155, 1887. So. Am.

syn. *molpodja* HÜBNER, *ilaire* GODART, *mysis*
GODART, *poeyi* BUTLER.

a. neumoegenii SKINNER, Ent. News, v, 110, 1894;
C. no. 379.

31. *amaryllis* FABRICIUS, Ent. Syst., (3), i, 189, 1797; Tex.,
SKINNER, C. no. 378. Mex.

syn. *josephina* GODART, GODMAN & SALVIN,
Biol. Cent. Am., Lep. Rhop., ii, 135, 1887.

PONTIA Fabricius.

FABRICIUS, Ill. Mag., vi, 283, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 255, 1875.

32. *monuste* LINNÆUS, Mus. Ulr., 237, 1764; SKIN- So. States,
NER, C. no. 380. So. Am.

syn. *cleones* BOISDUVAL & LE CONTE.

a. phileta FABRICIUS, Syst. Ent., 471, 1775.

33. *beckeri* EDWARDS, Butt. No. Am., i, 30, 1871; Pac. States,
SKINNER, C. no. 381. Col.

34. *sisymbri* BOISDUVAL, An. Soc. Ent. Fr., (2), x, 284, Col., Pac.
1854; SKINNER, C. no. 382. States.

35. *nelsoni* EDWARDS, Butt. No. Am., ii, pl. 1, Pieris, Alaska.
1883; SKINNER, C. no. 383.

36. *occidentalis* REAKIRT, Proc. Ent. Soc. Phil., vi, Rocky
133, 1866; SKINNER, C. no. 384; COCKERELL, Mts.
Ent. News, xii, 18, 1901. to Pac.

a. calyce EDWARDS, Trans. Am. Ent. Soc., iii, 189,
1870.

37. *protodice* BOISDUVAL & LE CONTE, Lép. Am. Sep., U. S.
45, 1833; SKINNER, C. no. 385.
a. vernalis EDWARDS, Proc. Ent. Soc. Phil., ii,
501, 1864.
38. *napi* LINNÆUS, Faun. Suec., 271, 1766; SKIN- No. U. S.,
NER, C. no. 386. Cal.,
Eur.
- a. bryoniae* OCHSENHEIMER, Eur. Schmett., i, 151,
1808.
- b. hulda* EDWARDS, Trans. Am. Ent. Soc., ii, 370,
1869.
- c. venosa* SCUDDER, Proc. Bost. Soc. Nat. Hist.,
viii, 182, 1861.
syn. *flava* EDWARDS.
- d. oleracea* HARRIS, N. E. Farm., viii, 402, 1829.
- e. borealis* GROTE, Bull. Buff. Soc., i, 185, 1873.
- f. frigida* SCUDDER, Proc. Bost. Soc. Nat. Hist.,
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- g. virginiensis* EDWARDS, Trans. Am. Ent. Soc., iii,
13, 1870.
- h. acadica* EDWARDS, Pap., i, 87, 1881.
- i. pallida* SCUDDER, Proc. Bost. Soc. Nat. Hist.,
viii, 183, 1861.
syn. *nasturtii* BOISDUVAL.
- k. castoria* REAKIRT, Proc. Acad. Nat. Sci. Phil.,
31, 1866.
syn. *resedæ* BOISDUVAL.
- l. cruciferarum* BOISDUVAL, Spec. Gén., i, 519, 1839.
syn. *casta* KIRBY, *æstiva* HARRIS.
- *39. *ochsenheimeri* STAUDINGER, Stett. ent. Zeit., 199, Asia,
1886; SKINNER, C. no. 387. Alaska.
40. *rapæ* LINNÆUS, Syst. Nat., 468, 1758; SKINNER. Eur.,
C. no. 388. U. S.
- syn. *marginalis* SCUDDER, *yræka* REAKIRT.
- a. novangliae* SCUDDER, Can. ent., iv, 79, 1872.
- b. immaculata* SKINNER & AARON, Can. Ent., xxi,
128, 1889.
- c. manni* MAYER, Stett. ent. Zeit., 151, 1851.

NATHALIS Boisduval.

BOISDUVAL, Spec. Gén., i, 587, 1836; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 224, 1875.

41. *iole* BOISDUVAL, Spec. Gén., i, 589, 1836; SKIN- So. U. S.,
NER, C. no. 389. Mex.
- syn. *irene* FITCH, *felicicia* POEY, *luteolus* REAKIRT.

SYNCHLOE Hübner.

HÜBNER, Verz. bek. Schmett., 94, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 273, 1875; *Euchloe* HÜBNER, Verz. bek. Schmett., 94, 1816; *Midea* HERRICH-SCHAEFFER, Corr.-Blatt zool.-min. Ver. Reg., xxi, 105, 1867.

42. *creusa* DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., pl. 7, 1847; SKINNER, C. no. 391. So. Cal.
43. *olympia* EDWARDS, Trans. Am. Ent. Soc., iii, 266, 1871; SKINNER, C. no. 392. Ariz.
a. rosa EDWARDS, Pap., ii, 45, 1882.
44. *ausonides* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 286, 1852; SKINNER, C. no. 393. Pac. States,
a. hyantis EDWARDS, Trans. Am. Ent. Soc., iii, 205, 1871. Col.
b. coloradensis HY. EDWARDS, Pap., i, 50, 1881.
45. *lotta* BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., x, 243, 1898. Rocky Mts.
46. *lanceolata* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 284, 1852; SKINNER, C. no. 390. Pac. States,
 syn. *edwardsii* BEHR. Rocky Mts.
47. *cethura* FELDER, Reise Novara, Lep., ii, 182, 1865; SKINNER, C. no. 394. Pac. States.
 syn. *cooperi* BEHR, *angelina* BOISDUVAL.
a. morrisoni EDWARDS, Pap., i, 143, 1881.
48. *genutia* FABRICIUS, Syst. Ent., iii, 193, 1793; SKINNER, C. no. 397. So. Atl. States.
 syn. *midea* HÜBNER.
49. *sara* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 385, 1852; SKINNER, C. no. 395. Pac. States,
 syn. *thoosa* SCUDDER, *flora* WRIGHT. Rocky Mts.
a. reakirtii EDWARDS, Trans. Am. Ent. Soc., ii, 369, 1869.
 syn. *stella* EDWARDS.
b. julia EDWARDS, Trans. Am. Ent. Soc., iv, 61, 1872.
- *50. *pima* EDWARDS, Can. Ent., xx, 158, 1888; SKINNER, C. no. 396. Ariz.

CALLIDRYAS Boisduval & Le Conte.

BOISDUVAL & LE CONTE, Léop. Am. Sept., 73, 1829; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 131, 1875.

51. *philea* LINNÆUS, Syst. Nat., 764, 1776; SKINNER, C. no. 401. So. Miss. Val., So. Am.
 syn. *aricye* CRAMER, *melanippe* CRAMER.

52. **eubule** LINNÆUS, Syst. Nat., 743, 1766; SKIN- So. States,
NER, C. no. 398. Cal., So. Am.
syn. *sennae* LINNÆUS, *marcellina* CRAMER,
drya FABRICIUS, *yamana* REAKIRT.

APHRISSA Butler.

- BUTLER, Lep. Exot., 155, 1873; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 116, 1875.
53. **statira** CRAMER, Pap. Exot., iii, pl. 120, f. C., Fla.,
1779; SKINNER, C. no. 399. So. Am.
syn. *neleis* BOISDUVAL, *boisduvalii* FELDER,
jada BUTLER, *floridensis* NEUMOEGEN, *fabia*
FABRICIUS, *evadne* GODART, *alcmeone* CRAMER.

PHŒBIS Hübner.

- HÜBNER, Verz. bek. Schmett., 98, 1816; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 142, 1887; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 249, 1875.
54. **argante** FABRICIUS, Syst. Ent., 470, 1775; SKIN- Fla., Tex.,
NER, C. no. 403. So. Am.
syn. *cipris* CRAMER, *hersilia* CRAMER, *minuscule*
BUTLER, *pallideflava* GOEZE, *xanthia* SEPP,
larra FABRICIUS, *volcania* PERRY, *evidia*
GODART.
55. **agarithe** BOISDUVAL, Spec. Gén., i, 625, 1836; So. Miss.
SKINNER, C. no. 402. Val., So. Am.
syn. *maxima* NEUMOEGEN.

GONEPTERYX Leach.

- LEACH, Edinb. Enc., ix, 128, 1825; KIRBY, Cat. Diurn. Lep., 487, 1872.
56. **clorinde** GODART, Enc. Méth., ix, suppl., 813, Tex.,
1823; KIRBY, Cat. Diurn. Lep., 487, 1872; BARNES, So. Am.
Ent. News, x, 131, 1900.
syn. *swainsonia* SWAINSON, *mærula* HÜBNER,
godarti PERTY.

KRICOGONIA Reakirt.

- REAKIRT, Proc. Ent. Soc. Phil., ii, 355, 1863; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 201, 1875.
57. **lyside** GODART, Enc. Méth., ix, 98, 1819; SKIN- Tex.,
NER, C. no. 404. Mex.
syn. *terissa* LUCAS.
a. lanice LINTNER, Pap., iv, 138, 1884; SKINNER,
C. no. 406.
58. **fantasia** BUTLER, Trans. Ent. Soc. Lond., 170, Tex.,
1871; SKINNER, C. no. 405. Mex.
59. **unicolor** GODMAN & SALVIN, Biol. Cent. Am., Lep. Tex.,
Rhop., ii, 151, 1889; SKINNER, C. no. 407. Mex.

ZERENE Hübner.

HÜBNER, Verz. bek. Schmett., 97, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 291, 1875.

60. **eurydice** BOISDUVAL, Ann. Soc. Ent. Fr., iii, 32, 1855; SKINNER, C. no. 408. Ariz., Cal., Oreg.
 syn. *wosnesenski* MÉNÉTRIES, *lorquini* BOISDUVAL, *helenæ* REAKIRT.
a. amorphæ HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 169, 1876; SKINNER, C. no. 408.
b. bernardino EDWARDS, Butt., iii, pl. 1, 1887.
61. **cæsonia** STOLL, Suppl. Cramer, Pap. Exot., pl. 41, fig. 2, 1790; SKINNER, C. no. 409. So. U. S., So. Am.
 syn. *caroliniana* PETIVER.
a. rosa McNEILL, Can. Ent., xxi, 45, 1889.

EURYMUS Swainson.

SWAINSON, Horsf. Cat. Lep. E. I. Mus., 129, 1829; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 175, 1875.

62. **meadii** EDWARDS, Trans. Am. Ent. Soc., iii, 267, 1871; SKINNER, C. no. 410. Rocky Mts.
a. elis STRECKER, Proc. Acad. Nat. Sci. Phil., 24, 1885; SKINNER, C. no. 411.
63. **hecla** LEFÈBRE, Ann. Soc. Ent. Fr., v, 383, 1836; SKINNER, C. no. 412. Arctic Am., Eur.
a. glacialis McLACHLAN, Jn. Linn. Soc. Lond., xiv, 108, 1878.
b. hela STRECKER, Bull. Brook. Ent. Soc., iii, 33, 1880.
c. pallida SKINNER & MENGEL, Proc. Acad. Nat. Sci. Phil., 156, 1892.
- *64. **boothii** CURTIS, Ross Nar. Second Voy. N.-W. Pass., app., 62, 1835; SKINNER, C. no. 413. Arctic Am.
a. chione CURTIS, Ross Nar. Second Voy., app., 62, 1835.
65. **eurytheme** BOISDUVAL, Ann. Soc. Ent. Fr., 286, 1852; SKINNER, C. no. 414. Rocky Mts., Pac. States.
 syn. *amphidusa* BOISDUVAL, *californiana* MÉNÉTRIES, *keewaydin* EDWARDS, *intermedia* COCKERELL, *autumnalis* COCKERELL.
a. ariadne EDWARDS, Trans. Am. Ent. Soc., iii, 12, 1870.
b. eriphyle EDWARDS, Trans. Am. Ent. Soc., v, 202, 1876.
 syn. *hagenii* EDWARDS.
c. fumosa STRECKER, Lep. Rhop. Het., suppl., 3, 19, 1900.



66. **philodice** GODART, Enc. Méth., ix, 100, 1819; Atl. States.
SKINNER, C. no. 414.
 syn. *palæno* CRAMER, *europome* STEPHENS, *palidice* SCUDDER, *virida* STRECKER, *miscidice* SCUDDER, *nigrina* STRECKER, Lep. Rhop. Het., suppl., 3, 19, 1900, *albinic* SKINNER, *melanic* SKINNER, Syn. Cat. N. A. Rhop., 68, 1898.
a. anthyale HÜBNER, Zutr. exot. Schmett., f. 307, 1823.
b. nigridice SCUDDER, Butt., ii, 1114, 1889.
c. luteitincta WOLCOTT, Can. Ent., xxv, 104, 1893.
67. **hartfordii** HY. EDWARDS, Pac. Coast Lep., No. 24. Cal.
 9, 1877; **SKINNER**, C. no. 416.
 syn. *barbara* HY. EDWARDS.
68. **occidentalis** SCUDDER, Proc. Bost. Soc. Nat. Hist., Cal., B. C.,
 ix, 109, 1862; **SKINNER**, C. no. 417. Utah.
 syn. *chrysomelas* HY. EDWARDS.
69. **christina** EDWARDS, Proc. Ent. Soc. Phil., ii, 79, Rocky Mts.,
 1863; **SKINNER**, C. no. 418. Brit. Am.
 syn. *astræa* EDWARDS.
a. pallida LYMAN, Can. Ent., xix, 6, 1884.
70. **alexandra** EDWARDS, Proc. Ent. Soc. Phil., ii, 14, Col., No.
 1863; **SKINNER**, C. no. 419. Pac. States.
 syn. *alba* STRECKER, *pallida* COCKERELL.
a. edwardsii BEHR in EDWARDS, Butt. N. A., i, 55, 1870.
b. emilia EDWARDS, Trans. Am. Ent. Soc., iii, 12, 1870.
71. **interior** SCUDDER, Proc. Bost. Soc. Nat. Hist., ix, No. Atl.
 108, 1862; **SKINNER**, C. no. 420. States.
 syn. *laurentina* SCUDDER.
72. **scudderi** REAKIRT, Proc. Ent. Soc. Phil., iv, 217, No. Rocky
 1865; **SKINNER**, C. no. 421. Mts., No.
a. flavotincta COCKERELL, Psyche, ix, 186, 1901. Pac. States.
73. **pelidne** BOISDUVAL, Icones, pl. 8, 1832; **SKINNER**, Rocky
 C. no. 422. Mts.
 syn. *labradoriensis* SCUDDER.
a. skinneri BARNES, Can. Ent., xxix, 39, 1897.
b. gigantea STRECKER, Lep. Rhop. Het., suppl., 19, 1900.
74. **palæno** LINNÆUS, Syst. Nat., 764, 1767; **SKIN-** Eur., Alaska,
NER, C. no. 423. Labrador.
 syn. *europomene* ESPER, *philonomene* HÜBNER, *lapponica* STAUDINGER, *chippewa* EDWARDS, *helena* EDWARDS.
a. werdandi HERRICH-SCHAEFFER, Schm. Eur., f, 403, 1848.

75. **nastes** BOISDUVAL, *Icones*, pl. 8, 1832; SKINNER, C. no. 424. Arctic Am., Eur.
a. rossii GUENÉE, *Ann. Soc. Ent. Fr.*, 199, 1864.
b. streckeri GRUMM-GRSHIMAILO, *Hor. Ent. Soc. Ross.*, xxix, 290, 1895.
- *76. **moina** STRECKER, *Bull. Brook. Ent. Soc.*, iii, 34, 1880; SKINNER, C. no. 425. Hudson Bay.
77. **behrii** EDWARDS, *Proc. Ent. Soc. Phil.*, vi, 201, 1866; SKINNER, C. no. 426. Mts. Cal.

PYRISITA Butler.

BUTLER, *Cist. Ent.*, i, 35, 1870; SCUDDER, *Proc. Am. Acad. Arts & Sci.*, x, 261, 1875.

79. **gundlachia** POEY, *Hist. Nat. Cuba*, i, 246, 1851; SKINNER, C. no. 427. Tex., Ariz., Mex.
80. **proterpia** FABRICIUS, *Syst. Ent.*, 478, 1775; SKINNER, C. no. 428. Tex., Ariz., Mex.
81. **mexicana** BOISDUVAL, *Spec. Gén.*, i, 653, 1836; SKINNER, C. no. 430. Miss. Val., Mex.
syn. damaris FELDER, *depuiseti* BOISDUVAL.
- *82. **boisduvaliana** FELDER, *Reise Novara*, ii, 200, 1865. Ariz., Mex.
syn. damaris SKINNER (not FELDER), C. no. 431;
ingrata FELDER, *gratiosa* REAKIRT.

EUREMA Hübner.

HÜBNER, *Verz. bek. Schmett.*, 96, 1816; SCUDDER, *Proc. Am. Acad. Arts & Sci.*, x, 173, 1875.

83. **nicippe** CRAMER, *Pap. Exot.*, iii, 210, 1782; SKINNER, C. no. 429. So. Atl. States,
a. flava STRECKER, *Cat. Lep.*, 84, 1878. Ariz., Cal.
- *84. **westwoodi** BOISDUVAL, *Spec. Gén.*, i, 666, 1836; SKINNER, C. no. 432. Tex., Mex.
syn. dina HÜBNER, *calceolaria* BUTLER & DRUCE.
85. **euterpe** MÉNÉTRIES, *Bull. Mosc.*, 299, 1832; GODMAN & SALVIN, *Biol. Cen. Am., Lep. Rhop.*, ii, 102, 1889. So. Atl. States, Mex.
syn. visa BOISDUVAL, *clappii* MAYNARD.
a. alba STRECKER, *Cat. Lep.*, 85, 1878; SKINNER, C. no. 433.
- *86. **linda** EDWARDS, *Pap.*, iv, 53, 1884; SKINNER, C. no. 434. Mex.
87. **delia** CRAMER, *Pap. Exot.*, pl. 273, f. A, 1782; SKINNER, C. no. 435. Gulf States.
syn. demoditas HÜBNER, *daria* GODART.

88. **jucunda** BOISDUVAL & LE CONTE, Lép. Am. Sept., 52, 1833; SKINNER, C. no. 436. Gulf States, Mex.
syn. *ebriola* POEY, *albina* POEY.
89. **gnatheme** BOISDUVAL, Spec. Gén., i, 680, 1836; KIRBY, Cat. Diurn. Lep., 445, 1872. Fla., Antilles.
a. blakei MAYNARD, Man. Butt., app., 216, 1891.

Family NYMPHALIDÆ.

(C.=SKINNER, SYN. Cat. No. Am. Rhop., 1898, pp. 3-33.)

COLÆNIS Hübner.

- HÜBNER, Verz. bek. Schmett., 32, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 146, 1875.
90. **julia** FABRICIUS, Syst. Ent., 509, 1775; SKINNER, C. no. 7. Tex., Fla., Mex.
a. delila FABRICIUS, Syst. Ent., 510, 1775; SKINNER, C. no. 8.
syn. *cillene* CRAMER.

AGRAULIS Boisduval & LeConte.

- BOISDUVAL & LE CONTE, Lép. Am. Sept., 142, 1833; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 105, 1875.
91. **vanillæ** LINNÆUS, Syst. Nat., 482, 1758; SKINNER, C. no. 9. So. Atl. States, Cal., Mex.
syn. *passifloræ* FABRICIUS.

EUPTOIETA Doubleday.

- DOUBLEDAY, Gen. Diurn. Lep., 168, 1848; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 172, 1875.
92. **claudia** CRAMER, Pap. Exot., i, pl. 69, f. E, 1779; SKINNER, C. no. 10. Atl. States, Col., Cal.
syn. *columbina* GODART, *daunus* HERBST.
93. **hegesia** CRAMER, Pap. Exot., iii, pl. 209, f. E, 1782; SKINNER, C. no. 11. Cal., Tex., So. Am.
syn. *hortensis* BLANCHARD.

SEMNOPSYCHE Seudder.

SCUDDER, Bull. Buff. Soc., ii, 258, 1875; Butt. E. U. S., iii, 1798, 1889.

94. **diana** CRAMER, Pap. Exot., pl. 98, f. D, 1779; SKINNER, C. no. 12. So. Atl. States.

SPEYERIA Scudder.

SCUDDER, Syst. Rev., 23, 1872; Proc. Am. Acad. Arts & Sci., x, 269, 1875.

95. *idalia* DRURY, Ill. Exot. Ent., i, pl. 13, 1775; Atl.
SKINNER, C. no. 13. States.
syn. *astarte* FISCHER, *ashtaroth* FISCHER.

ARGYNNIS Fabricius.

FABRICIUS, Ill. Mag., vi, 263, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 118, 1875.

96. *nokomis* EDWARDS, Proc. Acad. Nat. Sci. Phil., Ariz.,
221, 1862; SKINNER, C. no. 14. Utah.
97. *nitocris* EDWARDS, Trans. Am. Ent. Soc., v, 15, Ariz.,
1874; SKINNER, C. no. 15. Nev.
a. cærulescens HOLLAND, Ent. News, xi, 332, 1900.
b. nigrocærulea COCKERELL, Ent. News, xi, 622,
1900.
98. *lito* BEHR, Proc. Cal. Acad. Sci., ii, 173, 1862; Pac. States,
SKINNER, C. no. 16. Col.
syn. *charlottii* BARNES, SKINNER, C. no. 18
99. *cybele* FABRICIUS, Syst. Ent., 516, 1775; SKINNER, Atl.
C. no. 17. States.
syn. *daphnis* CRAMER, *baal* STRECKER.
a. carpenterii EDWARDS, Trans. Am. Ent. Soc., v,
204, 1876.
100. *aphrodite* FABRICIUS, Mant. Ins., ii, 62, 1767; Atl. States,
SKINNER, C. no. 19. Rocky Mts
syn. *daphnis* MARTYN, *cypris* EDWARDS, *nausicaa* EDWARDS.
a. alcestis EDWARDS, Trans. Am. Ent. Soc., v, 289,
1876.
101. *lais* EDWARDS, Can. Ent., xv, 209, 1883; SKIN- Brit. Am.
NER, C. no. 21.
102. *atlantis* EDWARDS, Proc. Nat. Acad. Sci. Phil., 54, Atl.
1862; SKINNER, C. no. 22. States.
103. *hippolyta* EDWARDS, Can. Ent., xi, 81, 1879; SKIN- Oreg., Cal.
NER, C. no. 28.
a. oweni EDWARDS, Can. Ent., xxiv, 105, 1892;
SKINNER, C. no. 23.
- *104. *cornelia* EDWARDS, Can. Ent., xxiv, 106, 1892; - Col.
SKINNER, C. no. 24.
105. *electa* EDWARDS, Field & Forest, iii, 143, 1878; Rocky
SKINNER, C. no. 25. Mts.

106. *columbia* HY. EDWARDS, Pacific Coast Lep., no. 26, 1877; SKINNER, C. no. 26. Brit. Col.
107. *hesperis* EDWARDS, Proc. Ent. Soc. Phil., ii, 502, 1864; SKINNER, C. no. 27. Rocky Mts.
108. *bremnerii* EDWARDS, Trans. Am. Ent. Soc., iv, 63, 1872; SKINNER, C. no. 29. Pac. States.
109. *zerene* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 303, 1852; SKINNER, C. no. 30. Cal., Nev.
syn. *hydaspæ* BOISDUVAL.
110. *monticola* BEHR, Proc. Cal. Acad. Sci., ii, 175, 1862; SKINNER, C. no. 31. Pac. States.
a. purpurascens HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 170, 1876.
111. *rhodope* EDWARDS, Trans. Am. Ent. Soc., v, 13, 1874; SKINNER, C. no. 32. Brit. Am.
112. *behrensii* EDWARDS, Trans. Am. Ent. Soc., ii, 370, 1869; SKINNER, C. no. 33. Cal.
113. *halcyone* EDWARDS, Butt., i, 83, 1869; SKINNER, C. no. 34. Rocky Mts.
114. *platina* SKINNER, Can. Ent., xxix, 154, 1897; C. no. 36. Rocky Mts.
115. *coronis* BEHR, Proc. Cal. Acad. Sci., ii, 173, 1862; SKINNER, C. no. 37. Cal., Brit. Am.
syn. *juba* BOISDUVAL.
116. *callippe* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 302, 1852; SKINNER, C. no. 39. Cal.
117. *snyderi* SKINNER, Can. Ent., xxix, 154, 1897; C. no. 38. Utah, Idaho.
118. *nevadensis* EDWARDS, Trans. Am. Ent. Soc., iii, 14, 1870; SKINNER, C. no. 40. Rocky Mts.
a. meadii EDWARDS, Trans. Am. Ent. Soc., v, 69, 1872.
119. *edwardsii* REAKIRT, Proc. Ent. Soc. Phil., vi, 137, 1866; SKINNER, C. no. 41. Rocky Mts.
syn. *aglaia* EDWARDS.
- *120. *chitone* EDWARDS, Can. Ent., xi, 72, 1879; SKINNER, C. no. 35. Rocky Mts.
121. *liliana* HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 170, 1876; SKINNER, C. no. 42. Cal., Utah.
a. baroni EDWARDS, Trans. Am. Ent. Soc., ix, 3, 1881.

122. *rupestris* BEHR, Proc. Cal. Acad. Sci., ii, 175
1862; SKINNER, C. no. 43. Cal.,
Utah.
syn. *irene* EDWARDS.
a. irene BOISDUVAL, Ann. Soc. Ent. Belg., xii,
59, 1869.
- *123. *laura* EDWARDS, Can. Ent., xi, 49, 1879; SKIN- Cal.,
NER, C. no. 49. Nev.
124. *semiramis* EDWARDS, Can. Ent., xviii, 61, 1886; Cal.
SKINNER, C. no. 46.
- *125. *inornata* EDWARDS, Trans. Am. Ent. Soc., iv, 64, Cal.,
1872; SKINNER, C. no. 47. Nev.
- *126. *atossa* EDWARDS, Butt. N. A., iii, pl. 8, Arg., Cal.
1890; SKINNER, C. no. 48.
127. *adiaste* BEHR, Proc. Cal. Acad. Sci., ii, 175, 1862; Cal.
SKINNER, C. no. 49.
syn. *adiante* BOISDUVAL.
128. *eurynome* EDWARDS, Trans. Am. Ent. Soc., iv, Rocky Mts.,
66, 1872; SKINNER, C. no. 55. Cal.
syn. *macaria* EDWARDS; SKINNER, C. no. 45;
SNYDER, Occ. Mem. Chic. Ent. Soc., i, 11,
1900.
a. erinna EDWARDS, Can. Ent., xv, 33, 1883.
b. bischoffi EDWARDS, Trans. Am. Ent. Soc., iii,
189, 1870; SKINNER, C. no. 53.
c. artonis EDWARDS, Trans. Am. Ent. Soc., ix, 2,
1881; SKINNER, C. no. 50.
d. clio EDWARDS, Trans. Am. Ent. Soc., v, 106,
1874; SKINNER, C. no. 51.
syn. *opis* EDWARDS; SKINNER, C. no. 52.
e. arge STRECKER, Cat. Lep., 114, 1878; SKINNER,
C. no. 54.
f. cunninghami OWEN, Ent. News, iv, 246, 1893.
129. *montivaga* BEHR, Proc. Cal. Acad. Sci., ii, 174, Cal.,
1862; SKINNER, C. no. 56. Nev.
130. *egleis* BOISDUVAL, Ann. Soc. Ent. Belg., xii, 59, Cal.,
1869; SKINNER, C. no. 57. Nev.
syn. *mormonia* BOISDUVAL, *neoquis* REAKIRT

BRENTHIS Hübner.

HÜBNER, Verz. bek. Schmett., 30, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
128, 1875.

131. *myrina* CRAMER, Pap. Exot., ii, pl. 189, f. B, 1779; No.
SKINNER, C. no. 58. U. S.
syn. *myrissa* GODART.

132. **pales** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien., 177, 1776; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 210, 1901. Eur., Alaska.
a. alaskensis HOLLAND, Ent. News, xi, 383, 1900.
- *133. **youngi** HOLLAND, Ent. News, xi, 283, 1900. Alaska.
134. **tricularis** HÜBNER, Samml. ex. Schmiett., ii, 1824; SKINNER, C. no. 59. Arctic Am., Col.
 syn. *ossianus* BOISDUVAL.
135. **helena** EDWARDS, Trans. Am. Ent. Soc., iii, 268, 1871; SKINNER, C. no. 60. Rocky Mts.
136. **montinus** SCUDDER, Proc. Ess. Ins., iii, 166, 1862; SKINNER, C. no. 61. N. H.
137. **chariclea** SCHNEIDER, Neu. Mag., v, 588, 1794; SKINNER, C. no. 62. Arctic Am., Eur.
a. arctica ZETTERSTEDT, Ins. Lap., 899, 1828.
b. obscurata McLACHLAN, Jn. Linn. Soc., xiv, 110, 1878.
 syn. *butlerii* EDWARDS.
c. boisduvalii DUPONCHEL, Lep. Fr., suppl., 1, pl. 20, f. 4, 1832; SKINNER, C. no. 64.
138. **freiija** THUNBERG, Diss. Ent. Suec., ii, 34, 1791; SKINNER, C. no. 65. Eur., Col.
 syn. *freya* HERRICH-SCHAEFFER, *lapponica* ES-
 PER.
a. tarquinius CURTIS, Ross Nar. Second Voy. N.-W. Pass., app., 68, 1835.
139. **polaris** BOISDUVAL, Ind. Méth., 15, 1829; SKINNER, C. no. 67. Arctic Am.
140. **frigga** THUNBERG, Diss. Ent. Suec., ii, 33, 1791; SKINNER, C. no. 68. Arctic Am.
a. saga KADEN, Stett. ent. Zeit., 350, 1861.
b. improba BUTLER, Ent. Mo. Mag., xiii, 206, 1877; SKINNER, C. no. 66.
141. **bellona** FABRICIUS, Syst. Ent., 517, 1775; SKINNER, C. no. 69. Atl. States.
 syn. *myrina* MARTYN.
142. **epithore** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 58, 1869; SKINNER, C. no. 70. Pac. States.
a. kreimhild STRECKER, Rept. Surv. Dept. Mo., RUFFNER, app., 1854, 1879.
- *143. **alberta** EDWARDS, Can. Ent., xxii, 113, 1890; SKINNER, C. no. 71. Alberta.
- *144. **astarte** DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., pl. 53, f. 5, 1848; SKINNER, C. no. 72. Alberta.
 syn. *victoria* EDWARDS.

APATURA Fabricius.

FABRICIUS, Ill. Mag., vi, 280, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 115, 1875.

145. **missippus** LINNÆUS, Mus. Ulr., 264, 1764; SKINNER, C. no. 160. Fla., Africa, India, etc.

syn. *discippus* FABRICIUS.

EUPHYDRYAS Scudder.

SCUDDER, Syst. Rev., 27, 1872; Proc. Am. Acad. Arts & Sci., x, 172, 1875.

146. **phaeton** DRURY, Ill. Exot. Ent., i, pl. 21, 1767; Atl. States.
SKINNER, C. no. 73.

syn. *phaetana* HÜBNER, *phaetoneta* GODART,
phaedon HERRICH-SCHAEFFER, *superba*
STRECKER, *phaethusa* HULST, *streckeri* ELLS-
WORTH, Ent. News, xiii, 104, 1902.

LEMONIAS Hübner.

HÜBNER, Tent., 1, 1806; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 203, 1875.

147. **cooperi** BEHR, Proc. Cal. Acad. Sci., iii, 90, 1863; Pac. States.
SKINNER, C. no. 74.

syn. *perdiccas* EDWARDS.

148. **chalcedon** DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., i, 180, 1847; SKINNER, C. no. 75. Pac. States.

a. dwinellei HY. EDWARDS, Pap., i, 51, 1881.

b. fusimacula BARNES, Can. Ent., xxxii, 42, 1900.

c. mariana BARNES, Can. Ent., xxxii, 42, 1900.

149. **macglashani** RIVERS, Proc. Cal. Acad. Sci., (2), Cal.
i, 103, 1889; SKINNER, C. no. 76.

150. **colon** EDWARDS, Pap., i, 45, 1881; SKINNER, C. Wash.,
no. 77. Oreg.

151. **ancia** DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., i, 179, 1848; SKINNER, C. no. 78. Rocky
Mts.,

a. beani SKINNER, Can. Ent., xxix, 155, 1897. Pac. States.

b. brucei EDWARDS, Can. Ent., xx, 81, 1888.

151. 1. **maria** SKINNER, Can. Ent., xxxi, 12, 1899. Utah.

152. **nubigena** BEHR, Proc. Cal. Acad. Sci., iii, 91, Rocky
1863; SKINNER, C. no. 79. Mts.,

a. wheeleri HY. EDWARDS, Pap., i, 52, 1881. Cal.

syn. *capella* BARNES.

153. **gillettei** BARNES, Can. Ent., xxix, 40, 1897; SKIN- Wyo.
NER, C. no. 80.

154. **quino** BEHR, Proc. Cal. Acad. Sci., iii, 90, 1863; SKINNER, C. no. 81. Cal.
- *155. **augusta** EDWARDS, Can. Ent., xxii, 21, 1890; SKINNER, C. no. 82. Cal.
156. **baroni** HY. EDWARDS, Pap., i, 52, 1881; SKINNER, C. no. 83. Cal.
157. **rubicunda** HY. EDWARDS, Pap., i, 52, 1881; SKINNER, C. no. 84. Cal.
158. **taylori** EDWARDS, Can. Ent., xx, 82, 1888; SKINNER, C. no. 85. Brit. Col.
159. **editha** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 304, 1852; SKINNER, C. no. 86. Cal.
syn. *anicia* SCUDDER.
- *160. **helvia** SCUDDER, Proc. Bost. Soc. Nat. Hist., xii, 405, 1869; SKINNER, C. no. 87; HOLLAND, Ent. News, xi, 384, 1900. Alaska.
161. **sterope** EDWARDS, Trans. Am. Ent. Soc., iii, 190, 1870; SKINNER, C. no. 88. Oreg.
- *162. **acastus** EDWARDS, Trans. Am. Ent. Soc., v, 16, 1874; SKINNER, C. no. 89. Rocky Mts.
163. **neumoegeni** SKINNER, Ent. News, vi, 113, 1895; C. no. 90. Utah.
164. **palla** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 305, 1852; SKINNER, C. no. 91. Rocky Mts., Pac. States.
- *165. **whitneyi** BEHR, Proc. Cal. Acad. Sci., iii, 88, 1863; SKINNER, C. no. 92. Cal., Nev.
syn. *pola* BOISDUVAL.
166. **hoffmanni** BEHR, Proc. Cal. Acad. Sci., iii, 89, 1863; SKINNER, C. no. 93. Pac. States.
a. helcita BOISDUVAL, Ann. Soc. Ent. Belg., xii, 55, 1869. Rocky Mts.
167. **gabbii** BEHR, Proc. Cal. Acad. Sci., iii, 89, 1863; SKINNER, C. no. 94. Cal., Utah, Ariz.
syn. *sonoræ* BOISDUVAL.
- *168. **approximata** STRECKER, Lep. Rhop. Het., suppl. 3, 23, 1900. Tex.

CINCLIDIA Hübner.

HÜBNER, Verz. bek. Schmett., 29, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 142, 1875.

169. **harrisii** SCUDDER, Proc. Ess. Ins., iii, 167, 1862; SKINNER, C. no. 95. Atl. States.

170. *ulrica* EDWARDS, Can. Ent., ix, 189, 1877; SKINNER, C. no. 96 (as *clada* HEWITSON). Tex.
syn. *imitata* STRECKER.
171. *dymas* EDWARDS, Can. Ent., ix, 190, 1877; SKINNER, C. no. 97. Tex.
syn. *larunda* STRECKER.
172. *perse* EDWARDS, Pap., ii, 136, 1882; SKINNER, C. no. 98. Ariz.
173. *chara* EDWARDS, Can. Ent., xv, 209, 1883; SKINNER, C. no. 98. Ariz.
- *174. *albiplaga* AARON, Pap., iv, 175, 1884; SKINNER, C. no. 100. Tex.

THESSALIA Scudder.

SCUDDER, Bull. Buff. Soc., ii, 265, 1875.

175. *leanira* BOISDUVAL, Ann. Soc. Ent. Belg., xii, 27, 1869; SKINNER, C. no. 101. Pac. States,
a. obsoleta HY. EDWARDS, Proc. Cal. Acad. Sci., Rocky
vii, 171, 1876. Mts.
176. *wrightii* EDWARDS, Can. Ent., xviii, 64, 1886; SKINNER, C. no. 102. Cal.
177. *alma* STRECKER, Lep. Rhop. Het., 135, 1877; SKINNER, C. no. 103. Utah,
Ariz.
178. *theona* MÉNÉTRIES, Cat. Mus. Pét., i, 86, 1855. Tex., Col.
syn. *fulvia* EDWARDS, Can. Ent., xi, 117, 1879;
SKINNER, C. no. 104.
178. 1. *cyneas* GODMAN & SALVIN, Biol. Cent. Am., Lep. Mex.,
Rhop., i, 191, 1882. Ariz.
179. *thekla* EDWARDS, Trans. Am. Ent. Soc., iii, 191, 1870; SKINNER, C. no. 105. Cal. to
Tex.
180. *bollii* EDWARDS, Field & Forest, iii, 01, 1877; SKINNER, C. no. 106. Tex.,
Ariz.
181. *definita* AARON, Pap., iv, 176, 1884; SKINNER, C. no. 107. Tex.

SCHÆNIS Hübner.

HÜBNER, Verz. bek. Schmett., 28, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 266, 1875.

182. *minuta* EDWARDS, Proc. Acad. Nat. Sci. Phil., 161, 1861; SKINNER, C. no. 108. Rocky
Mts.
183. *arachne* EDWARDS, Trans. Am. Ent. Soc., ii, 372, 1869; SKINNER, C. no. 109. Rocky
Mts.
184. *nympha* EDWARDS, Pap., iv, 53, 1884; SKINNER, C. no. 110. Ariz.

CHARIDRYAS Scudder.

SCUDDER, Syst. Rev., 26, 1872; Proc. Am. Acad. Arts & Sci., x, 139, 1875.

185. **nycteis** DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., 181, 1847; SKINNER, C. no. 111. Atl. States.

syn. *anone* SCUDDER, *harrisii* EDWARDS.

a. drusius EDWARDS, Pap., iv, 57, 1884.

186. **ismeria** BOISDUVAL & LE CONTE, Lép. Am. Sept., 168, 1833; SKINNER, C. no. 112. Rocky Mts.

syn. *carlota* REAKIRT.

PHYCIODES Hübner.

HÜBNER, Verz. bek. Schmett., 29, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 249, 1875.

187. **vesta** EDWARDS, Trans. Am. Ent. Soc., ii, 371, 1869; SKINNER, C. no. 113. Tex., Mex.

a. boucardi GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., i, 194, 1882.

188. **phaon** EDWARDS, Proc. Ent. Soc. Phil., ii, 505, 1864; SKINNER, C. no. 114. Gulf States.

189. **tharos** DRURY, Ill. Exot. Ent., i, 43, 1770; SKINNER, C. no. 115. Atl. States.

syn. *gorgone* HÜBNER, *morphea* GODART, *euclea* BERGSTRESSER, *marcia* EDWARDS, *packardii* SAUNDERS.

a. morpheus FABRICIUS, Syst. Ent., 550, 1775.

syn. *cocyta* CRAMER, *pharos* HARRIS.

190. **batesii** REAKIRT, Proc. Ent. Soc. Phil., v, 226, 1865; SKINNER, C. no. 116. Atl. States.

191. **pratensis** BEHR, Proc. Cal. Acad. Sci., iii, 86, 1863; SKINNER, C. no. 117. Pac. States.

syn. *campestris* BEHR, *pulchella* BOISDUVAL.

a. orseis EDWARDS, Trans. Am. Ent. Soc., iii, 206, 1871; SKINNER, C. no. 118.

192. **camillus** EDWARDS, Trans. Am. Ent. Soc., iii, 268, 1871; SKINNER, C. no. 119. Rocky Mts.

a. emissa EDWARDS, Trans. Am. Ent. Soc., iii, 269, 1871.

b. pallida EDWARDS, Proc. Ent. Soc. Phil., ii, 505, 1864.

c. mata REAKIRT, Proc. Ent. Soc. Phil., vi, 142, 1866.

193. **mylitta** EDWARDS, Proc. Acad. Nat. Sci. Phil., 160, 1861; SKINNER, C. no. 120. Rocky Mts., Pac. States.

syn. *collina* BEHR, *callina* BOISDUVAL, *epula* BOISDUVAL.

194. **barnesi** SKINNER, Can. Ent., xxix, 155, 1897; Col.
C. no. 121.
195. **montana** BEHR, Proc. Cal. Acad. Sci., iii, 85, 1863; Cal., Nev.
SKINNER, C. no. 122.
syn. *orsa* BOISDUVAL, *pratensis* SCUDDER.
196. **pieta** EDWARDS, Proc. Ent. Soc. Phil., iv, 201, Rocky Mts.,
1865; SKINNER, C. no. 123. Tex.
- syn. *canace* EDWARDS.

MICROTIA Bates.

BATES, Ent. Mo. Mag., i, 83, 1864.

196. 1. **elva** BATES, Ent. Mo. Mag., i, 83, 1864. Mex., Ariz.

ANTHANASSA Scudder.

SCUDDER, Bull. Buff. Soc., ii, 268, 1875.

197. **frisia** POEY, Cent. Lep. Cuba, 9, 1832; SKINNER, Fla.,
C. no. 124. Antilles.
- syn. *gyges* HEWITSON.
198. **texana** EDWARDS, Proc. Ent. Soc. Phil., ii, 81, Tex., Neb.,
1863; SKINNER, C. no. 125. Mex.
- syn. *cincta* EDWARDS, *smertdis* HEWITSON.
- *199. **tulcis** BATES, Ent. Mo. Mag., i, 82, 1864; SKIN- Ariz., Tex.,
NER, C. no. 126. Mex.
- syn. *punctata* EDWARDS, *archesilea* FELDER.

CHLOSZYNE Butler.

BUTLER, Cist. Ent., i, 38, 1870; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 141, 1875.

200. **janais** DRURY, Ill. Exot. Ent., iii, pl. 17, f. 5, Tex., Nev.,
1782; SKINNER, C. no. 127. Mex.
201. **lacinia** GEYER, HübNER, Zutr. exot. Schmett., Tex., Ariz.,
f. 899, 1837; SKINNER, C. no. 128. Mex.
- syn. *tellias* BATES, *quehata* REAKIRT, *ardema*
REAKIRT, *paupera* FELDER, *mediatrix* FEL-
DER, *miseria* FELDER, *pretoria* BOISDUVAL,
crocale EDWARDS, *adjutrix* SCUDDER.
- a. adelina* STAUDINGER, Verh. zool.-bot. Ges.
Wien, 102, 1875.
- b. saundersii* DOUBLEDAY & HEWITSON, Gen.
Diurn. Lep., i, 186, 1850.
- *202. **erodyle** BATES, Ent. Mo. Mag., i, 84, 1864; SKIN- Tex.,
NER, C. no. 129. Mex.

MESTRA Hübner.

HÜBNER, Samml. exot. Schmett., ii, 1826; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 217, 1875.

203. *amymone* MÉNÉTRIÉS, Cat. Mus. Pét., 123, 1857; Tex.,
SKINNER, C. no. 130. Mex.
- *204. *floridana* STRECKER, Lep. Rhop. Het., suppl. 3, Fla.
24, 1900.

POLYGONIA Hübner.

HÜBNER, Verz. bek. Schmett., 36, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 253, 1875.

205. *interrogationis* FABRICIUS, Ent. Syst., sup., 424, Atl.
1798; SKINNER, C. no. 131. States.
syn. *fabricii* EDWARDS.
a. umbrosa LINTNER, Trans. Am. Ent. Soc., ii,
313, 1869.
206. *comma* HARRIS, Ins. Inj. Veg., 221, 1842; SKIN- Atl.
NER, C. no. 132. States.
syn. *harrisii* EDWARDS.
a. dryas EDWARDS, Trans. Am. Ent. Soc., iii, 17,
1870.
207. *satyrus* EDWARDS, Trans. Am. Ent. Soc., ii, 374, Rocky
1869; SKINNER, C. no. 133. Mts.,
a. marsyas EDWARDS, Trans. Am. Ent. Soc., iii, Pac.
16, 1870. States.
- *208. *hylas* EDWARDS, Trans. Am. Ent. Soc., iv, 68, Col.
1872; SKINNER, C. no. 134.
209. *faunus* EDWARDS, Proc. Acad. Nat. Sci. Phil., No.
222, 1862; SKINNER, C. no. 136. U. S.
syn. *rusticus* EDWARDS; SKINNER, C. no. 135.
210. *silvius* EDWARDS, Trans. Am. Ent. Soc., v, 108, Cal.
1874; SKINNER, C. no. 137.
211. *zephyrus* EDWARDS, Trans. Am. Ent. Soc., iii, 16, Rocky Mts.,
1870; SKINNER, C. no. 138. Pac. States.
syn. *thiodamus* SCUDDER.
212. *gracilis* GROTE & ROBINSON, Ann. N. Y. Lyc. No.
Nat. Hist., viii, 432, 1867; SKINNER, C. no. 139. U. S.
syn. *c-argenteum* SCUDDER.
- *213. *oreas* EDWARDS, Trans. Am. Ent. Soc., ii, 373, Pac.
1869. States.
a. silenus EDWARDS, Trans. Am. Ent. Soc., iii, 15,
1870; SKINNER, C. no. 140

214. **progne** CRAMER, Pap. Exot., i, pl. 15, f. E, 1775; Atl. States,
SKINNER, C. no. 141. Pac. N.-W.
syn. *argenteum* KIRBY, *grogne* FABRICIUS.
a. l-argenteum SCUDDER, Bull. Buff. Soc., ii, 253,
1875.

EUGONIA Hübner.

HÜBNER, Verz. bek. Schmett., 36, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
170, 1875.

215. **j-album** BOISDUVAL & LE CONTE, Lép. Am. Sept., Atl.
185, 1833; SKINNER, C. no. 142. States.
syn. *auriomarginata* COCKERELL.
216. **californica** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Pac. States,
306, 1852; SKINNER, C. no. 144. Col.

EUVANESSA Scudder.

SCUDDER, Butt. E. U. S. & Can., i, 387, 1889.

217. **antiopa** LINNÆUS, Syst. Nat., 476, 1758; SKIN- U. S.,
NER, C. no. 143. Eur.
syn. *pompadour* POLLICH, *morio* LINNÆUS, *ob-*
scura COCKERELL, *hippolyta* LYMAN, *grandis*
EHRMAN, Can. Ent., xxxii, 348, 1900.
a. hygiæa HEYDENREICH, Verz. eur. Schmett.,
7, 1851.
syn. *lintnerii* FITCH.

AGLAIS Dalman.

DALMAN, Vetensk. Akad. Handl., xxxvii, 56, 64, 1816; SCUDDER, Proc. Am. Acad.
Arts & Sci., x, 105, 1875.

218. **milberti** GODART, Encl. Méth., ix, 307, 1819; SKIN- U. S.
NER, C. no. 145.
syn. *furcillata* SAY.
a. subpallida COCKERELL, Ent., 185, 1889.

VANESSA Fabricius.

FABRICIUS, Ill. Mag., vi, 281, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 287, 1875.

219. **atalanta** LINNÆUS, Syst. Nat., 478, 1758; SKIN- U. S.,
NER, C. no. 146. Eur.
syn. *admiralis* RETZIUS.
220. **huntera** FABRICIUS, Syst. Ent., 499, 1775; SKIN- U. S.,
NER, C. no. 147. Mex.
syn. *belladonna* PETIVER, *virginiensis* DRURY,
iole CRAMER, *hunteri* HÜBNER.
a. fulvia DODGE, Can. Ent., xxxii, 92, 1900.

221. *cardui* LINNÆUS, Syst. Nat., 475, 1758; SKINNER, C. no. 148. U. S., Eur. Asia, etc.
 syn. *carduelis* SEBA, *minor* COCKERELL, *lymi* RAMBUR, *ate* STRECKER.
222. *carye* HÜBNER, Samml. ex. Schmett., i. 1806; SKINNER, C. no. 149. Pac. States.
 syn. *charie* BLANCHARD, *muelleri* LETCHER.

JUNONIA Hübner.

- HÜBNER, Verz. bek. Schmett., 34, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 200, 1875.
223. *cœnia* HÜBNER, Samml. exot. Schmett., ii. 1825; SKINNER, C. no. 150. So. Atl. States.
 syn. *genovera* CRAMER, *orythia* SMITH & ABBOT, *larinia* GODART.

ANARTIA Hübner.

- HÜBNER, Verz. bek. Schmett., 33, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 111, 1875.
224. *jatrophæ* LINNÆUS, Mus. Lud. Ulr., 289, 1764; SKINNER, C. no. 152. Fla., So. Am.

VICTORINA Blanchard.

- BLANCHARD, Hist. Ins., iii, 447, 1840; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 288, 1875.
225. *steneles* LINNÆUS, Syst. Nat., 465, 1758; SKINNER, C. no. 151. Fla., So. Am.
 syn. *larinia* FABRICIUS.

HYPANARTIA Hübner.

- HÜBNER, Samml. exot. Schmett., ii, 1825; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 193, 1875.
226. *lethe* FABRICIUS, Ent. Syst., iii, 80, 1793; SKINNER, C. no. 153. Tex., So. Am.
 syn. *demonica* HÜBNER.

EUNICA Hübner

- HÜBNER, Verz. bek. Schmett., 61, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 171, 1875.
227. *monima* CRAMER, Pap. Exot., iv, pl. 387, f. F. 1782; SKINNER, C. no. 154. Tex., Fla., So. Am.
 syn. *myrta* GODART, *modesta* BATES.
228. *tatila* HERRICH-SCHAEFFER, Samml. ausser. Schmett., f. 69, 1855; SKINNER, C. no. 155. Fla., Mex.
 syn. *cærulea* GODMAN & SALVIN?

DIÆTHRIA Billberg.

BILLBERG, Enum. Ins., 78, 1820; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 269, 1875.

229. *clymena* CRAMER, Pap. Exot., i, pl. 24, f. E, 1775; Mex.
KIRBY, Cat. Diurn. Lep., 207, 1871.

AMPHICHLORA Felder.

FELDER, Neu. Lep., 19, 1861; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 109, 1875.

230. *fornax* HÜBNER, Samml. exot. Schmett., ii, 1824; Tex.,
KIRBY, Cat. Diurn. Lep., 207, 1871. Mex.
231. *feronia* LINNÆUS, Mus. Ulr., 283, 1764; KIRBY, Tex.,
Cat. Diurn. Lep., 215, 1871. Mex.

TIMETES Boisduval.

BOISDUVAL, Cuvier, Règ. An., ii, pl. 139, 1836; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 284, 1875.

232. *coresia* GODART, Enc. Méth., ix, 359, 1823; SKIN- Tex.,
NER, C. no. 156. Mex.
- syn. *zerynthia* HÜBNER, *sylla* PERTY.
233. *chiron* FABRICIUS, Syst. Ent., 452, 1775; SKIN- Tex.,
NER, C. no. 159. Mex.
- syn. *marius* CRAMER, *chironias* HÜBNER.

ATHENA Hübner.

HÜBNER, Verz. bek. Schmett., 36, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 123, 1875.

234. *peleus* SULZER, Abg. Gesch. Ins., pl. 13, f. 4, Fla.,
1776; SKINNER, C. no. 157. Mex.
- syn. *pectreus* CRAMER, *tethys* FABRICIUS.
235. *eleucha* HÜBNER, Samml. exot. Schmett., ii, 1824; Tex., Fla.,
SKINNER, C. no. 158. Antilles.
- syn. *pellenis* GODART.

BASILARCHIA Scudder.

SCUDDER, Syst. Rev., 8, 1872; Proc. Am. Acad. Arts & Sci., x, 126, 1875.

236. *astyanax* FABRICIUS, Syst. Ent., 447, 1775; SKIN- Atl. States,
NER, C. no. 161. Ariz.
- syn. *ephestion* STOLL, *ursula* GODART.
a. arizonensis EDWARDS, Pap., ii, 22, 1882.
b. cerulea EHRMAN, Can. Ent., xxxii, 348, 1900.
237. *arthemis* DRURY, Ill. Exot. Ent., ii, pl. 10, f. 3, No. Atl.
1773; SKINNER, C. no. 162. States.
- syn. *lamina* FABRICIUS.
a. proserpina EDWARDS, Proc. Ent. Soc. Phil., v,
148, 1865.



238. *weidemeyerii* EDWARDS, Proc. Acad. Nat. Sci. Phil., 162, 1861; SKINNER, C. no. 163. Rocky Mts.
a. sinefascia EDWARDS, Pap., ii, 22, 1882.
239. *archippus* CRAMER, Pap. Exot., i, pl. 16, f. A, 1779; SKINNER, C. no. 164. U. S.
 syn. *disippe* GODART.
a. pseudodorippus STRECKER, Cat. Lep., 143, 1878.
240. *floridensis* STRECKER, Cat. Lep., 143, 1878; SKINNER, C. no. 165. So. States.
 syn. *eros* EDWARDS.
241. *obsoleta* EDWARDS, Pap., ii, 22, 1882; SKINNER, C. no. 166. Utah, Ariz.
 syn. *hulstii* EDWARDS.
242. *lorquinii* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 301, 1852; SKINNER, C. no. 167. Pac. States.
a. eavesi HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 172, 1878.

LIMENITIS Fabricius.

FABRICIUS, Ill. Mag., vi, 281, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 206, 1875.

243. *bredowii* HÜBNER, Zutr. exot. Schmett., f. 825, 1837; SKINNER, C. no. 168. Pac. States.
 syn. *eulalia* DOUBLEDAY & HEWITSON.
a. californica BUTLER, Proc. Zool. Soc. Lond., 485, 1865.

CHLORIPPE Boisduval.

BOISDUVAL, in Doubleday List. Brit. Mus., 108, 1844; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 140, 1875.

244. *celtis* BOISDUVAL & LE CONTE, Lép. Am. Sept., 210, 1833; SKINNER, C. no. 169. So. Atl. States.
245. *antonia* EDWARDS, Field & Forest, iii, 103, 1877; SKINNER, C. no. 170. Rocky Mts.
a. montis EDWARDS, Pap., ii, 7, 1882.
246. *leilia* EDWARDS, Trans. Am. Ent. Soc., v, 103, 1874; SKINNER, C. no. 171. Ariz.
247. *alicia* EDWARDS, Butt. U. S., 135, 1868; SKINNER, C. no. 172. Gulf States.
248. *clyton* BOISDUVAL & LE CONTE, Lép. Am. Sept., 208, 1833; SKINNER, C. no. 173. Atl. States.
 syn. *ocellata* EDWARDS.
a. proserpina SCUDDER, Proc. Bost. Soc. Nat. Hist., xi, 401, 1868.

249. *flora* EDWARDS, Butt., ii, 1876; SKINNER, C. no. 174. Fla., Tex.
 *250. *cocles* LINTNER, Pap., iv, 141, 1884; SKINNER, C. Tex.
 no. 175.

SMYRNA Hübner.

- HÜBNER, Samml. exot. Schmett., ii, 1826; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
 269, 1875.
 251. *karwinskii* HÜBNER, Samml. exot. Schmett., ii, Mex.,
 1826; KIRBY, Cat. Diurn. Lep., 266, 1871. Tex.

CCEA Hübner.

- HÜBNER, Verz. bek. Schmett., 48, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
 144, 1875.
 *252. *acheronta* FABRICIUS, Syst. Ent., 501, 1775; Mex.
 KIRBY, Cat. Diurn. Lep., 264, 1871.
 syn. *codamus* CRAMER, *pherecydes* CRAMER.

HISTORIS Hübner.

- HÜBNER, Verz. bek. Schmett., 35, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
 192, 1875.
 253. *odius* FABRICIUS, Syst. Ent., 457, 1775; KIRBY, Fla.,
 Cat. Diurn. Lep., 263, 1871. So. Am.
 syn. *orion* FABRICIUS, *danae* CRAMER.

ANÆA Hübner.

- HÜBNER, Verz. bek. Schmett., 48, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
 111, 1875.
 254. *andria* SCUDDER, Bull. Buff. Soc., ii, 248, 1875; Miss.
 SKINNER, C. no. 176. Val.
 syn. *ops* DRUCE.
 255. *portia* FABRICIUS, Syst. Ent., 507, 1775; SKINNER, Fla.,
 C. no. 177. Antilles.
 *256. *morrisonii* EDWARDS, Pap., iii, 8, 1883; SKINNER, Ariz.
 C. no. 178.

Family AGAPETIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., 31-41, 1898.)

CERCYONIS Speyer.

- SPEYER, Bull. Buff. Soc., ii, 241, 1875; SCUDDER, Butt. E. U. S., i, 156, 1889.
 257. *pegala* FABRICIUS, Syst. Ent., 494, 1775; SKIN- So. Atl.
 NER, C. no. 210. States.
 syn. *pegula* HERBST.

258. *alope* FABRICIUS, Ent. Syst., iii, 1, 229, 1793; Atl. States.
SKINNER, C. no. 211.
a. texana EDWARDS, Can. Ent., xii, 23, 1880.
syn. *incana* EDWARDS.
b. boopis BEHR, Proc. Cal. Acad. Sci., iii, 164, 1864.
c. nephele KIRBY, Faun. Bor. Am., iv, 297, 1837
syn. *olympus* EDWARDS, *ariana* BOISDUVAL.
d. baroni EDWARDS, Can. Ent., xii, 91, 1880.
e. maritima EDWARDS, Can. Ent., xii, 23, 1880.
259. *wheeleri* EDWARDS, Trans. Am. Ent. Soc., iv, Cal., Ariz.,
343, 1873; SKINNER, C. no. 212. Utah.
syn. *hoffmani* STRECKER.
260. *gabbii* EDWARDS, Trans. Am. Ent. Soc., iii, 192, Oreg.,
1870; SKINNER, C. no. 213. Utah.
261. *meadii* EDWARDS, Trans. Am. Ent. Soc., iv, 70, Rocky Mts.
1872; SKINNER, C. no. 214.
262. *paulus* EDWARDS, Can. Ent., xi, 50, 1879; SKIN- Cal., Nev.
NER, C. no. 215.
263. *sylvestris* EDWARDS, Proc. Acad. Nat. Sci. Phil., Pac.
162, 1861; SKINNER, C. no. 216. States,
syn. *phocus* EDWARDS. Rocky Mts.
a. charon EDWARDS, Trans. Am. Ent. Soc., iv, 69,
1870; SKINNER, C. no. 216.
- *264. *cetus* BOISDUVAL, Ann. Soc. Ent. Belg., xii, 63, Cal.
1869; SKINNER, C. no. 217.
- *265. *sthenele* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Cal.
308, 1852, SKINNER, C. no. 218.

GYROCHEILUS Butler.

BUTLER, Ann. Mag. Nat. Hist., (3), xx, 267, 1867; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 182, 1875.

266. *tritonia* EDWARDS, Trans. Am. Ent. Soc., v, 18, Ariz.,
1874; SKINNER, C. no. 207. Mex.

EREBIA Dalman.

DALMAN, Vetensk. Acad. Handl., xxxvii, 58, 79, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 165, 1875.

267. *fasciata* BUTLER, Cat. Satyr. Brit. Mus., 92, 1868; Arctic Am.
SKINNER, C. no. 198.
268. *discoidalis* KIRBY, Faun. Bor. Am., iv, 298, 1837; Arctic Am.
SKINNER, C. no. 199.
269. *rossii* CURTIS, Ross Second Voy. N. W. Pass., Arctic Am.
app., 67, 1835; SKINNER, C. no. 200.

270. *disa* THUNBERG, Diss. Ent. Ins. Suec., ii, 37, 1791: Arctic Am.
KIRBY, Cat. Diurn. Lep., 67, 1871.
- a. mancinus* DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., 380, pl. 64, f. 2, 1851; SKINNER, C. no. 201.
271. *vidleri* ELWES, Trans. Ent. Soc. Lond., 195, 1898: Brit. Col., Wash.
SKINNER, C. no. 202.
272. *tyndarus* ESPER, Schmett. Eur., i, 2, pl. 67, f. 1, 1781; KIRBY, Cat. Diurn. Lep., 63, 1871. Col., N. M., Eur.
- a. callias* EDWARDS, Trans. Am. Ent. Soc., iii, 274, 1871; SKINNER, C. no. 203.
273. *epipsodea* BUTLER, Cat. Satyr. Brit. Mus., 80, 1868; SKINNER, C. no. 204. Rocky Mts., Alaska.
- syn. rhoda* EDWARDS.
- a. brucei* ELWES, Trans. Ent. Soc. Lond., 326, 1889.
- syn. sincocellata* SKINNER.
274. *sofia* STRECKER, Bull. Brook. Ent. Soc., iii, 35, 1880; SKINNER, C. no. 205. Rocky Mts., Alaska.
- syn. ethela* EDWARDS.
- a. alaskensis* HOLLAND, Ent. News, xi, 387, 1900.
275. *magdalena* STRECKER, Bull. Brook. Ent. Soc., iii, 25, 1880; SKINNER, C. no. 206. Col.
276. *youngi* HOLLAND, Ent. News, xi, 388, 1900. Alaska.

NEOMINOIS Scudder.

SCUDDER, Bull. Buff. Soc., ii, 241, 1875.

277. *ridingsii* EDWARDS, Proc. Ent. Soc. Phil., iv, 201, 1865; SKINNER, C. no. 208. Rocky Mts.
- syn. stretchii* EDWARDS.
278. *dionysius* SCUDDER, Bull. U. S. Geol. Surv., Hayden, iv, 254, 1878; SKINNER, C. no. 209. Utah, Ariz., Col.
- syn. ashtaroth* STRECKER.

COENONYMPHA Hübner.

HÜBNER, Verz. bek. Schmett., 65, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 145, 1875; SKINNER, Trans. Am. Ent. Soc., xxvi, 299, 1900.

279. *californica* DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., ii, 398, 1852; SKINNER, C. no. 189. Pac. States.
- syn. galactinus* BOISDUVAL, *ceres* BUTLER, *eryngii* HY. EDWARDS.
- a. pulla* HY. EDWARDS, Pap., i, 51, 1881.

280. **elko** EDWARDS, Can. Ent., xiii, 57, 1880; SKINNER, C. no. 190. Pac. States.
syn. *ampelos* EDWARDS; SKINNER, C. no. 193.
281. **ochracea** EDWARDS, Proc. Acad. Nat. Sci. Phil., 163, 1861; SKINNER, C. no. 192. Rocky Mts., So. Cal.
syn. *brenda* EDWARDS; SKINNER, C. no. 195.
282. **kodiak** EDWARDS, Trans. Am. Ent. Soc., ii, 375, 1869; SKINNER, C. no. 194. Alaska.
a. yukonensis HOLLAND, Ent. News, xi, 386, 1900.
283. **pamphilus** LINNÆUS, Syst. Nat., 472, 1758; SKINNER, C. no. 196. Cal., Asia.
syn. *pamphiloides* REAKIRT, *gardetta* DE LOCHIE, *nephela* HUFNAGEL, *menalcas* PODA.
- *284. **typhon** ROTTENBURG, Naturf., vi, 15, 1775; KIRBY, Cat. Diurn. Lep., 99, 1871. No. U. S., Eur.
a. laidon BORKHAUSEN, Eur. Schmett., i, 91, 29, 1788; SKINNER, C. no. 191.
syn. *inornata* EDWARDS.
285. **haydenii** EDWARDS, Rept. Hayden Expl. Surv. Mont., 467, 1872; SKINNER, C. no. 197. Rocky Mts.

ENODIA Hübner.

HÜBNER, Verz. bek. Schmett., 61, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 163, 1875.

286. **portlandia** FABRICIUS, Spec. Ins., ii, 82, 1781; SKINNER, C. no. 179. Atl. States.
syn. *andromacha* HÜBNER.
- *287. **creola** SKINNER, Ent. News, viii, 236, 1897; C. no. 180. So. States.

SATYRODES Scudder.

SCUDDER, Bull. Buff. Soc., ii, 242, 1875; Butt. E. U. S., i, 187, 1889.

288. **canthus** LINNÆUS, Syst. Nat., 768, 1767; SKINNER, C. no. 181. Atl. States.
syn. *boisduvalii* HARRIS.

CENEIS Hübner.

HÜBNER, Verz. bek. Schmett., 58, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 231, 1875.

289. **macounii** EDWARDS, Can. Ent., xvii, 71, 1885; SKINNER, C. no. 219. Can.
290. **nevadensis** FELDER, Reise Nov., iii, 89, 1867; SKINNER, C. no. 220. Pac. States.
syn. *gigas* BUTLER, *californica* BOISDUVAL, *iduna* EDWARDS.

NEONYMPHA Hübner.

HÜBNER, Verz. bek. Schmett., 65, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 225, 1875.

296. **gemma** HÜBNER, Zutr. exot. Schmett., i, f. 4, 1818; SKINNER, C. no. 182. So. States.

syn. *cornelius* GODART.

297. **henshawii** EDWARDS, Trans. Am. Ent. Soc., v, 205, 1876; SKINNER, C. no. 183. Rocky Mts.

298. **phocion** FABRICIUS, Sp. Ins., ii, 138, 1781; SKINNER, C. no. 184. So. States.

syn. *areolatus* SMITH & ABBOT, *helcita* HÜBNER.

CISSIA Doubleday.

DOUBLEDAY, List Brit. Mus., app., 33, 1848; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 143, 1875.

299. **eurytus** FABRICIUS, Syst. Ent., 487, 1775; SKINNER, C. no. 185. Atl. States.

syn. *cymela* CRAMER, *curytris* FABRICIUS.

300. **mitchelli** FRENCH, Can. Ent., xxi, 25, 1889; SKINNER, C. no. 186. Atl. States.

301. **sosybius** FABRICIUS, Ent. Syst., iii, 1, 219, 1793; SKINNER, C. no. 187. Atl. States.

syn. *camerta* CRAMER.

302. **rubricata** EDWARDS, Trans. Am. Ent. Soc., iii, 212, 1872; SKINNER, C. no. 188. Tex., Ariz., Mex.

EPINEPHELE Hübner.

HÜBNER, Verz. bek. Schmett., 59, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 164, 1875.

303. **xicaque** REAKIRT, Proc. Acad. Nat. Sci. Phil., 336, 1866; KIRBY, Cat. Diurn. Lep., 78, 1872; BARNES, Ent. News, x, 330, 1900. Mex., Ariz.

Family HELICONIDÆ.

APOSTRAPHIA Hübner.

HÜBNER, Verz. bek. Schmett., 13, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 116, 1875.

304. **charithonia** LINNÆUS, Syst. Nat., ii, 757, 1767; SKINNER, C. no. 6. Fla., Antilles.

Family ITHOMIDÆ.

DIRCENNA Doubleday.

DOUBLEDAY, Gen. Diurn. Lep., pl. 17, 1847; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 157, 1875.

305. *klugii* HÜBNER, Zutr. exot. Schmett., f. 801, 1837: Mex.,
SKINNER, C. no. 5. Tex.

MECHANITIS Fabricius.

FABRICIUS, Ill. Mag., vi, 284, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 212, 1875.

- *306. *californica* REAKIRT, Proc. Ent. Soc. Phil., v, 223, So.
1865; SKINNER, C. no. 4. Cal.

DYNOTHEA Reakirt.

REAKIRT, Proc. Ent. Soc. Phil., 222, 1866; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 160, 1875.

307. *lycaste* FABRICIUS, Ent. Syst., iii, 1, 161. 1793; Cal.,
SKINNER, C. no. 3. Mex.

a. negreta REAKIRT, Proc. Ent. Soc. Phil., v, 223,
1865.

Family LYMNADIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., pp. 1-2, 1898.)

ANOSIA Hübner.

HÜBNER, Verz. bek. Schmett., 16, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 113, 1875.

308. *plexippus* LINNÆUS, Syst. Nat., 471, 1758; SKIN- U. S.
NER, C. no. 1.

syn. archippus FABRICIUS, *erippus* CRAMER,
megalippe HÜBNER, *menippe* HÜBNER, *fumo-*
sus HULST, *pulchra* STRECKER, Lep. Rhop.
Het., suppl. 3, 21, 1900.

309. *berenice* CRAMER, Pap. Exot., iii, pl. 205, f. E. So.
1782; SKINNER, C. no. 2. States,
a. strigosa BATES, Ent. Mo. Mag., i, 32, 1864. So. Am.

LYCOREA Doubleday.

DOUBLEDAY, Gen. Diurn. Lep., 105, 1847; KIRBY, Cat. Diurn. Lep., 18, 1872.

310. *cleobæa* GODART, Enc. Méth., ix, 222, 1819; KIR- Fla.,
BY, Cat. Diurn. Lep., 18, 1872. So. Am.

a. atergatis DOUBLEDAY & HEWITSON, Gen. Diurn.
Lep., pl. 16, f. 1, 1847.

b. pales FELDER, Wien. ent. Mon., vi, 75, 1862.

Family LIBYTHEIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., p. 42, 1898.)

HYPATUS Hübner.

HÜBNER, Cat. Frank., 85, 1825; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 194, 1875.

311. *bachmani* KIRTLAND, Am. Journ. Sci., ii, 13, 336, Atl.
1852; SKINNER, C. no. 237. States.
312. *carinenta* CRAMER, Pap. Exot., ii, pl. 108, f. E, Tex.
1779; SKINNER, C. no. 238.
- a. larvata* STRECKER, Lep. Rhop. Het., 130, 1878.

Family RIODINIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., pp. 42-43, 1898.)

CHRYSOBIA Boisduval.

BOISDUVAL, Ann. Soc. Ent. Belg., xii, 52, 1869; SCUDDER, Bull. Buff. Soc., iii, 102, 1876.

313. *mormo* FELDER, Wien. ent. Mon., iii, 271, 1859; S.-W.
SKINNER, C. no. 239. U. S.
- syn. *dumeti* BEHR, *mormonia* BOISDUVAL.
314. *duryi* EDWARDS, Pap., ii, 47, 1882; SKINNER, C. New
no. 240. Mex.
315. *cythera* EDWARDS, Trans. Am. Ent. Soc., iv, 345, Ariz.,
1873; SKINNER, C. no. 241. Mex.
316. *virgulti* BEHR, Proc. Cal. Acad. Sci., iii, 178, So.
1865; SKINNER, C. no. 242. Cal.
- syn. *sonorensis* FELDER.

POLYSTIGMA Godman & Salvin.

GODMAN & SALVIN, Biol. Cent. Am., Lep. Het., i, 469, 1886.

317. *nais* EDWARDS, Trans. Am. Ent. Soc., v, 291, 1876; Rocky
SKINNER, C. no. 243. Mts.
318. *palmerii* EDWARDS, Trans. Am. Ent. Soc., iii, 195, Rocky
1870; SKINNER, C. no. 244. Mts.

EMESIS Fabricius.

FABRICIUS, Ill. Mag., vi, 287, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 162, 1875.

319. *zela* BUTLER, Ann. Mag. Nat. Hist., iv, 364, 1870; Ariz.,
SKINNER, C. no. 245. Mex.
- syn. *ares* EDWARDS.
- a. cleis* EDWARDS, Pap., ii, 137, 1882.

CALEPHELIS Grote & Robinson.

GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 310, 1869; SCUDDER, Proc. Am. Acad. Arts & Sci., 129, 1875.

320. *cænius* LINNÆUS, Syst. Nat., 1, 2, 796, 1767; So.
SKINNER, C. no. 246. States.
- syn. *cerea* HÜBNER, *virginiensis* BOISDUVAL,
pumila BOISDUVAL & LE CONTE, *cereus*
DOUBLEDAY.
321. *borealis* GROTE & ROBINSON, Ann. N. Y. Lyc. Atl.
Nat. Hist., viii, 351, 1866; SKINNER, C. no. 247. States.
322. *australis* EDWARDS, Field & Forest, iii, 87, 1877; Tex.,
SKINNER, C. no. 248. Ariz.
- syn. *gudeloupe* STRECKER.
- *323. *nemesis* EDWARDS, Trans. Am. Ent. Soc., iii, 212, So.
1871; SKINNER, C. no. 249. Cal.

CARIA Hübner.

HÜBNER, Zutr. exot. Schmett., 14, 1823; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., i, 447, 1886.

324. *melicerta* SCHAUS, Ent. Amer., vi, 18, 1890. Tex., Mex.

Family LYCENIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., pp. 43-60, 1898.)

EUMÆUS Hübner.

HÜBNER, Verz. bek. Schmett., 67, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 170, 1875.

325. *atala* POEY, Cent. Lep. Cuba, ii, 1832; SKINNER, Fla.,
C. no. 250. Cuba.
- syn. *toxa* Gray.
326. *minyas* HÜBNER, Samml. exot. Schmett., i, 1806; Tex.,
SKINNER, C. no. 251. Mex.
- syn. *godartii* BOISDUVAL, *toxana* BOISDUVAL.

HABRODIAS Scudder.

SCUDDER, Bull. Buff. Soc., iii, 113, 1876.

327. *grunus* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 289, Cal.,
1852; SKINNER, C. no. 252. Nev.

HYPAUROTIS Scudder.

SCUDDER, Bull. Buff. Soc., iii, 112, 1876.

328. *crysalus* EDWARDS, Trans. Am. Ent. Soc., iv, Cal.,
344, 1873; SKINNER, C. no. 253. Ariz., Utah.
- a. citima* HY. EDWARDS, Pap., i, 53, 1881.



ATLIDES Hübner.

HÜBNER, Verz. bek. Schmett., 80, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 124, 1875.

329. *halesus* CRAMER, Pap. Exot., ii, pl. 98, f. B. 1779; Gulf States
SKINNER, C. no. 254. to Cal.
syn. *dolichus* HÜBNER, *juanita* SCUDDER.

EUPSYCHE Scudder.

SCUDDER, Bull. Buff. Soc., iii, 112, 1876.

330. *m-album* BOISDUVAL & LE CONTE, Lép. Am. Sept., So. Atl.
86, 1833; SKINNER, C. no. 255. States, Mex.
syn. *pysche* BOISDUVAL & LE CONTE.
- *331. *telea* HEWITSON, Desc. Lyc., iv, no. 10, 1868; Fla.,
SKINNER, C. no. 256. Mex.
- *332. *martialis* HERRICH-SCHAEFFER, Corresp.-Blatt Fla.,
Regens., xviii, 164, 1864; SKINNER, C. no. 257. Cuba.
- *333. *hugon* GODART, Enc. Méth., ix, 640, 1843; SKIN- Fla.,
NER, C. no. 258. Antilles.
syn. *hugo* DOUBLEDAY & HEWITSON.
- *334. *jada* HEWITSON, Ill. Diurn. Lep., 87, 1870; SKIN- Ariz.,
NER, C. no. 259. Mex.

URANOTES Scudder.

SCUDDER, Bull. Buff. Soc., iii, 107, 1876.

335. *melinus* HÜBNER, Zutr. exot. Schmett., f. 121, U. S.
1818; SKINNER, C. no. 263.
syn. *hyperici* BOISDUVAL & LE CONTE, *favonius*
BOISDUVAL & LE CONTE, *humuli* HARRIS, *pan*
HARRIS, *silenus* DOUBLEDAY, *pudica* HY. ED-
WARDS.

THECLA Fabricius.

FABRICIUS, Ill. Mag., vi, 286, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 279,
1875.

336. *favonius* SMITH & ABBOT, Lep. Ins. Ga., i, 27, Gulf
1797; SKINNER, C. no. 260. States.
337. *autolyceus* EDWARDS, Trans. Am. Ent. Soc., iii, Tex.,
271, 1871; SKINNER, C. no. 261. Mo., Kans.
338. *alcestis* EDWARDS, Trans. Am. Ent. Soc., iii, 271, Tex.,
1871; SKINNER, C. no. 262. Ariz.
339. *acadica* EDWARDS, Proc. Acad. Nat. Sci. Phil., 55, No. States.
1862; SKINNER, C. no. 264. Nev., Ariz.
syn. *souhegan* WHITNEY.

340. **californica** EDWARDS, Proc. Acad. Nat. Sci. Phil., 233, 1862; SKINNER, C. no. 265. Pac. States.
syn. *borus* BOISDUVAL, *cygnus* EDWARDS.
- *341. **itys** EDWARDS, Pap., ii, 23, 1882; SKINNER, C. no. 266. Ariz.
- *342. **auretorum** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 288, 1852; SKINNER, C. no. 261. Cal.
343. **dryope** EDWARDS, Trans. Am. Ent. Soc., iii, 19, 1870; SKINNER, C. no. 268. Cal., Nev., Utah.
- *344. **sylvinus** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 287, 1852; SKINNER, C. no. 269. Cal.
345. **edwardsii** SAUNDERS, Can. Ent., i, 99, 1869; SKINNER, C. no. 270. No. States.
syn. *fabricii* KIRBY.
- *346. **wittfeldii** EDWARDS, Can. Ent., xv, 136, 1883; SKINNER, C. no. 271. Fla.
347. **calanus** HÜBNER, Samml. exot. Schmett., i, 1824; SKINNER, C. no. 272. Atl. States, Rocky Mts.
syn. *falacer* GODART, *inornata* GROTE & ROBINSON.
a. lorata GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 323, 1868.
- *348. **ontario** EDWARDS, Trans. Am. Ent. Soc., ii, 209, 1868; SKINNER, C. no. 273. No. Atl. States.
349. **liparops** BOISDUVAL & LE CONTE, Léop. Am. Sept., 99, 1833; SKINNER, C. no. 274. No. Atl. States, Rocky Mts.
syn. *strigosa* HARRIS.
- *350. **putnami** HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 143, 1876; SKINNER, C. no. 275. Utah.
- *351. **spadix** HY. EDWARDS, Pap., i, 53, 1881; SKINNER, C. no. 278. So. Cal.
- *352. **tetra** BEHR, Trans. Am. Ent. Soc., iii, 19, 1870; SKINNER, C. no. 277. Cal.
- *353. **chalcis** BEHR, Trans. Am. Ent. Soc., ii, 376, 1869; SKINNER, C. no. 278. Cal., Utah.
354. **sæpium** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 288, 1852; SKINNER, C. no. 279. Pac. States.
a. fulvescens HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 172, 1876. Col.
355. **nelsonii** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 43, 1869; SKINNER, C. no. 280. Cal., Col.
a. exoleta HY. EDWARDS, Pap., i, 53, 1881.
b. muirii HY. EDWARDS, Pap., i, 53, 1881.

356. *adenostomatis* HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 144, 1876; SKINNER, C. no. 281. Cal.
- *357. *tacita* HY. EDWARDS, Pap., i, 54, 1881; SKINNER, C. no. 282. Cal.
358. *spinetorum* BOISDUVAL, in Hewitson, Ill. Diurn. Lep., 94, pl. 45, f. 198, 1867; SKINNER, C. no. 283. Pac. States.
syn. *ninus* EDWARDS.
359. *blenina* HEWITSON, Desc. Lyc., xii, 29, 1868; SKINNER, C. no. 284. Vanc., Ariz., Mex.
syn. *sica* EDWARDS.
- *360. *castalis* EDWARDS, Trans. Am. Ent. Soc., iii, 208, 1871; SKINNER, C. no. 285. Tex.
- *361. *ilavia* BEUTENMÜLLER, Jn. N. Y. Ent. Soc., vii, 254, 1899. Tex.
syn. *mirabelle* BARNES, Can. Ent., xxxii, 43, 1900.

MITOURA Scudder.

SCUDDER, Syst. Rev., 31, 1872; Proc. Am. Acad. Arts & Sci., x, 220, 1875.

362. *damon* CRAMER, Pap. Exot., iv, pl. 90, f. C, 1782; SKINNER, C. no. 286. Atl. States.
syn. *gryneus* HÜBNER, *damastus* GODART, *smilacis* BOISDUVAL & LE CONTE, *auburniana* HARRIS.
a. discoidalis SKINNER, Can. Ent., xxix, 156, 1897.
- *363. *simæthis* DRURY, Ill. Exot. Ent., i, pl. 1, f. 3, 1770; SKINNER, C. no. 287. Tex., Mex.
syn. *sarita* SKINNER, *lycus* HÜBNER.
364. *acis* DRURY, Ill. Exot. Ent., i, pl. 1, f. 3, 1773; SKINNER, C. no. 288. Fla., Antilles.
syn. *mars* FABRICIUS.

CALYCOPIS Scudder.

SCUDDER, Bull. Buff. Soc., iii, 108, 1876.

365. *cecrops* FABRICIUS, Ent. Syst., iii, 1, 270, 1793; SKINNER, C. no. 289. So. States.
syn. *paucis* HÜBNER.

CALLICISTA Grote.

GROTE, Bull. Buff. Soc., iii, 107, 1876.

366. *columella* FABRICIUS, Ent. Syst., iii, 1, 282, 1793; SKINNER, C. no. 290. Atl. States, Mex.
syn. *eurytulus* HÜBNER, *modesta* MAYNARD, *ocellifera* GROTE, *istapa* REAKIRT, *salona* HEWITSON.

- *367. *clytie* EDWARDS, Field & Forest, iii, 88, 1877; SKINNER, C. no. 291. Tex., Ariz.
368. *leda* EDWARDS, Pap., ii, 23, 1882; SKINNER, C. no. 292. Ariz., Mex.
- *369. *ines* EDWARDS, Pap., ii, 25, 1882; SKINNER, C. no. 293. Ariz.

CALLIPSYCHE Scudder.

SCUDDER, Bull. Buff. Soc., iii, 106, 1876.

370. *behrii* EDWARDS, Trans. Am. Ent. Soc., iii, 18, 1870; SKINNER, C. no. 294. Rocky Mts., Pac. States.
syn. *kali* STRECKER.

INCISALIA Minot.

MINOT, Scudder, Syst. Rev., 31, 1872; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 196, 1875.

371. *augustus* KIRBY, Faun. Bor. Am., iv, 298, 1837; SKINNER, C. no. 295. No. Atl. States.
syn. *augustinus* WESTWOOD.
372. *iroides* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 289, 1852; SKINNER, C. no. 296. Pac. States.
373. *fotis* STRECKER, Lep. Rhop. Het., 129, 1878; SKINNER, C. no. 297. Ariz.
374. *irus* GODART, Enc. Méth., ix, 674, 1823; SKINNER, C. no. 298. Atl. States.
a. arsace BOISDUVAL & LE CONTE, Lép. Am. Sept., 103, 1833.
375. *mossi* HY. EDWARDS, Pap., i, 54, 1881. Vanc. Is.
376. *henrici* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 774, 1867; SKINNER, C. no. 299. W. Va.
377. *eryphon* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 290, 1852; SKINNER, C. no. 300. Cal., Col.
378. *niphon* HÜBNER, Zutr. exot. Schmett., f. 203, 1823; SKINNER, C. no. 301. Atl. States, Rocky Mts.

CALLOPHRYS Billberg.

BILLBERG, Enum. Ins., 80, 1820; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 132, 1875.

379. *affinis* EDWARDS, Proc. Acad. Nat. Sci. Phil., 223, 1862; SKINNER, C. no. 302. Utah.
380. *dumetorum* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 291, 1852; SKINNER, C. no. 303. Rocky Mts., Cal.
syn. *viridis* EDWARDS.

381. **apama** EDWARDS, Pap., ii, 137, 1882; SKINNER, Ariz.
C. no. 304.
382. **sheridanii** EDWARDS, Field & Forest, iii, 48, 1877; Rocky
SKINNER, C. no. 305. Mts.

ERORA Scudder.

SCUDDER, Syst. Rev., 32, 1872; Proc. Am. Acad. Arts & Sci., x, 166, 1875.

383. **læta** EDWARDS, Proc. Acad. Nat. Sci. Phil., 55, Mont.,
1862; SKINNER, C. no. 306. Col.
- syn. *clothilde* EDWARDS.

STRYMON Hübner.

HÜBNER, Verz. bek. Schmett., 74, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
271, 1875.

384. **titus** FABRICIUS, Ent. Syst., iii, 297, 1793; SKIN- Atl.
NER, C. no. 307. States.
- syn. *mopsus* HÜBNER.

FENISECA Grote.

GROTE, Trans. Am. Ent. Soc., ii, 308, 1869; SCUDDER, Proc. Am. Acad. Arts & Sci.,
x, 177, 1875.

385. **tarquinius** FABRICIUS, Ent. Syst., iii, 319, 1793; Atl.
SKINNER, C. no. 308. States.
- syn. *cratagi* BOISDUVAL & LE CONTE, *porsenna*
SCUDDER.

THARSALEA Scudder.

SCUDDER, Bull. Buff. Soc., iii, 125, 1876.

386. **arota** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 293, Cal.
1852; SKINNER, C. no. 309.
387. **virginiensis** EDWARDS, Trans. Am. Ent. Soc., iii, Cal., Nev.,
21, 1870; SKINNER, C. no. 310. Col.
- *388. **hermes** EDWARDS, Trans. Am. Ent. Soc., iii, 21, Cal.,
1870; SKINNER, C. no. 311. Nev.

GÆIDES Scudder.

SCUDDER, Bull. Buff. Soc., iii, 126, 1876.

389. **xanthoides** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Cal.
292, 1852; SKINNER, C. no. 312.
390. **dione** SCUDDER, Trans. Chic. Acad. Sci., i, 330, Miss.
1869; SKINNER, C. no. 313. Vall.
391. **editha** MEAD, Can. Ent., x, 198, 1878; SKINNER, Nev.
C. no. 314.
392. **gorgon** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Cal.
292, 1852; SKINNER, C. no. 315.

CHRYSOPHANUS Hübner.

HÜBNER, Verz. bek. Schmett., 72, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 141, 1875.

393. **thoe** BOISDUVAL, Gray Griff. An. King., pl. 56, f. 4, 1832; SKINNER, C. no. 316. Atl. States, Col.

EPIDEMIA Scudder.

SCUDDER, Bull. Buff. Soc., iii, 127, 1876.

394. **mariposa** REAKIRT, Proc. Ent. Soc. Phil., vi, 149, 1866; SKINNER, C. no. 317. Cal., Rocky Mts.
syn. *nivalis* BOISDUVAL.
395. **zero** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 45, 1869; SKINNER, C. no. 318. Cal., Col.
syn. *ianthe* EDWARDS.
396. **heloïdes** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 291, 1852; SKINNER, C. no. 319. Rocky Mts., Cal.
syn. *castro* REAKIRT.
397. **dorcas** KIRBY, Faun. Bor. Am., iv, 299, 1837; SKINNER, C. no. 321. Arctic Am.
a. **florus** EDWARDS, Can. Ent., xv, 210, 1883; SKINNER, C. no. 320; DYAR, Proc. Wash. Acad. Sci., ii, 489, 1900.
398. **epixanthe** BOISDUVAL & LE CONTE, Lép. Am. Sept., 127, 1833; SKINNER, C. no. 322. Atl. States.

HEODES Dalman.

DALMAN, Vet. Akad. Handl., xxxvii, 63, 91, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 187, 1875.

399. **hypophleas** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 291, 1852; SKINNER, C. no. 323. Atl. States.
syn. *phleas* BOISDUVAL & LE CONTE, *americana* D'URBAN, *fasciata* STRECKER, *fulliolus* HULST.
a. **fieldeni** McLACHLAN, Jn. Linn. Soc., xiv, 111, 1878.

CHALCERIA Scudder.

SCUDDER, Bull. Buff. Soc., iii, 125, 1876.

400. **cupreus** EDWARDS, Trans. Am. Ent. Soc., iii, 20, 1870; SKINNER, C. no. 324. Cal., Oreg.
401. **snowi** EDWARDS, Trans. Kans. Acad. Sci., vii, 69, 1881; SKINNER, C. no. 325. Rocky Mts.
- *402. **rubidus** EDWARDS, Proc. Ent. Soc. Phil., vi, 208, 1866; SKINNER, C. no. 326. Rocky Mts., Oreg.
a. **sirius** EDWARDS, Trans. Am. Ent. Soc., iii, 270, 1871; SKINNER, C. no. 327.

SATYRIUM Scudder.

SCUDDER, Bull. Buff. Soc., iii, 106, 1876.

403. *fuliginosa* EDWARDS, Proc. Acad. Nat. Sci. Phil., 164, 1861; SKINNER, C. no. 328. Cal., Nev., Utah.
syn. *suasa* BOISDUVAL.

CUPIDO Schrank.

SCHRANK, Faun. Boica, ii, i, 153, 206, 1801; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 149, 1875.

404. *heteronea* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 298, 1852; SKINNER, C. no. 329. Cal. to Col.
405. *clara* HY. EDWARDS, Pacific Coast Lep., no. 26. So. Cal. 1877; SKINNER, C. no. 330.
406. *lycea* EDWARDS, Proc. Ent. Soc. Phil., ii, 507, 1864; SKINNER, C. no. 331. Rocky Mts.
syn. *arapahoe* REAKIRT.
407. *fulla* EDWARDS, Trans. Am. Ent. Soc., iii, 194, 1870; SKINNER, C. no. 332. Pac. States.
syn. *fuliginosa* STRECKER.
408. *icarioides* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 297, 1852; SKINNER, C. no. 333. Cal.
syn. *pardalis* BEHR, *dædalus* BEHR, *erymus* BOISDUVAL, *mintha* EDWARDS.
a. maricopa REAKIRT, Proc. Acad. Nat. Sci. Phil., 245, 1866.
409. *sæpiolus* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 297, 1852; SKINNER, C. no. 334. Pac. States, Rocky Mts.
syn. *æhaja* BEHR, *rufescens* BOISDUVAL.
- *410. *amica* EDWARDS, Proc. Ent. Soc. Phil., ii, 80, 1863; SKINNER, C. no. 335. Brit. Am.
syn. *orbitulus* SCUDDER.
411. *pembina* EDWARDS, Proc. Acad. Nat. Sci. Phil., 224, 1862; SKINNER, C. no. 336. Brit. Am.
412. *pheros* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 297, 1852; SKINNER, C. no. 337. Pac. States, Rocky Mts.
a. evius BOISDUVAL, Ann. Soc. Ent. Belg., xii, 49, 1869.
- *413. *phileros* BOISDUVAL, Ann. Soc. Ent. Belg., xii, 50, 1869; SKINNER, C. no. 338. Cal., Ariz.
syn. *helios* EDWARDS.
- *414. *ardea* EDWARDS, Trans. Am. Ent. Soc., iii, 209, 1871; SKINNER, C. no. 339. Nev.

- *415. **kodiak** EDWARDS, Trans. Am. Ent. Soc., iii, 20, Alaska.
1870; SKINNER, C. no. 340.
- *416. **mela** STRECKER, Lep. Rhop. Het., suppl. 3, 20, Col., B. C.
1900.

NOMIADES Hübner.

HÜBNER, Verz. bek. Schmett., 67, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
228, 1875.

417. **xerces** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 296, Cal.
1852; SKINNER, C. no. 341.
418. **antiacis** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Cal., Nev.,
300, 1852; SKINNER, C. no. 342. Ariz.
syn. *polyphemus* BOISDUVAL, *oreus* EDWARDS.
a. behrii EDWARDS, Proc. Acad. Nat. Sci. Phil.,
224, 1862.
b. mertila EDWARDS, Proc. Ent. Soc. Phil., vi,
206, 1866.
419. **couperii** GROTE, Bull. Buff. Soc., i, 185, 1874; No.
SKINNER, C. no. 343. U. S.
- syn. *pembina* STRECKER, *afra* EDWARDS.
420. **lygdamas** DOUBLEDAY, Entom., 209, 1842; SKIN- So. Atl.
NER, C. no. 344. States,
a. oro SCUDDER, Can. Ent., viii, 23, 1876. Col., Cal.,
N. Mex.

PHÆDROTES Scudder.

SCUDDER, Bull. Buff. Soc., iii, 115, 1876.

421. **sagittigera** FELDER, Reise Novara, Lep., ii, 281, Rocky Mts.,
1865; SKINNER, C. no. 345. Cal.
syn. *catalina* REAKIRT, *lorquini* BEHR, *rhexa*
BOISDUVAL, *viaca* EDWARDS, *dawnia* ED-
WARDS.
- *422. **speciosa** HY. EDWARDS, Proc. Cal. Acad. Sci., So.
vii, 173, 1876; SKINNER, C. no. 346. Cal.

PHILOTES Scudder.

SCUDDER, Bull. Buff. Soc., iii, 116, 1876.

423. **sonorensis** FELDER, Reise Novara, Lep., ii, 281, So. Cal.,
1865; SKINNER, C. no. 347. Mex.
syn. *regia* BOISDUVAL.

AGRIADES Hübner.

HÜBNER, Verz. bek. Schmett., 68, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 105, 1875.

- *424. **podarce** FELDER, Reise Novara, Lep., ii, 282, 1865; Cal., Nev.,
SKINNER, C. no. 348. Col.
syn. *tchama* REAKIRT, *cilla* BEHR, *nestos* BOIS-
DUVAL, *orbitalus* STRECKER.
425. **aquilo** BOISDUVAL, Icon., 62, 1833; SKINNER, C. Arctic
no. 349. Am.
syn. *franklinii* CURTIS.
426. **rustica** EDWARDS, Proc. Ent. Soc. Phil., iv, 203, Col.,
1865; SKINNER, C. no. 350. Brit. Am.

RUSTICUS Hübner.

HÜBNER, Tent., i, 1806; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 264, 1875.

- *427. **enoptes** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Pac.
298, 1852; SKINNER, C. no. 351. States.
428. **glaucon** EDWARDS, Trans. Am. Ent. Soc., iii, 210, Col.
1871; SKINNER, C. no. 352.
429. **battoides** BEHR, Proc. Cal. Acad. Sci., iii, 282, Cal., Nev.,
1867; SKINNER, C. no. 353. Col.
430. **shasta** EDWARDS, Proc. Acad. Nat. Sci. Phil., Pac. States,
224, 1862; SKINNER, C. no. 354. Rocky Mts.
syn. *zelmira* FELDER, *calchas* BEHR, *nivium*
BOISDUVAL, *lupini* BEHR, *minchaha* SCUDDER.
431. **melissa** EDWARDS, Trans. Am. Ent. Soc., iv, 346, Rocky
1873; SKINNER, C. no. 355. Mts.
432. **scudleri** EDWARDS, Proc. Acad. Nat. Sci. Phil., Atl.
164, 1861; SKINNER, C. no. 356. States.
- *433. **lotis** LINTNER, 30th Rept. N. Y. Sta. Mus., 169, Cal.
1879; SKINNER, C. no. 357.
434. **acmon** DOUBLEDAY & HEWITSON, Gen. Diurn. Pac. States,
Lep., pl. 76, 1852; SKINNER, C. no. 358. Rocky Mts.
syn. *antagon* BOISDUVAL.
- *435. **aster** EDWARDS, Can. Ent., xiv, 194, 1882; SKIN- Newfound-
NER, C. no. 359. land.
436. **annetta** MEAD, Pap., ii, 48, 1882; SKINNER, C. Utah.
no. 360.
437. **anna** EDWARDS, Proc. Acad. Nat. Sci. Phil., 163, Pac. States,
1861; SKINNER, C. no. 361. Col.
syn. *cajoma* REAKIRT, *argyrotoxeus* BEHR, *phile-*
mon BOISDUVAL.

- *438. *neurona* SKINNER, Ent. News, xiii, 15, 1902. Cal.
 *439. *chlorina* SKINNER, Ent. News, xiii, 15, 1902. Cal.

CYANIRIS Dalman.

DALMAN, Vetensk. Akad. Handl., xxxvii, 63, 94, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 150, 1875.

440. *ladon* CRAMER, Pap. Exot., pl. 270, f. D, 1782; U. S.
 BUTLER, Can. Ent., xxxii, 91, 1900.
 syn. *pseudargiolus* BOISDUVAL & LE CONTE,
 Lép. Am. Sept., 118, 1833; SKINNER, C. no.
 362, *argiolus* SMITH & ABBOT, *intermedia*
 STRECKER, *echo* EDWARDS, *nigra* EDWARDS.
a. lucia KIRBY, Faun. Bor. Am., iv, 299, 1837.
b. marginata EDWARDS, Pap., iii, 86, 1883.
c. violacea EDWARDS, Proc. Ent. Soc. Phil., vi,
 201, 1866.
d. cinerea EDWARDS, Pap., iii, 83, 1883.
e. arizonensis EDWARDS, Butt. E. U. S., ii, pl. 2,
 Lyc., f. 18, 1884.
f. neglecta EDWARDS, Proc. Acad. Nat. Sci. Phil.,
 56, 1862.
g. piasus BOISDUVAL, Ann. Soc. Ent. Fr., (2), x,
 299, 1852.
h. gozora BOISDUVAL, Lép. Guat., 17, 1870.

EVERES Hübner.

HÜBNER, Verz. bek. Schmett., 69, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
 176, 1875.

441. *amyntula* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Pac.
 294, 1852; SKINNER, C. no. 363. States.
a. herrii GRINNELL, Can. Ent., xxxiii, 192, 1901.
 442. *comyntas* GODART, Enc. Méth., ix, 660, 1823; Atl. States.
 SKINNER, C. no. 364. Rocky Mts.
 *443. *monica* REAKIRT, Proc. Acad. Nat. Sci. Phil., 244, So.
 1866; SKINNER, C. no. 365. Cal.

HEMIARGUS Hübner.

HÜBNER, Verz. bek. Schmett., 69, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
 186, 1875.

444. *isola* REAKIRT, Proc. Acad. Nat. Sci. Phil., 332, Rocky
 1866; SKINNER, C. no. 366. Mts.
 syn. *zachæina* BUTLER & DRUCE, *alce* EDWARDS.
 445. *gyas* EDWARDS, Trans. Am. Ent. Soc., iii, 210, Ariz.
 1871; SKINNER, C. no. 367.

- *446. *cyna* EDWARDS, Trans. Am. Ent. Soc., ix, 3, 1881; Tex.
SKINNER, C. no. 368.
447. *hanno* STOLL, Pap. Exot., suppl., pl. 39, f. 2, 1790; Gulf
SKINNER, C. no. 369. States.
syn. *antibubastus* HÜBNER, *hamo* LUCAS, *pseudoptiletus* BOISDUVAL & LE CONTE, *astenidia* BOISDUVAL, *filenus* POEY.
448. *ammon* LUCAS, Sagra, Hist. Cuba, vi, 612, 1856; Fla.,
SKINNER, C. no. 372. Cuba.

BREPHIDIUM Scudder.

SCUDDER, Bull. Buff. Soc., iii, 123, 1876.

449. *isophthalma* HERRICH-SCHAEFFER, Corr.-Blatt. Fla.,
zool.-min. Ver. Reg., xvi, 141, 1862; SKINNER, Ga.
C. no. 370.
syn. *pseudofea* MORRISON.
450. *exilis* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 294, S.-W. U. S.,
1852; SKINNER, C. no. 371. Col.
syn. *fea* EDWARDS.

LEPTOTES Scudder.

SCUDDER, Bull. Buff. Soc., iii, 124, 1876.

451. *marina* REAKIRT, Proc. Acad. Nat. Sci. Phil., 87, S.-W.
1868; SKINNER, C. no. 373. U. S.
452. *theonus* LUCAS, Sagra, Hist. Cuba, vii, 611, 1856; Fla.,
SKINNER, C. no. 374. Cuba.
syn. *cassius* MORRISON.
- *453. *striata* EDWARDS, Field & Forest, iii, 86, 1877; Tex.,
SKINNER, C. no. 375. Wis.

Family MEGATHYMIIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., p. 99, 1898.)

MEGATHYMUS Scudder.

SCUDDER, Syst. Rev., 62, 1872; Proc. Am. Acad. Arts & Sci., x, 213, 1875.

454. *yuccæ* BOISDUVAL & LE CONTE, Lép. Am. Sept., So. States,
pl. 70, 1833; SKINNER, C. no. 643. Col., N. Mex.
syn. *coloradensis* RILEY.
455. *cofaqui* STRECKER, Proc. Acad. Nat. Sci. Phil., So. States,
148, 1876; SKINNER, C. no. 644. Col.
456. *streckeri* SKINNER, Can. Ent., xxvii, 179, 1895; Col., Tex.,
C. no. 645. Ariz.

457. *neumoegenii* EDWARDS, Pap., ii, 27, 1882; SKINNER, C. no. 645 (bis). Ariz., Mex.
457. 1. *ursus* POLING, Ent. News, xiii, 97, 1902. Ariz.

Family HESPERIIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., pp. 79-99, 1898.)

PYRRHOPYGA Hübner.

HÜBNER, Verz. bek. Schmett., 103, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 261, 1875.

458. *araxes* HEWITSON, Desc. Hesp., ii, 3, 1867; SKINNER, C. no. 642. Ariz., Mex.

AMBLYSCIRTES Scudder.

SCUDDER, Syst. Rev., 54, 1872; Proc. Am. Acad. Arts & Sci., x, 109, 1875.

459. *vialis* EDWARDS, Proc. Acad. Nat. Sci. Phil., 58, 1862; SKINNER, C. no. 565. No. U. S.
- *460. *nysa* EDWARDS, Can. Ent., ix, 191, 1877; SKINNER, C. no. 566. Tex.
syn. *similis* STRECKER.
- *461. *eos* EDWARDS, Trans. Am. Ent. Soc., iii, 276, 1871; SKINNER, C. no. 567. So. States.
- *462. *celia* SKINNER, Ent. News, vi, 113, 1895; C. no. 568. Fla.
463. *samoset* SCUDDER, Proc. Ess. Ins., iii, 176, 1862; SKINNER, C. no. 569. Atl. States.
syn. *hegon* SCUDDER, *nemoris* EDWARDS, *alternata* GROTE & ROBINSON.
464. *ænus* EDWARDS, Field & Forest, iii, 118, 1877; SKINNER, C. no. 570. S.-W. U. S.
- *465. *simius* EDWARDS, Trans. Am. Ent. Soc., ix, 6, 1881; SKINNER, C. no. 571. So. Cal., Ariz.
466. *cassus* EDWARDS, Pap., iii, 71, 1883; SKINNER, C. no. 572. Ariz.
467. *nanno* EDWARDS, Pap., ii, 142, 1882; SKINNER, C. no. 573. Ariz.
468. *textor* HÜBNER, Zutr. exot. Schmett., f. 515, 1825; SKINNER, C. no. 574. So. Atl. States.
syn. *oncko* SCUDDER, *wakulla* EDWARDS.

PAMPHILA Fabricius.

FABRICIUS, Ill. Mag., vi, 287, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 236, 1875.

469. *palæmon* PALLAS, Reise, i, 471, 1771; SKINNER, No. U. S.,
C. no. 465. Eur.

syn. *paniscus* FABRICIUS, *brontes* DENIS &
SCHIFFERMÜLLER, *mandan* EDWARDS, *meso-*
pano SCUDDER, *skada* EDWARDS.

- *470. *floridæ* MABILLE, Bull. Soc. Ent. Fr., 67, 1876; (Unknown.)
SKINNER, C. no. 90.

POTANTHUS Scudder.

SCUDDER, Syst. Rev., 54, 1872; Proc. Am. Acad. Arts & Sci., x, 256, 1875.

471. *dara* KOLLAR, Hügel's Kashmir, iv, 455, 1848; Asia.
SKINNER, C. no. 466. U. S.

syn. *mæsoides* BUTLER, *omaha* EDWARDS, *mingo*
EDWARDS, *californica* SCUDDER.

ANCYLOXYPHA Felder.

FELDER, Verh. zool.-bot. Ges. Wien, xii, 477, 1862; SCUDDER, Proc. Acad. Arts & Sci.,
x, 112, 1875.

472. *numitor* FABRICIUS, Ent. Syst., iii, 324, 1793; Atl.
SKINNER, C. no. 467. States.

syn. *puer* HÜBNER, *marginatus* HARRIS.

- *473. *longleyi* FRENCH, Can. Ent., xxix, 80, 1897; Ill.
SKINNER, C. no. 468.

- *474. *arene* EDWARDS, Trans. Am. Ent. Soc., iii, 214, Tex.,
1871; SKINNER, C. no. 470. Ariz.

COPÆODES Speyer.

SPEYER, Edwards Cat. Lep., 49, 56, 1877.

475. *procris* EDWARDS, Trans. Am. Ent. Soc., iii, 215, S.-W.,
1871; SKINNER, C. no. 469. U. S.

syn. *minima* EDWARDS, *candida* WRIGHT.

a. waco EDWARDS, Trans. Am. Ent. Soc., ii, 122,
1868.

476. *wrightii* EDWARDS, Can. Ent., xiv, 152, 1882; Cal.
SKINNER, C. no. 471.

477. *myrtis* EDWARDS, Pap., ii, 26, 1882; SKINNER, C. Ariz.
no. 472.

- *478. *eunus* EDWARDS, Pap., i, 47, 1881; SKINNER, C. Cal.
no. 473.

OARISMA Scudder.

SCUDDER, Syst. Rev., 54, 1872; Proc. Am. Acad. Arts & Sci., x, 231, 1875.

479. **garita** REAKIRT, Proc. Ent. Soc. Phil., vi, 150, Col., Dak.,
1866; SKINNER, C. no. 474. Br. Am.
syn. *hylaæ* EDWARDS.
480. **powescheik** PARKER, Am. Ent., ii, 271, 1870; SKIN- Ia., Ill.
NER, C. no. 475. to Utah.
- *481. **edwardsii** BARNES, Can. Ent., xxix, 42, 1897; Col.
SKINNER, C. no. 476.

POANES Scudder.

SCUDDER, Syst. Rev., 55, 1872; Proc. Am. Acad. Arts & Sci., x, 252, 1875.

482. **massasoit** SCUDDER, Proc. Ess. Ins., iii, 171, 1862; Atl. States,
SKINNER, C. no. 477. Col.
a. suffusa LAURENT, Ent. News, iii, 15, 1892.

ATRYTONE Scudder.

SCUDDER, Syst. Rev., 56, 1872; Proc. Am. Acad. Arts & Sci., x, 124, 1875.

483. **zabulon** BOISDUVAL & LE CONTE, Lép. Am. Sept., So. Atl.
pl. 76, f. 6, 1833; SKINNER, C. no. 478. States.
484. **hobomok** HARRIS, Ins. Inj. Veg., 313, 1862; SKIN- Atl.
NER, C. no. 479. States.
- a. pocahontas* SCUDDER, Proc. Ess. Ins., iii, 171,
1862.
syn. *quadraquina* SCUDDER.
485. **taxiles** EDWARDS, Trans. Am. Ent. Soc., ix, 5, S.-W.
1881; SKINNER, C. no. 480. U. S.
- *486. **uricola** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Cal.
350, 1852; SKINNER, C. no. 481.

ERYNNIS Schrank.

SCHRANK, Faun. Boica, ii, 1, 157, 1801; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 176,
1875.

487. **comma** LINNÆUS, Syst. Nat., 484, 1758; SKIN- No. U. S.,
NER, C. no. 482. Pac. States,
syn. *virgula* RETZIUS. Rocky Mts.,
Eur.
- a. oregonia* EDWARDS, Can. Ent., xv, 150, 1883.
- b. columbia* SCUDDER, Syst. Rev., 56, 1872.
- c. colorado* SCUDDER, Mem. Bost. Soc. Nat. Hist.,
349, 1874.

- d. idaho* EDWARDS, Can. Ent., xv, 148, 1883.
e. nevada SCUDDER, Mem. Bost. Soc. Nat. Hist.,
 ii, 347, 1874.
f. assiniboia LYMAN, Can. Ent., xxiv, 57, 1892.
g. laurentina LYMAN, Can. Ent., xxv, 58, 1893.
h. manitoboides FLETCHER, Rept. Ent. Soc. Ont.,
 19, 86, 1888.
i. juba SCUDDER, Syst. Rev., 77, 1872.
k. viridis EDWARDS, Can. Ent., xv, 147, 1883.
l. manitoba SCUDDER, Mem. Bost. Soc. Nat. Hist.,
 ii, 351, 1874.
488. *sassacus* HARRIS, Ins. Inj. Veg., 315, 1862; SKIN-
 NER, C. no. 483. Atl.
 States.
- *489. *harpalus* EDWARDS, Trans. Am. Ent. Soc., ix, 3,
 1881; SKINNER, C. no. 484. Nev.
490. *pawnee* DODGE, Can. Ent., vi, 44, 1884; SKINNER,
 C. no. 485. Neb.,
 Mont.
- *491. *ottoe* EDWARDS, Proc. Ent. Soc. Phil., vi, 207,
 1866; SKINNER, C. no. 486. Neb., Ind.
 Ter., Ariz.
- *492. *lasus* EDWARDS, Pap., iv, 54, 1884; SKINNER, C.
 no. 487. So.
 Ariz.
- *493. *cabelus* EDWARDS, Trans. Am. Ent. Soc., ix, 4,
 1881; SKINNER, C. no. 488. Nev.,
 Cal.
494. *napa* EDWARDS, Proc. Ent. Soc. Phil., iv, 202,
 1864; SKINNER, C. no. 489. Col.
 syn. *dacotah* EDWARDS.
- *495. *scudderi* SKINNER, Ent. News, x, 111, 1899. Col.
496. *metea* SCUDDER, Proc. Ess. Ins., iii, 177, 1862;
 SKINNER, C. no. 490. Atl.
 States.
 syn. *ridingsii* REAKIRT.
497. *rhesus* EDWARDS, Field & Forest, iii, 116, 1877;
 SKINNER, C. no. 491. Col.,
 Ariz.
498. *carus* EDWARDS, Can. Ent., xv, 34, 1883; SKINNER,
 C. no. 492. Tex.,
 Ariz.
499. *uncas* EDWARDS, Proc. Ent. Soc. Phil., ii, 19, 1863;
 SKINNER, C. no. 493. Atl. States.
 Ariz.
- *500. *licinus* EDWARDS, Trans. Am. Ent. Soc., iii, 276,
 1871; SKINNER, C. no. 494. Tex.
501. *attalus* EDWARDS, Trans. Am. Ent. Soc., iii, 276,
 1871; SKINNER, C. no. 495. So. Atl.
 States.
 syn. *seminole* SCUDDER, *slossonæ* SKINNER.
- *502. *yuma* EDWARDS, Trans. Am. Ent. Soc., iv, 346,
 1873; SKINNER, C. no. 496. Ariz.

ANTHOMASTER Scudder.

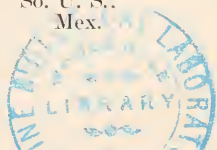
SCUDDER, Syst. Rev., 57, 1872; Proc. Am. Acad. Arts & Sci., x, 114, 1875.

503. **snowi** EDWARDS, Can. Ent., ix, 27, 1877; SKINNER, C. no. 497. Rocky Mts.
504. **leonardus** HARRIS, Ins. Inj. Veg., 314, 1862; SKINNER, C. no. 498. Atl. States.
- *505. **meskei** EDWARDS, Can. Ent., ix, 58, 1877; SKINNER, C. no. 499. Tex., Fla.
syn. *straton* EDWARDS.
506. **nemorum** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 314, 1852; SKINNER, C. no. 500. Cal.
syn. *yreka* EDWARDS.
507. **sylvanoides** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 313, 1852; SKINNER, C. no. 501. Pac. States, Col., Neb.
syn. *sonora* SCUDDER.
508. **agricola** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 314, 1852; SKINNER, C. no. 502. Cal., Nev. Wash.
- *509. **milo** EDWARDS, Can. Ent., xv, 34, 1883; SKINNER, C. no. 503. Oreg.
- *510. **pratincola** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 315, 1852; SKINNER, C. no. 504. Cal., Wash.
- *511. **verus** EDWARDS, Trans. Am. Ent. Soc., ix, 4, 1881; SKINNER, C. no. 505. Cal.

HYLEPHILA Billberg.

BILLBERG, Enum. Ins., 81, 1820; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 193, 1875.

512. **campestris** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 316, 1852; SKINNER, C. no. 506. Atl. States, Ariz., Cal.
syn. *huron* EDWARDS.
- *513. **stigma** SKINNER, Can. Ent., xxviii, 188, 1896; C. no. 507. Tex., N. Mex.
- *514. **morrisonii** EDWARDS, Field & Forest, iii, 116, 1878; SKINNER, C. no. 508. So. Cal., Ariz.
515. **phylæus** DRURY, Ill. Exot. Ent., i, pl. 13, f. 4, 1770; SKINNER, C. no. 509. So. U. S., Mex.
syn. *augias* HÜBNER, *bucephalus* STEPHENS.



THYMELICUS Hübner.

HÜBNER, Verz. bek. Schmett., 113, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 283, 1875.

516. **brettus** BOISDUVAL & LE CONTE, Lép. Am. Sept., Atl. States.
 pl. 75, 1833; SKINNER, C. no. 510.
 syn. *wingina* SCUDDER.
a. brettoides EDWARDS, Pap., iii, 71, 1881; SKINNER, C. no. 510.
- *517. **chusca** EDWARDS, Trans. Am. Ent. Soc., iv, 346, Ariz.
 1873; SKINNER, C. no. 511.
518. **draco** EDWARDS, Trans. Am. Ent. Soc., iii, 274, Col.,
 1871; SKINNER, C. no. 512. Brit. Am.
519. **otho** SMITH & ABBOT, Lep. Ins. Ga., i, 31, 1797; Atl. States.
 SKINNER, C. no. 514.
a. egeremet SCUDDER, Proc. Ess. Ins., iii, 174, 1862.
 syn. *etna* SCUDDER, *ursa* WORTHINGTON.
520. **mystic** SCUDDER, Proc. Ess. Ins., iii, 172, 1862; Atl. States.
 SKINNER, C. no. 516.
521. **siris** EDWARDS, Pap., i, 47, 1881; SKINNER, C. Wash.
 no. 517.
- *522. **mardon** EDWARDS, Pap., i, 47, 1881; SKINNER, C. Wash.
 no. 518.
523. **cernes** BOISDUVAL & LE CONTE, Lép. Am. Sept., Atl. States.
 pl. 56, f. 1, 1833; SKINNER, C. no. 519.
 syn. *ahaton* HARRIS, *taumas* SCUDDER.
- *524. **alcina** SKINNER, Ent. News, iv, 519, 1893; SKINNER, C. Col.
 no. 520 (=no. 554).

POLITES Scudder.

SCUDDER, Syst. Rev., 57, 1872; Proc. Am. Acad. Arts & Sci., x, 252, 1875.

525. **sabuleti** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Cal.,
 316, 1852; SKINNER, C. no. 513. N. Mex.
526. **peckius** KIRBY, Faun. Bor. Am., iv, 300, 1837; Atl. States.
 SKINNER, C. no. 515.
 syn. *wamsutta* HARRIS.
527. **baracoa** LUCAS, Sagra, Hist. Cuba, vi, 650, 1857; Fla.,
 SKINNER, C. no. 521. Cuba.
 syn. *amadis* HERRICH-SCHAEFFER, *myus* FRENCH.

EUPHYES Scudder.

SCUDDER, Syst. Rev., 69, 1872; Proc. Am. Acad. Arts & Sci., x, 172, 1875.

528. **verna** EDWARDS, Proc. Acad. Nat. Sci. Phil., 57, Atl.
1862; SKINNER, C. no. 523. States.
- syn. *pottawattomie* WORTHINGTON.
529. **vestris** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 317, U. S.
1852.
- syn. *kiowah* REAKIRT, *oscola* LINTNER.
- a. **metacomet** HARRIS, Ins. Inj. Veg., 317, 1862;
SKINNER, C. no. 524.
- syn. *rurea* EDWARDS.
530. **bellus** EDWARDS, Pap., iv, 57, 1884; SKINNER, C. So.
no. 525. Ariz.
- * 531. **osyka** EDWARDS, Trans. Am. Ent. Soc., i, 228, Gulf States,
1867; SKINNER, C. no. 556. Ind.
- *532. **comus** EDWARDS, Trans. Am. Ent. Soc., v, 206, Tex.,
1876; SKINNER, C. no. 557. So. Col.
- syn. *nilus* EDWARDS.
533. **eufala** EDWARDS, Trans. Am. Ent. Soc., ii, 311, Fla.,
1869; SKINNER, C. no. 558. Tex.
- *534. **arabus** EDWARDS, Pap., ii, 26, 1882; SKINNER, Ariz.
C. no. 559.
535. **fusca** GROTE & ROBINSON, Trans. Am. Ent. Soc., Atl.
i, 2, 1867; SKINNER, C. no. 560. States.
- *536. **oslari** SKINNER, Ent. News, x, 112, 1899. Col.
537. **nereus** EDWARDS, Trans. Am. Ent. Soc., v, 205, Ariz.
1876; SKINNER, C. no. 561.

LEREMA Scudder.

SCUDDER, Syst. Rev., 61, 1872; Proc. Am. Acad. Arts & Sci., x, 205, 1875.

538. **accius** SMITH & ABBOT, Lep. Ins. Ga., pl. 23, So. Atl.
1797; SKINNER, C. no. 526. States.
- syn. *monoco* SCUDDER, *nortonii* EDWARDS,
punctella GROTE & ROBINSON.
- *539. **loammi** WHITNEY, Can. Ent., viii, 76, 1876; SKIN- Fla.,
NER, C. no. 527. N. C.
- syn. *regulus* EDWARDS.
- *540. **horus** EDWARDS, Trans. Am. Ent. Soc., iii, 277, Tex.
1871; SKINNER, C. no. 528.
541. **deva** EDWARDS, Trans. Am. Ent. Soc., v, 292, 1876; So. Cal.,
SKINNER, C. no. 529. Ariz.

542. *lunus* EDWARDS, Pap., iv, 56, 1884; SKINNER, C. no. 530. So. Ariz.
543. *hianna* SCUDDER, Proc. Bost. Soc. Nat. Hist., xi, 382, 1868; SKINNER, C. no. 562. Atl. States.

OLIGORIA Scudder.

SCUDDER, Syst. Rev., 61, 1872; Proc. Am. Acad. Arts & Sci., x, 232, 1875.

544. *maculata* EDWARDS, Proc. Ent. Soc. Phil., iv, 201, 1865; SKINNER, C. no. 531. So. Atl. States.
- *545. *drurii* LATREILLE, Enc. Méth., ix, 763, 1823; SKINNER, Ent. News, xii, 171, 1901. Mex.

PRENES Scudder.

SCUDDER, Syst. Rev., 60, 1872; Proc. Am. Acad. Arts & Sci., x, 256, 1875.

546. *panoquin* SCUDDER, Proc. Ess. Ins., iii, 178, 1862; SKINNER, C. no. 532. So. Atl. States.
syn. *ophis* EDWARDS.
- *547. *panoquinoïdes* SKINNER, Ent. News, ii, 175, 1891; C. no. 533. Fla.
548. *ocola* EDWARDS, Proc. Ent. Soc. Phil., ii, 20, 1863; SKINNER, C. no. 534. So. Atl. States.
549. *errans* SKINNER, Ent. News, iii, 174, 1892; C. no. 535. Cal.

CALPODES Hübner.

HÜBNER, Verz. bek. Schmett., 107, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 135, 1875.

- *549. 1. *coscinia* HERRICH-SCHAEFFER, Corr.-Blatt. Regensb., xix, 54, 1865. Mex., Tex.
550. *ethlius* CRAMER, Pap. Exot., iv, pl. 392, f. A, 1782; SKINNER, C. no. 536. So. States.
syn. *chennis* FABRICIUS, *olyntus* BOISDUVAL & LE CONTE.
551. *pittacus* EDWARDS, Pap., ii, 138, 1882; SKINNER, C. no. 537. Ariz.
552. *python* EDWARDS, Pap., ii, 139, 1882; SKINNER, C. no. 538. Ariz.
- *553. *cestus* EDWARDS, Pap., iv, 57, 1884; SKINNER, C. no. 539. So. Ariz.
- *554. *rhena* EDWARDS, Field & Forest, iii, 115, 1877; SKINNER, C. no. 540. So. Cal.

LIMOCHROES Scudder.

- SCUDDER, Syst. Rev., 59, 1872; Proc. Am. Acad. Arts & Sci., x, 207, 1875.
555. **bimacula** GROTE & ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii, 433, 1867; SKINNER, C. no. 541. Atl. States.
syn. *acanoctus* SCUDDER, *illinois* DODGE.
556. **pontiac** EDWARDS, Proc. Ent. Soc. Phil., ii, 17, 1863; SKINNER, C. no. 542. Atl. States.
syn. *conspicua* EDWARDS, *orono* SCUDDER.
557. **manataaqua** SCUDDER, Proc. Ess. Ins., iii, 175, 1862; SKINNER, C. no. 522. U. S.
syn. *cernes* HARRIS.
- *558. **yehl** SKINNER, Ent. News, iv, 212, 1893; C. no. 543. So. Atl. States.
559. **dion** EDWARDS, Can. Ent., xi, 238, 1879; SKINNER, C. no. 544. Atl. States.
560. **arpa** BOISDUVAL & LE CONTE, Lép. Am. Sept., pl. 63, 1833; SKINNER, C. no. 548. Gulf States.
561. **palatka** EDWARDS, Trans. Am. Ent. Soc., i, 287, 1867; SKINNER, C. no. 549. Gulf States.
562. **byssus** EDWARDS, Can. Ent., xii, 224, 1880; SKINNER, C. no. 554. Fla., Tex.
- *563. **phylace** EDWARDS, Field & Forest, iii, 117, 1877; SKINNER, C. no. 555. So. Cal., Ariz.

PHYCANASSA Scudder.

- SCUDDER, Syst. Rev., 56, 1872; Proc. Am. Acad. Arts & Sci., x, 249, 1875.
564. **viator** EDWARDS, Proc. Ent. Soc. Phil., iv, 202, 1865; SKINNER, C. no. 563. Atl. States.
- *565. **carolina** SKINNER, Ent. News, iii, 222, 1892; C. no. 564. N. C.
566. **vitellius** FABRICIUS, Ent. Syst., iii, 1, 327, 1793; SKINNER, C. no. 545. Atl. States.
syn. *delaware* EDWARDS, *logan* EDWARDS, *hübneri* PLÖTZ.
- *567. **streckeri** SKINNER, Ent. News, iv, 212, 1893. Fla.
568. **howardi** SKINNER, Can. Ent., xxviii, 187, 1896. Fla.
569. **aaroni** SKINNER, Ent. News, i, 6, 1890; C. no. 551. So. Atl. States.
570. **melane** EDWARDS, Trans. Am. Ent. Soc., ii, 312, 1869; SKINNER, C. no. 552. Cal., Mex.

- *571. **lagus** EDWARDS, Trans. Am. Ent. Soc., ix, 5, 1881; Tex.,
SKINNER, C. no. 546. Col.
572. **arogos** BOISDUVAL & LE CONTE, Lép. Am. Sept., Gulf States,
pl. 76, f. 3, 1833; SKINNER, C. no. 553. Ia., Neb.
syn. *iowa* SCUDDER.

ERYCIDES Hübner.

HÜBNER, Verz. bek. Schmett., 110, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
166, 1875.

573. **urania** WESTWOOD & HEWITSON, Gen. Diurn. Tex.,
Lep., 510, 1852; SKINNER, C. no. 638. Mex.
syn. *texana* SCUDDER.
- *574. **lilea** REAKIRT, Proc. Acad. Nat. Sci. Phil., 339, Tex.,
1866; SKINNER, C. no. 639. Mex.
syn. *albicilla* HERRICH-SCHAEFFER, *cruentus*
SCUDDER, *sanguina* SCUDDER, *socius* BUTLER
& DRUCE, *decolor* MABILLE.
575. **batabano** LEFÈBRE, Sagra, Hist. Cuba, vii, 624, Fla.,
1867; SKINNER, C. no. 640. Cuba.
syn. *mancinus* HERRICH-SCHAEFFER, *okeechobee*
WORTHINGTON.
576. **amyntas** FABRICIUS, Syst. Ent., 533, 1775; SKIN- Fla., Ariz.,
NER, C. no. 641; Ent. News, xii, 171, 1901. Mex.
syn. *lividus* HÜBNER, *savignyi* LATREILLE.

EUDAMUS Swainson.

SWAINSON, Ill., ii, 48, 1832; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 169, 1875.

577. **proteus** LINNÆUS, Syst. Nat., 484, 1758; SKINNER, Atl.
C. no. 633. States.
578. **simplicius** STOLL, Suppl. Cramer, Pap. Exot., pl. Tex., Ariz.,
39, f. 6, 1791; SKINNER, C. no. 634. Mex.
a. eurycles LATREILLE, Enc. Méth., ix, 730, 1823;
SKINNER, Ent. News, xii, 171, 1901.
579. **dorantes** STOLL, Suppl. Cramer, Pap. Exot., pl. Tex.,
172, pl. 39, f. 9, 1790; GODMAN & SALVIN, Biol. Ariz.
Cent. Am., Lep. Rhop., ii, 278, 1893.
syn. *protillus* HERRICH-SCHAEFFER, *amisus*
HEWITSON, *rauterbergi* SKINNER, C. no. 635.
580. **albofasciatus** HEWITSON, Desc. Hesp., ii, no. 2, Tex., Ariz.,
1867; SKINNER, C. no. 636. Mex.
581. **dorus** EDWARDS, Pap., ii, 140, 1882; SKINNER, C. So. Ariz.,
no. 637. Mex.
582. **zilpa** BUTLER, Lep. Exot., pl. 40, f. 2, 1872; Ariz.,
SKINNER, Ent. News, xii, 171, 1901. So. Am.
583. **alcæus** HEWITSON, Desc. Hesp., 3, 1867; SKINNER, Ariz.,
Ent. News, xii, 171, 1901. So. Am.

EPARGYREUS Hübner.

HÜBNER, Verz. bek. Schmett., 105, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 163, 1875.

584. **tityrus** FABRICIUS, Syst. Ent., 532, 1775; SKINNER, C. no. 632. U. S.

HETEROPIA Mabille.

MABILLE, Le Nat., xi, 68, 1889; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 296, 1893.

- *585. **melon** GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 297, 1893. Ariz., Mex.

RHABDOIDES Scudder.

SCUDDER, Butt. E. U. S., iii, 1854, 1889.

586. **cellus** BOISDUVAL & LE CONTE, Léop. Am. Sept., pl. 73, 1833; SKINNER, C. no. 629. So. Atl. States, Ariz., Mex.
syn. *festus* HÜBNER.

- *587. **hesus** WESTWOOD & HEWITSON, Gen. Diurn. Lep., pl. 78, 1852; SKINNER, C. no. 630. Tex., Mex.

588. **zestos** HÜBNER, Zutr. exot. Schmett., f. 615, 1832; SKINNER, C. no. 631. Fla., So. Am.
syn. *oberon* WORTHINGTON.

PROTEIDES Hübner.

HÜBNER, Verz. bek. Schmett., 104, 1816.

589. **idas** CRAMER, Pap. Exot., iii, pl. 260, f. A, 1782; KIRBY, Cat. Diurn. Lep., 595, 1872; BARNES, Ent. News, x, 332, 1900. Ariz., Mex.
syn. *mercurius* FABRICIUS.

TELEGONUS Hübner.

HÜBNER, Verz. bek. Schmett., 104, 1816; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 305, 1893.

- *590. **hahneli** STAUDINGER, Exot. Tagf., 291, 1888; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 306, 1893; SKINNER, Ent. News, xii, 171, 1901. Mex.

ACHLARUS Scudder.

SCUDDER, Syst. Rev., 50, 1872; Proc. Am. Acad. Arts & Sci., x, 100, 1875.

591. **lycidas** SMITH & ABBOT, Lep. Ins. Ga., pl. 20, 1797; SKINNER, C. no. 628. Atl. States.
syn. *lyciades* HÜBNER.



THORYBES Scudder.

SCUDDER, Syst. Rev., 50, 1872; Proc. Am. Acad. Arts & Sci., x, 282, 1875.

592. *epigona* HERRICH-SCHAEFFER, Prodr., iii, 59, Tex.,
1868; SKINNER, C. no. 627. Ariz.
syn. *epigena* BUTLER, *orestes* LINTNER.
- *593. *coyote* SKINNER, Can. Ent., xxiv, 164, 1892. Tex.
594. *drusius* EDWARDS, Can. Ent., xv, 211, 1883; SKIN- So. Ariz.,
NER, C. no. 625. Mex.
595. *outis* SKINNER, Ent. News, v, 332, 1894. Tex.
596. *hippalus* EDWARDS, Pap., ii, 27, 1882; SKINNER. Ariz.,
C. no. 623. Mex.
597. *caicus* HERRICH-SCHAEFFER, Prodr., iii, 68, 1868; Ariz.,
SKINNER, C. no. 622. Mex.
syn. *schäfferi* PLÖTZ, *moschus* EDWARDS.
598. *æmilia* SKINNER, Ent. News, iv, 64, 1893; C. no. Oreg.
621.
599. *bathyllus* SMITH & ABBOT, Lep. Ins. Ga., pl. 22, So. Atl.
1797; SKINNER, C. no. 620. States.
600. *mexicana* HERRICH-SCHAEFFER, Prodr., iii, 68, Rocky Mts.,
1868; SKINNER, C. no. 619. Cal.
syn. *nevada* SCUDDER, *ananius* PLÖTZ.
601. *pylades* SCUDDER, Proc. Bost. Soc. Nat. Hist., Atl.
xiii, 207, 1870; SKINNER, C. no. 618. States.
- *602. *electra* LINTNER, Can. Ent., xiii, 63, 1881; SKIN- Ont.
NER, C. no. 617.

ACHYLODES Hübner.

HÜBNER, Verz. bek. Schmett., 107, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x,
100, 1875.

603. *thraso* HÜBNER, Samml. exot. Schmett., i, 1806; Tex.,
SKINNER, C. no. 616. Mex.
syn. *tamenund* EDWARDS.
- *604. *asychis* CRAMER, Pap. Exot., iv, pl. 334, f. E, Mex.
1782; SKINNER, Ent. News, xii, 171, 1901.

PHOLISORA Scudder.

SCUDDER, Syst. Rev., 51, 1872; Proc. Am. Acad. Arts & Sci., x, 249, 1875.

605. *catullus* FABRICIUS, Ent. Syst., iii, 348, 1793; U. S.
SKINNER, C. no. 608.
- *606. *mexicana* REAKIRT, Proc. Acad. Nat. Sci. Phil., Rocky Mts.,
334, 1866; SKINNER, C. no. 609. Mex.

607. **pirus** EDWARDS, Field & Forest, iii, 119, 1878; SKINNER, C. no. 610. Rocky Mts.
608. **ceos** EDWARDS, Pap., ii, 140, 1882; SKINNER, C. no. 611. Ariz., Mex.
609. **hayhurstii** EDWARDS, Trans. Am. Ent. Soc., iii, 22, 1870; SKINNER, C. no. 612. So. U. S.
610. **libya** SCUDDER, Bull. Geol. Surv. Terr., iv, 258, 1878; SKINNER, C. no. 613. Utah, Cal.
611. **alpheus** EDWARDS, Trans. Am. Ent. Soc., v, 206, 1876; SKINNER, C. no. 614. S.-W. U. S.
- *612. **lena** EDWARDS, Can. Ent., xiv, 5, 1882; SKINNER, C. no. 615. Mont.

SYSTASEA Butler.

BUTLER, in EDWARDS, Can. Ent., ix, 120, 1877; *Lintneria* EDWARDS (not BUTLER).

- *613. **pulverulenta** FELDER, Verh. zool.-bot. Ges. Wien, 478, 1869; SKINNER, C. no. 607. S.-W. U. S.
syn. *zampa* EDWARDS.

GRAIS Godman & Salvin.

GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 381, 1894.

- *614. **stigmaticus** MABILLE, Bull. Soc. Ent. Belg., liv, 1883; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 381, 1894; BARNES, Ent. News, x, 331, 1900. Ariz., Mex.

TIMOCHARES Godman & Salvin.

GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 417, 1896.

- *615. **ruptifasciatus** PLÖTZ, Jahrb. Nass. Ver., xxxvii, 27, 1884; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 418, 1896; SKINNER, Ent. News, xii, 171, 1901. Mex.

STAPHYLUS Godman & Salvin.

GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 429, 1896.

- *616. **brennus** GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 434, 1896. Mex.

THANAOS Boisduval.

BOISDUVAL, Icon., 240, 1832; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 279, 1875.

617. **brizo** BOISDUVAL & LE CONTE, Lép. Am. Sept., pl. 66, 1833; SKINNER, C. no. 586. Atl. States, Col., Ariz.

618. *icelus* LINTNER, 23 Rept. N. Y. Sta. Cab. Nat. Hist., 162, 1872; SKINNER, C. no. 587. Atl. States, Col., Ariz.
619. *somnus* LINTNER, Pap., i, 73, 1881; SKINNER, C. no. 588. Fla.
620. *lucilius* LINTNER, 23 Rept. N. Y. Sta. Cab. Nat. Hist., 162, 1872; SKINNER, C. no. 589. Atl. States.
621. *persius* SCUDDER, Proc. Ess. Ins., iii, 170, 1862; SKINNER, C. no. 590. Atl. States, Rocky Mts.
- *622. *ausonius* LINTNER, 23 Rept. N. Y. Sta. Cab. Nat. Hist., 166, 1872; SKINNER, C. no. 591. Atl. States.
623. *afranius* LINTNER, 30 Rept. N. Y. Mus. Nat. Hist., 175, 1878; SKINNER, C. no. 592. Col., Ariz.
624. *martialis* SCUDDER, Trans. Chic. Acad. Nat. Sci., i, 355, 1869; SKINNER, C. no. 593. Atl. States, Col.
625. *juvenalis* FABRICIUS, Ent. Syst., iii, 339, 1793; SKINNER, C. no. 594. Atl. States, Rocky Mts.
syn. *juvenis* HÜBNER, *costalis* DOUBLEDAY & HEWITSON, *ennius* SCUDDER & BURGESS.
626. *petronius* LINTNER, Pap., i, 70, 1881; SKINNER, C. no. 595. Fla.
627. *horatius* SCUDDER & BURGESS, Proc. Bost. Soc. Nat. Hist., xiii, 301, 1870; SKINNER, C. no. 596. So. Atl. States.
syn. *virgilius* SCUDDER & BURGESS.
628. *terentius* SCUDDER & BURGESS, Proc. Bost. Soc. Nat. Hist., xiii, 292, 1870; SKINNER, C. no. 597. Atl. States.
syn. *ovidius* SCUDDER & BURGESS.
629. *propertius* LINTNER, Pap., i, 71, 1881; SKINNER, C. no. 598. Pac. States.
- *630. *nævius* LINTNER, Pap., i, 69, 1881; SKINNER, C. no. 599. Fla.
631. *pacuvius* LINTNER, 30 Rept. N. Y. Sta. Mus. Nat. Hist., 172, 1878; SKINNER, C. no. 600. Rocky Mts.
632. *tatius* EDWARDS, Pap., ii, 179, 1882; SKINNER, C. no. 601. Ariz.
633. *clitus* EDWARDS, Pap., ii, 180, 1882; SKINNER, C. no. 602. Ariz.
634. *funeralis* SCUDDER & BURGESS, Proc. Bost. Soc. Nat. Hist., xiii, 293, 1870; SKINNER, C. no. 603. S.-W. U. S.
635. *tristis* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 311, 1852; SKINNER, C. no. 604. Cal., Ariz.

- *636. *tibullus* SCUDDER & BURGESS, Proc. Bost. Soc. Nat. Hist., xiii, 298, 1870; SKINNER, C. no. 605. Cal.
- *637. *plautus* SCUDDER & BURGESS, Proc. Bost. Soc. Nat. Hist., xiii, 304, 1870; SKINNER, C. no. 606. Fla.

HELIOPETES Billberg.

BILLBERG, Enum. Ins., 81, 1820; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 444, 1897.

- *638. *laviana* HEWITSON, Desc. Hesp., 48, 1868; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 448, 1897. Mex.
- syn. *pastor* FELDER, *leca* BUTLER.

HESPERIA Fabricius.

FABRICIUS, Ent. Syst., iii, 1, 258, 1793; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 187, 1875.

639. *ericetorum* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 313, 1852; SKINNER, C. no. 575. Pac. States.
syn. *alba* EDWARDS.
- *640. *macaria* REAKIRT, Proc. Acad. Nat. Sci. Phil., 334, 1866; SKINNER, C. no. 576. Ariz., Mex.
syn. *oceanus* EDWARDS, *locutia* HEWITSON.
- *641. *domicella* ERICHRON, Schomb. Reise, iii, 601, 1848; SKINNER, C. no. 577. Ariz., Mex.
a. nearchus EDWARDS, Pap., ii, 26, 1882.
642. *tessellata* SCUDDER, Syst. Rev., 73, 1872; SKINNER, C. no. 578. U. S.
syn. *communis* GROTE.
- *643. *montivagus* REAKIRT, Proc. Acad. Nat. Sci. Phil., 46, 1866; SKINNER, C. no. 579. Rocky Mts., Fla., Mex.
644. *centaureæ* RAMBUR, Faun. Ent. And., pl. 8, f. 10, 1839; SKINNER, C. no. 580. No. Atl. States, Eur.
syn. *ruralis* BOISDUVAL, *wyandot* EDWARDS.
- *645. *philetas* EDWARDS, Pap., i, 46, 1881; SKINNER, C. no. 581. Tex.
646. *cæspitalis* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 312, 1852; SKINNER, C. no. 582. Pac. States, Rocky Mts.
syn. *ricara* EDWARDS, *petreius* EDWARDS.
- *647. *xanthus* EDWARDS, Field & Forest, iii, 142, 1877; SKINNER, C. no. 583. Col.
- *648. *scriptura* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 312, 1852; SKINNER, C. no. 584. Cal., Ariz., Mont.

649. *nessus* EDWARDS, Can. Ent., ix, 192, 1877; SKINNER, C. no. 585. So. Atl. States.
syn. *notabilis* STRECKER.
- *650. *unna* PLÖTZ, Stett. ent. Zeit., xlv, 204, 1883; SKINNER, C. no. 90. (Unknown).
651. *polingii* BARNES, Can. Ent., xxxii, 44, 1900. Ariz.
- *652. *syrichtus* FABRICIUS, Syst. Ent., 534, 1775; KIRBY, Cat. Diurn. Lep., 610, 1872; SKINNER, Ent. News, xii, 171, 1901. Mex.
syn. *orcus* CRAMER, *oilcus* WESTWOOD & HUMPHREYS, *tartarus* HÜBNER.

Superfamily SPHINGOIDEA.

Family SPHINGIDÆ.

(C.=SMITH, Trans. Am. Ent. Soc., xv, 49-242, 1888.)

HEMARIS Dalman.

DALMAN, Vet. Akad. Handl., 207, 1816; KIRBY, Cat. Lep. Het., i, 624, 1892.

- *653. *diffinis* BOISDUVAL, Sp. Gén., i, pl. 15, fig. 2, 1836; SMITH, C. 95. Atl. States.
syn. *æthra* STRECKER.
- a. axillaris* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 23, 1868; SMITH, C. 95.
syn. *marginalis* GROTE, *grotei* BUTLER.
- b. tenuis* GROTE, Bull. Buff. Soc., i, pl. 1, fig. 6, 1873; SMITH, C. 94.
syn. *fumosa* STRECKER, *metathetis* BUTLER.
- c. thetis* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 325, 1868; SMITH, C. 90-94. No. Cal., Pac. N.-W.
syn. *rubens* HY. EDWARDS.
- d. cynoglossum* HY. EDWARDS, Proc. Cal. Acad. Sci., v, 88, 1876; SMITH, C. 91. So. Cal.
- e. senta* STRECKER, Rep. Chief Eng., 1878, pl. 2, fig. 1; SMITH, C. 93. Col., N. Mex.
- f. palpalis* GROTE, Bull. Buff. Soc., ii, 145, 1874; SMITH, C. 89. Brit. Col.
654. *brucei* FRENCH, Can. Ent., xxii, 133, 1890. Col., Utah.
655. *gracilis* GROTE & ROBINSON, Proc. Ent. Soc. Phil., v, 174, 1865; SMITH, C. 97. Atl. States.

656. **thysbe** FABRICIUS, Syst. Ent., 548, 1775; SMITH, Atl. States, C. 98. Miss. Vall.
 syn. *pelasgus* CRAMER, *cimbiciformis* STEPHENS, *etolus* BOISDUVAL, *fuscicaudis* WALKER.
a. ruficaudis KIRBY, Faun. Bor. Am., iv, 303, 1837; SMITH, C. 103.
 syn. *uniformis* GROTE & ROBINSON, *pyramus*, BOISDUVAL, *floridensis* GROTE & ROBINSON, *buffaloensis* GROTE.

LEPISESIA Grote.

GROTE, Proc. Ent. Soc. Phil., v, 38, 1865; SMITH, C. 109.

- *657. **flavofasciata** WALKER, Cat. Brit. Mus., vii, 87, Aret. 1856; SMITH, C. 111. Amer.
a. ulalume STRECKER, Lep. Rhop. Het., 135, pl. 15, fig. 3, 1878.
b. rachel BRUCE, Ent. News, xii, 19, 1901.
 658. **phaeton** GROTE & ROBINSON, Proc. Ent. Soc. Phil., So. v, 178, 1865; SMITH, C. 112. Cal.
 syn. *errato* BOISDUVAL.
a. euterpe HY. EDWARDS, Ent. Amer., iv, 25, 1888; SMITH, C. 235.
 659. **clarkia** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 318, No. Cal. 1852; SMITH, C. 112. to Utah.
 syn. *victoria* GROTE.
 660. **gauræ** SMITH & ABBOT, Lep. Ins. Ga., i, 61, pl. So. 31, 1797; SMITH, C. 114. States.
a. circæ HY. EDWARDS, Pap., ii, 9, 1882; SMITH, C. 114.
 661. **juanita** STRECKER, Lep. Rhop. Het., 112, 1878; Tex. SMITH, C. 114.
 *662. **terlooi** HY. EDWARDS, Proc. Cal. Acad. Sci., vi, Mex., 90, 1875. Ga.
 663. **vega** DYAR. (Fore wings as *terlooi*, with an additional dark green band at base; hind wings as *juanita*; exp. 54 mm.) N. Mex.

ÆLLOPOS Hübner.

HÜBNER, Verz. bek. Schmett., 131, 1822; KIRBY, Cat. Lep. Het., i, 634, 1892.

664. **tantalus** LINNÆUS, Syst. Nat., i, 493, 1758; SMITH, So. Amer., C. 119-121. So. States occ.
 syn. *titan* CRAMER, *zonata* DRURY, *tripunctata* GOEZE, *annulosum* SWAINSON, *balteata* KIRTLAND.
a. ixion LINNÆUS, Syst. Nat., i, 493, 1758.
 syn. *fadus* CRAMER.

TRIPTOGON Ménétries.

MÉNÉTRIES, *Enum. Corp. An. Mus. Pet.*, Lep., ii, 94, 1859; KIRBY, *Cat. Lep. Het.*, i, 644, 1892.

665. **lugubris** LINNÆUS, *Mant. Plant.*, 537, 1771; SMITH, *So. Am., Fla.*, C. 123. occ. northw.

syn. *fegeus* CRAMER, *camertus* CRAMER, *luctuosus* BOISDUVAL.

CALLIOMMA Walker.

WALKER, *Cat. Lep. Het. B. M.*, viii, 101, 1856; KIRBY, *Cat. Lep. Het.*, i, 646, 1892.

666. **pluto** FABRICIUS, *Gen. Ins.*, 274, 1777; KIRBY, *So. Am.,*
Cat. Lep. Het., i, 646, 1892. *So. Fla.*

syn. *thorates* HÜBNER, *cræsus* DALMAN.

AMPHION Hübner.

HÜBNER, *Verz. bek. Schmett.*, 135, 1822; SMITH, C. 125.

667. **nessus** CRAMER, *Pap. Exot.*, ii, pl. 107, f. D, 1777; *Atl. States,*
SMITH, C. 125. *Miss. Vall.*

SPHECODINA Blanchard.

BLANCHARD, *Nat. Hist. Ins.*, iii, pl. 20, f. 4; KIRBY, *Cat. Lep. Het.*, i, 638, 1892.

668. **abbottii** SWAINSON, *Zool. Ill.*, i, pl. 60, 1821; *Atl. States,*
SMITH, C. 129. *Miss. Vall.*

DEIDAMIA Clemens.

CLEMENS, *Jl. Acad. Nat. Sci. Phil.*, iv, 137, 1839; SMITH, C. 128.

669. **inscriptum** HARRIS, *Am. Jour. Sci.*, xxxvi, 306, *Atl. States,*
1839; SMITH, C. 129. *Miss. Vall.*

DEILEPHILA Ochsenheimer.

OCHSENHEIMER, *Schmett. Eur.*, iv, 42, 1816, SMITH, C. 130.

670. **gallii** ROTTEMBERG, *Naturf.*, vii, 107, 1775; *Eur., Asia,*
KIRBY, *Cat. Lep. Het.*, i, 665, 1892; SMITH, C. 131. *U. S.*

syn. *epilobii* HARRIS, *intermedia* KIRBY, *canadensis* GUENÉE, *chamænerii* HARRIS.

671. **lineata** FABRICIUS, *Syst. Ent.*, 541, 1775; SMITH, *U. S.*
C. 133.

syn. *daucas* CRAMER, *oxybaphi* CLEMENS.

THERETRA Hübner.

- HÜBNER, Verz. bek. Schmett., 135, 1822; KIRBY, Cat. Lep. Het., i, 649, 1902.
672. *tersa* LINNÆUS, Mant. Plant., ii, 538, 1771; SMITH, C. 135. So. States.
673. *porcus* HÜBNER, Samml. exot. Schmett., ii, 1824; KIRBY, Cat. Lep. Het., i, 671, 1892. So. Am., So. Fla.

ARGEUS Hübner.

HÜBNER, Verz. bek. Schmett., 134, 1822; SMITH, C. 136.

674. *labruscæ* LINNÆUS, Syst. Nat., 491, 1758; SMITH, C. 137. So. Am., Fla., occ. northw.
- syn. *clotho* FABRICIUS.

PACHYLIA Walker.

WALKER, Cat. Brit. Mus., i, 189, 1856; SMITH, C. 138.

675. *ficus* LINNÆUS, Syst. Nat., 491, 1758; SMITH, C. 138. So. Am., So. Fla.
- syn. *crameri* MÉNÉTRIÉS, *lyncea* CLEMENS, *venezuelensis* SCHAUFUSS.

PHOLUS Hübner.

HÜBNER, Verz. bek. Schmett., 134, 1822; KIRBY, Cat. Lep. Het., i, 668-670, 1892.

676. *linnei* GROTE & ROBINSON, Proc. Ent. Soc. Phil., v, 157, 1865; SMITH, C. 141. So. Am., So. States.
677. *vitis* LINNÆUS, Syst. Nat., 491, 1758; SMITH, C. 143. So. Am., So. States.
- syn. *jussieuæ* HÜBNER, *fasciatus* SULZER.
678. *pandorus* HÜBNER, Samml. exot. Schmett., ii, 1824; SMITH, C. 144. East. & Cent. States.
- syn. *ampelophaga* BOISDUVAL.
679. *achemon* DRURY, Ill. Exot. Ent., ii, 51, 1773; SMITH, C. 145. U. S.
- syn. *crantor* CRAMER.
680. *typhon* KLUG, Neu. Schmett., pl. 3, f. 1, 1836; KIRBY, Cat. Lep. Het., i, 668, 1892. Mex., Ariz.

AMPELOPHAGA Bremer & Grey.

BREMER & GREY, Beitr. Sch.-Faun. Chin., 11, 1853; SMITH, C. 146.

681. *chærilus* CRAMER, Pap. Exot., iii, 91, 1779; SMITH, C. 147. Atl. States, Miss. Vall.
- syn. *clorinda* MARTYN, *azaleæ* SMITH & ABBOT.

682. **myron** CRAMER, Pap. Exot., iii, 91, 1779; SMITH, Atl. States,
C. 148. Miss. Vall.
syn. *pampinatriæ* SMITH & ABBOT.
a. enotus HÜBNER, Zutr. exot. Schmett., ff. 321-2,
1823; SMITH, C. 148.
683. **versicolor** HARRIS, Am. Jour. Sci., xxxvi, 303, Atl. States,
1839; SMITH, C. 149. Miss. Vall.

COCYTIUS Hübner.

- HÜBNER, Verz. bek. Schmett., 140, 1822; KIRBY, Cat. Lep. Het., i, 686, 1892.
684. **antæus** DRURY, Ill. Exot. Ent., ii, 43, 1773; SMITH, Antilles,
C. 153. Fla.
syn. *jatrophæ* FABRICIUS, *annonæ* SHAW.

PSEUDOSPHEX Burmeister.

- BURMEISTER, Verh. nat. Ges. Halle, 69, 1856; KIRBY, Cat. Lep. Het., i, 684, 1892.
685. **tetrio** LINNÆUS, Mant. Plant., 538, 1771; KIRBY, So. Am.,
Cat. Lep. Het., i, 684, 1892. Antilles, Fla.
syn. *hasdrubal* STOLL, *rustica* SEPP.

DILOPHONOTA Burmeister.

- BURMEISTER, Verh. nat. Ges. Halle, 69, 1856; SMITH, C. 154.
686. **ello** LINNÆUS, Syst. Nat., 491, 1758; SMITH, C. So. Am., Fla.,
156. occ. Northw.
687. **lassauxii** BOISDUVAL, Bull. Soc. Ent. Fr., (3), So. Am.,
vii, 157, 1859; KIRBY, Cat. Lep. Het., i, 697, Fla.
1892; SCHAUS, Ent. News, vi, 144, 1895.
syn. *cereyon* BURMEISTER.
a. merianæ GROTE, Proc. Ent. Soc. Phil., v, 75,
1865; SMITH, C. 158.
syn. *omphalæ* BOISDUVAL.
688. **alope** DRURY, Ill. Exot. Ent., i, pl. 27, f. 1, 1773; So. Am.,
KIRBY, Cat. Lep. Het., i, 699, 1892; SMITH, C. Fla.
159; SCHAUS, Ent. News, vi, 144, 1895.
syn. *fasciata* SWAINSON, *flavicans* GOEZE, *edwardsii* BUTLER.
689. **caicus** CRAMER, Pap. Exot., ii, pl. 125, f. F, 1779; So. Am.,
KIRBY, Cat. Lep. Het., i, 697, 1892. Fla.
690. **ænotrus** STOLL, Pap. Exot., iv, pl. 301, f. C, 1780; So. Am.,
SMITH, C. 160; SCHAUS, Ent. News, ix, 136, 1898. Fla.
syn. *melancholica* GROTE, *janiphæ* BOISDUVAL,
cinerosa GROTE, *piperis* BOISDUVAL.
691. **crameri** SCHAUS, Ent. News, ix, 136, 1898. So. Am., Fla.

692. *obscura* FABRICIUS, Syst. Ent., 538, 1775; SMITH, So. Am., Fla., C. 157. occ. northw.
 syn. *stheno* HÜBNER, *rhabus* BOISDUVAL.
a. domingonis BUTLER, Proc. Zool. Soc. Lond., 258, 1875; SMITH, C. 161.
 syn. *festæ* HY. EDWARDS.

CAUTETHIA Grote.

GROTE, ANN. LYE. Nat. Hist. N. Y., viii, 202, 1867; KIRBY, Cat. Lep. Het., i, 699, 1892.

693. *noctuiiformis* WALKER, Cat. Brit. Mus., viii, 232, 1856; KIRBY, Cat. Lep. Het., i, 699, 1892. Antilles, So. Fla.
a. grotei HY. EDWARDS, Papilio, ii, 1882; SMITH, C. 163.

DILUDIA Grote & Robinson.

GROTE & ROBINSON, Proc. Ent. Soc. Phil., v, 188, 1865.

- *694. *brontes* DRURY, Ill. Exot. Ent., ii, pl. 129, f. 4, 1773; KIRBY, Cat. Lep. Het., i, 681, 1892. Antilles, So. Fla.
 syn. *collaris* WALKER.
 *695. *cubensis* GROTE & ROBINSON, Proc. Ent. Soc. Phil., v, 189, 1865; KIRBY, Cat. Lep. Het., i, 681, 1892. Antilles, So. Fla.

PHLEGETHONTIUS Hübner.

HÜBNER, Verz. bek. Schmett., 140, 1822; KIRBY, Cat. Lep. Het., i, 687, 1892.

696. *quinquemaculata* HAWORTH, Lep. Brit., 59, 1803; No. SMITH, C. 165. U. S.
 syn. *celeus* HÜBNER.
 697. *sexta* JOHANSEN, Amœn. Acad., vi, 410, 1764; So. Am., SMITH, C. 167. U. S.
 syn. *carolina* LINNÆUS.
 698. *rustica* FABRICIUS, Syst. Ent., 540, 1775; SMITH, So. Am., C. 168. So. States.
 syn. *chionanthi* SMITH & ABBOT.
 699. *convolvuli* LINNÆUS, Syst. Nat., 490, 1758; KIRBY, Eur., Cat. Lep. Het., i, 690, 1892; MEYRICK, Faun. Asia. Hawai., i, 193, 1899.
a. cingulata FABRICIUS, Syst. Ent., 545, 1775; So. Am., SMITH, C. 170; DYAR, Ent. News, vi, 195, 1895. So. States, Hawai.
 syn. *affinis* GOEZE, *pungens* ESCHSCHOLTZ, *druræi* DONAVAN, *decolorata* HY. EDWARDS.

SPHINX Linnæus.

LINNÆUS, Syst. Nat., 489, 1758; KIRBY, Cat. Lep. Het., i, 690, 1892.

700. *kalmiæ* SMITH & ABBOT, Lep. Ins., Ga., i, 73, 1797; Atl. States.
SMITH, C. 177.
- *700. 1. *franckii* NEUMOEGEN, Ent. News, iv, 133, 1893. Mo.
701. *drupiferarum* SMITH & ABBOT, Lep. Ins. Ga., i, U. S.
71, 1797; SMITH, C. 177.
a. utahensis HY. EDWARDS, Pap., i, 115, 1881.
702. *perelegans* HY. EDWARDS, Proc. Cal. Acad. Sci., v, Cal.
109, 1874; SMITH, C. 179.
703. *gordius* STOLL, Pap. Exot., iii, pl. 247, f. B., 1780; Atl. States,
SMITH, C. 189. Miss. Vall
syn. pocila STEPHENS.
704. *luscitiosa* CLEMENS, Jr. Acad. Nat. Sci. Phil., iv, Atl.
172, 1859; SMITH, C. 181. States.
705. *vancouverensis* HY. EDWARDS, Proc. Cal. Acad. West. States,
Sci., v, 111, 1874; SMITH, C. 183. Rocky Mts.
syn. vashiti STRECKER.
a. albescens TEPPER, Bull. Brook. Ent. Soc., iv,
1, 1881; SMITH, C. 182.
706. *chersis* HÜBNER, Samml. exot. Schmett., ii, 1824; U. S.
SMITH, C. 184.
syn. cinerica HARRIS, *oreodaphne* HY. EDWARDS.
a. libocedrus HY. EDWARDS, Pap., iv, 115, 1881.
- *707. *insolita* LINTNER, Pap., iv, 145, 1884; SMITH, C. Tex.
186.
708. *pinastri* LINNÆUS, Syst. Nat., 492, 1758; SMITH, Europe,
C. 186. U. S.?
syn. saniptri STRECKER.
709. *sequoiæ* BOISDUVAL, Ann. Soc. Ent. Belg., xii, 86, Cal.
1868; SMITH, C. 188.
- *710. *dollii* NEUMOEGEN, Pap., i, 149, 1881; SMITH, C. Ariz.
189.
711. *coloradus* SMITH, Ent. Amer., iii, 153, 1887; Col.
C. 189.
712. *elsa* STRECKER, Lep. Rhop. Het., 126, 1878; Ariz.,
SMITH, C. 189. Utah.
713. *canadensis* BOISDUVAL, Sp. Gén. Het., 93, 1875; No. Atl.
SMITH, C. 190. States.
syn. plota STRECKER.

- *714. *eremitoides* STRECKER, Lep. Rhop. Het., 93, 1874; SMITH, C. 191. S.-W. States.
715. *andromeda* BOISDUVAL, Lép. Guat., 74, 1870; SMITH, C. 191; SCHAUS, Ent. News, vi, 142, 1895. S.-W. States.
syn. *separatus* NEUMOEGEN.
- *715. 1. *lugens* WALKER, Cat. Brit. Mus., viii, 219, 1856; SCHAUS, Ent. News, vi, 143, 1895. U. S. ?
716. *eremitus* HÜBNER, Samml. exot. Schmett., ii, 1824; SMITH, C. 193. Atl. States.
syn. *sordida* HARRIS.
717. *plebeia* FABRICIUS, Gen. Ins., 273, 1777; SMITH, C. 194. Atl. States.
- *718. *cupressi* BOISDUVAL, Sp. Gén. Het., i, 102, 1875; SMITH, C. 195. So. States.

DOLBA Walker.

WALKER, Cat. Brit. Mus., viii, 229, 1856; SMITH, C. 195.

719. *hylæus* DRURY, Ill. Exot. Ent., ii, 45, 1773; SMITH, C. 196. Atl. States.
syn. *prini* SMITH & ABBOT.

CHLÆNOGRAMMA Smith.

SMITH, Ent. Amer., iii, 154, 1887; C. 197.

720. *jasminearum* BOISDUVAL, Icon. Rôg. An. Ins., 494, 1844; SMITH, C. 199. Atl. States.

CERATOMIA Harris.

HARRIS, Am. Jn. Sci., xxxvi, 286, 1839; SMITH, C. 200.

721. *amyntor* GEYER, Zutr. exot. Schmett., iii, 1824; SMITH, C. 201. Atl. States, Miss. Vall.
syn. *quadricornis* HARRIS.
722. *undulosa* WALKER, Cat. Brit. Mus., viii, 231, 1856; SMITH, C. 203. Atl. States, Miss. Vall.
syn. *repentinus* CLEMENS.
723. *hageni* GROTE, Bull. Buff. Soc., ii, 149, 1874; SMITH, C. 204. Tex.
724. *catalpæ* BOISDUVAL, Sp. Gén. Het., i, 103, 1875; SMITH, C. 205. So. States.

LAPARA Walker.

WALKER, Cat. Brit. Mus., viii, 232, 1856; *Ellema* CLEMENS; SMITH, C. 206.

725. **bombycoides** WALKER, Cat. Brit. Mus., viii, 232, 1856; SMITH, C. 205. Atl. States.
Miss. Vall.

syn. *harrisii* CLEMENS.

- a. pinetum* LINTNER, Ent. Cont., i, 37, 1872;
SMITH, C. 209.

726. **coniferarum** SMITH & ABBOT, Lep. Ins. Ga., i, 83, 1797; SMITH, C. 210. So.
States.

syn. *cana* MARTYN.

EXEDRIUM Grote.

GROTE, Check List, 11, 1882; SMITH, C. 211.

- *727. **halicorniæ** STRECKER, Bull. Brook. Ent. Soc., iii, 35, 1880; SMITH, C. 211. Fla.

MARUMBA Moore.

MOORE, Lep. Ceylon, ii, 8, 1882; KIRBY, Cat. Lep. Het., i, 706, 1892.

728. **modesta** HARRIS, Am. Journ. Sci., xxxvi, 292, 1839; SMITH, C. 216. U. S.

syn. *princeps* WALKER, *populicola* BOISDUVAL,
cabei VON REIZENSTEIN, *occidentalis* HY.
EDWARDS.

- a. imperator* STRECKER, Lep. Rhop. Het., 125,
1878; SMITH, C. 217.

SMERINTHUS Latreille.

LATREILLE, Hist. Nat. Ins., iv, 209, 1802; SMITH, C. 218.

729. **jamaicensis** DRURY, Ill. Exot. Ent., ii, 43, 1773; SMITH, C. 219. Atl.
States.

syn. *geminatus* SAY, *tripartitus* GROTE.

730. **cerysii** KIRBY, Faun. Bor. Amer., iv, 301, 1827; SMITH, C. 223. No. Atl.
States.

a. astarte STRECKER, Proc. Acad. Nat. Sci. Phil., 36, 283, 1884; SMITH, C. 223. Col.

b. ophthalmicus BOISDUVAL, Ann. Soc. Ent. Fr., xii, 67, 1869; SMITH, C. 221. No. Pac.
States.

syn. *pallidulus* HY. EDWARDS, *vancouverensis*
BUTLER.

PAONIAS Hübner.

HÜBNER, Verz. bek. Schmett., 142, 1822; KIRBY, Cat. Lep. Het., 712, 1892; SMITH, C. 226.

731. *excœcatus* SMITH & ABBOT, Lep. Ins. Ga., i, 49, 1797; SMITH, C. 226. Atl. States.
 syn. *pavonia* GEYER.
732. *myops* SMITH & ABBOT, Lep. Ins. Ga., i, 51, 1797; SMITH, C. 227. Atl. States, Miss. Vall.
 syn. *rosacearum* BOISDUVAL.
733. *astylus* DRURY, Ill. Exot. Ent., ii, 45, 1773; SMITH, C. 228. Atl. States.
 syn. *integerrima* HARRIS, *io* BOISDUVAL.

CRESSONIA Grote & Robinson.

GROTE & ROBINSON, Proc. Ent. Soc. Phil., v, 161, 1865; SMITH, C. 229.

734. *juglandis* SMITH & ABBOT, Lep. Ins. Ga., i, 57, 1797; SMITH, C. 230; KIRBY, Cat. Lep. Het., i, 713, 1892. Atl. States, Miss. Vall.
 syn. *robinsonii* BUTLER, *pallens* STRECKER, *hyperbola* SLOSSON.

ARCTONOTUS Boisduval.

BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 319, 1852; SMITH, C. 232.

735. *lucidus* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 319, 1852; SMITH, C. 232; KIRBY, Cat. Lep. Het., i, 714, 1892. Pac. States.

Superfamily SATURNOIDEA.

Family SATURNIIDÆ.

(C.=SMITH, Proc. U. S. Nat. Mus., 414-437, 1886; NEUMOEGEN & DYAR, Journ. N. Y. Ent. Soc., ii, 121-132, 1894.)

PHILOSAMIA Grote.

GROTE, Proc. Am. Phil. Soc., xiv, 258, 1874; KIRBY, Cat. Lep. Het., i, 748, 1892.

736. *cynthia* DRURY, Ill. Exot. Ent., ii, pl. 6, f. 2, 1773; SMITH, C. 146; NEUMOEGEN & DYAR, C. 121; HAMPSON, Moths Ind., i, 16, 1892. Japan to Java, Atl. coast cities.
 syn. *aurotus* FABRICIUS, *insularis* VOLLENHOVEN, *vesta* WALKER, *canningii* WALKER, *walkeri* FELDER, *pryeri* BUTLER.

ROTHSCHILDIA Grote.

GROTE, Verh. Ges. deutsch. Nat. Aerzte, 68, 2 div., 1 Heft, 204, 1897.

737. *orizaba* WESTWOOD, Proc. Zool. Soc. Lond., 158, Mex.,
1853; KIRBY, Cat. Lep. Het., i, 747, 1892. Ariz.
738. *zorilla* WESTWOOD, Proc. Zool. Soc. Lond., 159, Mex.,
1853; NEUMOEGEN & DYAR, C. 122. Ariz.
syn. *cinctus* TEPPER.

SAMIA Hübner.

HÜBNER, Verz. bek. Schmett., 156, 1822; NEUMOEGEN & DYAR, C. 123.

739. *cecropia* LINNÆUS, Syst. Nat., i, 447, 1758; SMITH, Atl.
C. 427. States.
740. *gloveri* STRECKER, Lep. Rhop. Het., i, 1, 1872; Rocky Mts.,
SMITH, C. 425. Ariz.
a. *reducta* NEUMOEGEN, Ent. News, ii, 152, 1891;
NEUMOEGEN & DYAR, C. 123.
741. *columbia* SMITH, Proc. Bost. Soc. Nat. Hist., ix, N. Atl.
343, 1865; C. 424. States.
742. *rubra* BEHR, Proc. Cal. Acad. Sci., i, 46, 1855; Pac.
NEUMOEGEN & DYAR, C. 124. States.
syn. *euryalus* BOISDUVAL, *californica* GROTE,
ceanothi BEHR.

CALLOSAMIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 379, 1864; NEUMOEGEN & DYAR, C. 124.

743. *calleta* WESTWOOD, Proc. Zool. Soc. Lond., 166, Mex.,
1853; NEUMOEGEN & DYAR, C. 124. Ariz.
syn. *polyommata* TEPPER.
744. *promethia* DRURY, Ill. Exot. Ent., ii, pl. 11, f. 1, Atl.
1773; SMITH, C. 423. States.
745. *angulifera* WALKER, Cat. Brit. Mus., v, 1224, Atl.
1855; SMITH, C. 424. States.

AGAPEMA Neumoegen & Dyar.

NEUMOEGEN & DYAR, Journ. N. Y. Ent. Soc., ii, 125, 1894.

746. *galbina* CLEMENS, Proc. Acad. Nat. Sci. Phil., Mex.,
156, 1860; SMITH, C. 431. Ariz.

TROPÆA Hübner.

HÜBNER, Verz. bek. Schmett., 152, 1822; KIRBY, Cat. Lep. Het., i, 765, 1892.

747. *luna* LINNÆUS, Syst. Nat., 496, 1758; SMITH, C. 429. Atl. States,
Miss. Val.
a. dictynna WALKER, Cat. Brit. Mus., vi, 1264,
1855.
b. rossi ROSS, Cat. Lep. Can., 5, note, 1872;
NEUMOEGEN & DYAR, C. 126.

TELEA Hübner.

HÜBNER, Verz. bek. Schmett., 154, 1822; SMITH, C. 429.

748. *polyphemus* CRAMER, Pap. Exot., i, pl. 5, f. A, U. S.
1775; SMITH, C. 430; NEUMOEGEN & DYAR, C. 126.
syn. *paphia* LINNÆUS, *fenestra* PERRY, *oculea*
NEUMOEGEN.

SATURNIA Schrank.

SCHRANK, Faun. Boica, ii, (1), 149; NEUMOEGEN & DYAR, C. 126.

749. *mendocino* BEHRENS, Can. Ent., viii, 149, 1876; No.
SMITH, C. 432. Cal.

AUTOMERIS Hübner.

HÜBNER, Verz. bek. Schmett., 154, 1822; NEUMOEGEN & DYAR, C. 127.

- *750. *zelleri* GROTE & ROBINSON, Trans. Am. Ent. Soc., Mex.,?
ii, 193, 1868; SMITH, C. 434. Tex.?
751. *pamina* NEUMOEGEN, Pap., ii, 60, 1882; SMITH, C. Ariz.,
435; NEUMOEGEN & DYAR, C. 127. Mex.
a. aurosea NEUMOEGEN, Pap., ii, 61, 1882.
syn. *boucardi* DRUCE, Biol. Cent. Am., Lep.
Het., i, 178, pl. 17, f. 5, 1886.
*752. *zephyria* GROTE, Can. Ent., xiv, 215, 1882; SMITH, N. Mex.
C. 436.
753. *io* FABRICIUS, Syst. Ent., 560, 1775; SMITH, C. Eastern
434; NEUMOEGEN & DYAR, C. 128. U. S., Mex.
syn. *corollaria* PERRY, *varia* WALKER, *fabricii*
BOISDUVAL, *argus* NEUMOEGEN & DYAR.
a. lilith STRECKER, Lep. Rhop. Het., 139, 1878.

THAUMA Hy. Edwards.

HY. EDWARDS, Proc. Cal. Acad. Sci., v, 265, 1875; NEUMOEGEN & DYAR, C. 128.

754. *socialis* FEISTHAMEL, Mag. Zool., pl. 20, f. 1, Peru, Chile,
1839; NEUMOEGEN & DYAR, C. 128. Brit. Col.?
syn. *angulifera* WALKER, *ribis* HY. EDWARDS.

COLORADIA Blake.

BLAKE, Proc. Ent. Soc. Phil., ii, 279, 1863; SMITH, C. 436.

755. *pandora* BLAKE, Proc. Ent. Soc. Phil., ii, 279, 1863; NEUMOEGEN & DYAR, C. 129. Rocky Mts.
a. doris BARNES, Can. Ent., xxxii, 46, 1900.

HEMILEUCA Walker.

WALKER, Cat. Brit. Mus., v, 1319, 1855; NEUMOEGEN & DYAR, C. 129.

756. *electra* WRIGHT, Pap., iv, 19, 1884; NEUMOEGEN & DYAR, C. 129. So. Cal.
757. *maia* DRURY, Ill. Exot. Ent., ii, pl. 24, f. 3, 1773; NEUMOEGEN & DYAR, C. 130. Atl. States, Col.
 syn. *proserpina* FABRICIUS.
a. lucina HY. EDWARDS, Ent. Am., ii, 14, 1887.
758. *nevadensis* STRETCH, Zyg. Bomb. N. A., 108, 1872; NEUMOEGEN & DYAR, C. 130. Rocky Mts. to Pacific.
 syn. *californica* WRIGHT, *artemis* PACKARD.
759. *juno* PACKARD, Rep. Peab. Acad. Sci., iv, 87, 1872; NEUMOEGEN & DYAR, C. 130. Mex., Ariz.
 syn. *yavapai* NEUMOEGEN.
- *760. *grotei* GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 192, 1868; NEUMOEGEN & DYAR, C. 131. Col., Tex.
 syn. *diana* PACKARD.
761. *neumoegenii* HY. EDWARDS, Pap., i, 171, 1881; NEUMOEGEN & DYAR, C. 131. Ariz., Cal.
762. *tricolor* PACKARD, Rep. Peab. Acad., iv, 89, 1872; NEUMOEGEN & DYAR, C. 131. N. Mex.
763. *hualapai* NEUMOEGEN, Pap., iii, 138, 1883; NEUMOEGEN & DYAR, C. 131. Ariz., Mex.
a. sororius HY. EDWARDS, Pap., i, 100, 1881; NEUMOEGEN & DYAR, C. 129, note.
b. oliviae COCKERELL, Psyche, viii, 252, 1898.

PSEUDOHAZIS Grote & Robinson.

GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 377, 1866; NEUMOEGEN & DYAR, C. 131.

764. *eglanterina* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 323, 1852; NEUMOEGEN & DYAR, C. 132. Rocky Mts. to Ariz.
 syn. *arizonensis* STRECKER.
a. nuttalli STRECKER, Lep. Rhop. Het., 107, 1875.

765. *shastaensis* BEHRENS, No. Am. Ent., i, 62, 1880; Pac. States,
NEUMOEGEN & DYAR, C. 132. Col.
- a. denudata* NEUMOEGEN, Cal. Ent., xxiii, 145,
1891.
766. *hera* HARRIS, Rep. Ins. Mass., 286, 1841; NEU- W. Col.,
MOEGEN & DYAR, C. 132. Utah, E. Or.
- syn. *picta* WALKER.
- a. marcata* NEUMOEGEN, Cal. Ent., xxiii, 146,
1891; NEUMOEGEN & DYAR, C. 132.

HYLESIA Hübner.

HÜBNER, Verz. bek. Schmett., 186, 1822.

766. 1. *alinda* DRUCE, Biol. Cent. Am., Lep. Het., i, Mex.,
197, 1886. Ariz.

Family CERATOCAMPIDÆ.

(C.=NEUMOEGEN & DYAR, Journ. N. Y. Ent. Soc., ii, 147-152, 1894.)

ANISOTA Hübner.

HÜBNER, Verz. bek. Schmett., 193, 1822; NEUMOEGEN & DYAR, C. 147.

767. *stigma* FABRICIUS, Syst. Ent., 563, 1775; NEU- Atl.
MOEGEN & DYAR, C. 147. States.
768. *senatoria* SMITH & ABBOT, Lep. Ins. Ga., pl. 57, Atl.
1797; NEUMOEGEN & DYAR, C. 147. States.
769. *consularis* DYAR, Journ. N. Y. Ent. Soc., iv, 166, Fla.
1896.
770. *virginiensis* DRURY, Ill. Exot. Ent., ii, pl. 13, f. Atl.
2, 1773; NEUMOEGEN & DYAR, C. 148. States.
- syn. *astymone* OLIVIER, *pellucida* HERRICH-
SCHAEFFER.
771. *rubicunda* FABRICIUS, Syst. Ent., 429, iii, (1), 1793; Atl.
NEUMOEGEN & DYAR, C. 148. States.
- a. alba* GROTE, Bull. Buff. Soc., ii, 183, 1874.
- syn. *pallida* BOWLES.

ADELOCEPHALA Herrich-Schaeffer.

HERRICH-SCHAEFFER, AUSS. Schmett., i, 9, 1855; KIRBY, Cat. Lep. Het., i, 741, 1892;
DYAR, Proc. Ent. Soc. Wash., iv, 427, 1901.

772. *bicolor* HARRIS, Rep. Ins. Mass., 203, 1841; Miss.
NEUMOEGEN & DYAR, C. 148. Val.
- syn. *distigma* WALSH.
- a. suprema* NEUMOEGEN, Ent. Amer., i, 94, 1885;
NEUMOEGEN & DYAR, C. 149.
- b. immaculata* JEWETT, Pap., ii, 144, 1882.

SYSSPHINX Hübner.

HÜBNER, Verz. bek. Schmett., 143, 1822; KIRBY, Cat. Lep. Het., i, 741, 1892; DYAR, Proc. Ent. Soc. Wash., iv, 428, 1901.

773. *quadrilineata* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 11, 1867; NEUMOEGEN & DYAR, C. 149. Miss. Val.
774. *bisecta* LINTNER, Can. Ent., xi, 10, 1879; NEUMOEGEN & DYAR, C. 149. Tex.
syn. *nebulosa* NEUMOEGEN.
775. *heiligbrodti* HARVEY, Can. Ent., ix, 110, 1871; NEUMOEGEN & DYAR, C. 149. Ariz.
a. hubbardi DYAR (dark stone-gray instead of pale gray).

CITHERONIA Hübner.

HÜBNER, Verz. bek. Schmett., 153, 1822; NEUMOEGEN & DYAR, C. 150.

776. *regalis* FABRICIUS, Syst. Nat., iii, (1), 436, 1793; NEUMOEGEN & DYAR, C. 150. Atl. States.
syn. *regia* SMITH & ABBOT.
a. infernalis STRECKER, Pap., iv, 73, 1883.
b. saengeri NEUMOEGEN, Ent. News, ii, 151, 1891.
777. *sepulchralis* GROTE & ROBINSON, Proc. Ent. Soc. Phil., iv, 222, 1865; NEUMOEGEN & DYAR, C. 151. Atl. States.

BASILONA Boisduval.

BOISDUVAL, Ann. Soc. Ent. Fr., (4), viii, 314, 1868; NEUMOEGEN & DYAR, C. 151.

778. *imperialis* DRURY, Ill. Exot. Ent., i, pl. 9, f. 1, 1773; NEUMOEGEN & DYAR, C. 151. Atl. States.
syn. *imperatoria* SMITH & ABBOT, *punctatissima* NEUMOEGEN.
a. didyma DE BEAUVOIS, Ins. Afr. Amér., 52, pl. 20, 1805; NEUMOEGEN & DYAR, C. 157.
b. nobilis NEUMOEGEN, Ent. News, ii, 150, 1891.

Superfamily BOMBYCOIDEA.

Family SYNTOMIDÆ.

(C.=HAMPSON, Cat. Lep. Phal. Brit. Mus., i, 1898.)

COSMOSOMA Hübner.

HÜBNER, Samml. exot. Schmett., ii, 1827; HAMPSON, C. 225.

779. *auge* LINNÆUS, Syst. Nat., i, (2), 807, 1767; HAMPSON, C. no. 477. So. Am., Mex., Fla.
syn. *omphale* HÜBNER, *melita* MÖSCHLER.

SYNTOMEIDA Harris.

HARRIS, Am. Jn. Sci., xxxvi, 316, 1839; HAMPSON, C. 305.

780. *ipomeæ* HARRIS, Am. Jn. Sci., xxxvi, 316, 1839; So.
HAMPSON, C. no. 679. States.
syn. *ferox* WALKER, *euterpe* HERRICH-SCHAEFFER.
781. *epilais* WALKER, Cat. Brit. Mus., i, 227, 1854; Fla.,
HAMPSON, C. no. 680. So. Am.

PSEUDOMYA Hübner.

HÜBNER, Verz. bek. Schmett., 124, 1827; HAMPSON, C. 262.

782. *minima* GROTE, Proc. Ent. Soc. Phil., vi, 298, Cuba,
1867; HAMPSON, C. no. 569. Fla.

DIDASYS Grote.

GROTE, Can. Ent., vii, 174, 1875; HAMPSON, C. 360.

783. *belæ* GROTE, Can. Ent., vii, 145, 1875; HAMPSON, Fla.
C. no. 797.

HORAMA Hübner.

HÜBNER, Verz. bek. Schmett., 124, 1827; HAMPSON, C. 417.

784. *texana* GROTE, Proc. Ent. Soc. Phil., vi, 184, 1867; Cent. Am.,
HAMPSON, C. no. 928. Mex., Tex.

EUCEREON Hübner.

HÜBNER, Verz. bek. Schmett., 123, 1827; HAMPSON, C. 485.

785. *confine* HERRICH-SCHAEFFER, Ausser. Schmett., f. Cent. Am.,
277, 1855; HAMPSON, C. no. 1117. Mex., Fla.
syn. *carolina* HY. EDWARDS.

LYMIRE Walker.

WALKER, Cat. Brit. Mus., ii, 489, 1854; HAMPSON, C. 414.

786. *edwardsi* GROTE, Pap., i, 4, 1881; HAMPSON, C. Fla.
no. 923.

SCEPSIS Walker.

WALKER, Cat. Brit. Mus., ii, 285, 1854; HAMPSON, C. 520.

787. *fulvicollis* HÜBNER, Samml. exot. Schmett., i, Atl. States to
1827; HAMPSON, C. no. 1148. Rocky Mts.
syn. *semidiaphana* HARRIS.
a. pallens HY. EDWARDS, Ent. Amer., ii, 8, 1886.

788. *packardii* GROTE, Proc. Ent. Soc. Phil., iv, 318, 1865. No. Pac. States.
 syn. *matthewi* GROTE.
789. *wrightii* STRETCH, Ent. Amer., i, 101, 1885; Cal.
 HAMPSON, C. no. 1149.
a. gravis HY. EDWARDS, Ent. Amer., ii, 8, 1886.

LYCOMORPHA Harris.

HARRIS, Am. Jn. Sci., xxxvi, 317, 1839; HAMPSON, C. 522.

790. *grotei* PACKARD, Proc. Essex Ins., iv, 47, 1864; Rocky Mts.,
 HAMPSON, C. no. 1152. Tex.
 syn. *palmeri* PACKARD.
a. pulchra DYAR, Jn. N. Y. Ent. Soc., vi, 34, 1898.
- *791. *fulgens* HY. EDWARDS, Pap., i, 116, 1881; HAMPSON, C. no. 1153. N. Mex.,
 Ariz.
792. *pholus* DRURY, Ill. Exot. Ent., ii, pl. 28, f. 3, U. S.
 1773; HAMPSON, C. no. 1154.
a. miniata PACKARD, Rep. Peab. Acad., iv, 84, 1872.
- *792. 1. *desertus* HY. EDWARDS, Pap., i, 81, 1881; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 173, Ariz.
 1894. (Type lost.)

CTENUCHA Kirby.

KIRBY, Faun. Bor. Am., iii, 305, 1837; HAMPSON, C. 523.

793. *venosa* WALKER, Cat. Brit. Mus., ii, 284, 1854; Mex., Tex.,
 HAMPSON, C. no. 1165. Col.
794. *cressonana* GROTE, Proc. Ent. Soc. Phil., ii, 64, Rocky
 1863; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., Mts.
 i, 106, 1893.
a. sanguinaria STRECKER, Rep. Ch. Eng. Ruffner,
 1878, app., 1858; HAMPSON, C. no. 1166.
b. lutea GROTE, Can. Ent., xxxiv, 104, 1902.
795. *brunnea* STRETCH, Zyg. Bomb. N. A., i, 30, 1872; Cal.
 HAMPSON, C. no. 1168.
796. *multifaria* WALKER, Cat. Brit. Mus., ii, 478, 1854; Cal.
 HAMPSON, C. no. 1169.
a. luteoscapus NEUMOEGEN & DYAR, Jn. N. Y. Ent.
 Soc., i, 106, 1893.
797. *rubroscapus* MÉNÉTRIÉS, Cat. Lép. Pét., ii, 142, Pac.
 1857; HAMPSON, C. no. 1170. States.
 syn. *walsinghami* HY. EDWARDS.
a. ochroscapus GROTE & ROBINSON, Trans. Am.
 Ent. Soc., i, 330, 1868.
 syn. *corvina* BOISDUVAL.

798. **virginica** CHARPENTIER, Esper's Exot. Schmett.,
ii, suppl., pl. 2, f. 3, 1830; HAMPSON, C. no. 1171. No. Atl.
States.
syn. *latreillana* KIRBY.

DAHANA Grote.

GROTE, Can. Ent., vii, 175, 1875; HAMPSON, C. 531.

799. **atripennis** GROTE, Can. Ent., vii, 175, 1875; HAMP- Fla.
SON, C. no. 1174.

Family LITHOSIIDÆ.

(C.=HAMPSON, Cat. Lep. Phal. Brit. Mus., ii, 1900.)

CRAMBIDIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 99, 1864; HAMPSON, C. 126.

800. **pallida** PACKARD, Proc. Ent. Soc. Phil., iii, 99, No. Atl.
1864; HAMPSON, C. no. 244. States.
801. **uniformis** DYAR, Jn. N. Y. Ent. Soc., vi, 33, 1898; Va.,
HAMPSON, C. no. 246. Md.
802. **cephalica** GROTE & ROBINSON, Trans. Am. Ent. Col.,
Soc., iii, 176, 1870; NEUMOEGEN & DYAR, Jn. Ariz.
N. Y. Ent. Soc., i, 109, 1893.
803. **casta** SANBORN, Packard's Guide Stud. Ins., 284, No. U. S.,
1869; HAMPSON, C. no. 247. Can.
- syn. *candida* HY. EDWARDS.
804. **lithosioides** DYAR, Jn. N. Y. Ent. Soc., vi, 33, 1898; Tex.
HAMPSON, C. no. 245.

PALPIDIA Dyar.

DYAR, Jn. N. Y. Ent. Soc., vi, 33, 1898; HAMPSON, C. 513.

805. **pallidior** DYAR, Jn. N. Y. Ent. Soc., vi, 34, 1898; Fla.
HAMPSON, C. no. 1103.

LEXIS Wallengren.

WALLENGREN, Vet. Akad. Handl., (2), 5, (4), 41, 1865; HAMPSON, C. 115.

806. **bicolor** GROTE, Proc. Ent. Soc. Phil., iii, 74, 1864; No. States,
HAMPSON, C. no. 224. Can.
syn. *argillacea* PACKARD.

HYPOPREPPIA Hübner.

HÜBNER, Zutr. exot. Schmett., iii, 21, 1825; HAMPSON, C. 515.

807. *miniata* KIRBY, Faun. Bor. Am., iv, 305, 1837; Atl.
HAMPSON, C. no. 1108. States.
syn. *vittata* HARRIS.
a. subornata NEUMOEGEN & DYAR, Can. Ent., xxv,
124, 1893.
808. *fucosa* HÜBNER, Zutr. exot. Schmett., f. 471, 1825; Atl.
HAMPSON, C. no. 1109. States.
syn. *tricolor* FITCH.
a. plumbea HY. EDWARDS, Ent. Amer., ii, 9, 1886.
809. *cadaverosa* STRECKER, Proc. Dav. Acad. Sci., ii, Rocky
270, 1878; HAMPSON, C. no. 1110. Mts.
810. *inculta* HY. EDWARDS, Pap., ii, 13, 1882; HAMP- Col.
SON, C. no. 1111.

HÆMATOMONIS Hampson.

HAMPSON, Cat. Lep. Phal. Brit. Mus., ii, 514, 1900.

811. *mexicana* DRUCE, Biol. Cent. Am., Lep. Het., i, Mex.,
131, 1885; HAMPSON, C. no. 1106. Ariz.

COMACLA Walker.

WALKER, Cat. Brit. Mus., vii, 1679, 1856; HAMPSON, C. 338.

812. *simplex* WALKER, Cat. Brit. Mus., vii, 1679, 1856; Rocky Mts.,
HAMPSON, C. no. 712. Tex.
syn. *murina* WALKER, *clarus* GROTE & ROBIN-
SON, *texana* FRENCH, Can. Ent., xxxi, 9, 1899.
813. *fuscipes* GROTE, Can. Ent., xi, 86, 1883; NEU- Ariz.
MOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 114, 1893.

NEOPLYNES Hampson.

HAMPSON, Cat. Lep. Phal. Brit. Mus., ii, 520, 1900.

814. *eudora* DYAR, Ent. News, v, 198, 1894; HAMPSON, Tex.
C. no. 1117.

BRUCEIA Neumoegen.

NEUMOEGEN, Jn. N. Y. Ent. Soc., i, 36, 1893; HAMPSON, C. 514.

815. *pulverina* NEUMOEGEN, Jn. N. Y. Ent. Soc., i, 36, Col.
1893; HAMPSON, C. no. 1105.
816. *hubbardi* DYAR, Jn. N. Y. Ent. Soc., vi, 33, 1898. Ariz.

CLEMENSIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 100, 1864; HAMPSON, C. 398.

817. *albata* PACKARD, Proc. Ent. Soc. Phil., iii, 100, 1864; HAMPSON, C. no. 853. No. U. S., Cal., Mex.
 syn. *albida* WALKER, *cana* WALKER, *umbrata*, PACKARD, *irrorata* HY. EDWARDS, *patella* DRUCE, *philodina* DRUCE.
- *818. *lactea* STRETCH, Ent. Amer., i, 103, 1883; HAMPSON, C. no. 792. Cal.

OZONADIA Dyar.

DYAR, Psyche, viii, 359, 1899; HAMPSON, C. 365.

819. *schwarziorum* DYAR, Psyche, viii, 359, 1899; HAMPSON, C. no. 769. Mex., Ariz.
820. *unifascia* GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 175, 1868; HAMPSON, C. no. 770. So. Atl. States.
a. tenuifascia HARVEY, Bull. Buff. Soc., iii, 4, 1875.

ILLICE Walker.

WALKER, Cat. Brit. Mus., xix, 1019, 1859; HAMPSON, C. 363.

821. *subjecta* WALKER, Cat. Brit. Mus., ii, 534, 1854; HAMPSON, C. no. 776. So. Atl. States.
 syn. *packardii* GROTE.
a. striata OTTOLENGUI, Can. Ent., xxx, 101, 1898; HAMPSON, C. no. 777.
822. *plumbea* STRETCH, Ent. Amer., i, 102, 1885; HAMPSON, C. no. 787. Tex.
823. *faustinula* BOISDUVAL, Ann. Soc. Ent. Belg., xii, 73, 1868; HAMPSON, C. no. 787. Cal.
a. fusca STRETCH, Zyg. Bomb. N. A., 49, 1872.
824. *nexa* BOISDUVAL, Ann. Soc. Ent. Belg., xii, 74, 1868; HAMPSON, C. no. 785. Cal.
 syn. *grisca* PACKARD, *deserta* FELDER.

Family ARCTIIDÆ.

(C.=HAMPSON, Cat. Lep. Phal. Brit. Mus., iii, 1901.)

PTYCHOGLENE Felder.

FELDER, Reise Novara, Lep., iv, pl. 106, f. 26, 1874.

- *825. *coccinea* HY. EDWARDS, Ent. Amer., ii, 9, 1886. Ariz.

826. *phrada* DRUCE, Ann. Mag. Nat. Hist., (6), iv, 90, 1889; HAMPSON, C. ii, no. 507. Ariz., Mex.
 syn. *flammans* DYAR, Jn. N. Y. Ent. Soc., vi, 39, 1898.

827. *sanguineola* BOISDUVAL, Lép. Guat., 95, 1870; HAMPSON, C. ii, no. 505. Ariz., Mex.

EUBAPHE Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 9, 1823; HAMPSON, C. 188.

828. *læta* GUÉRIN, Icon. Ins., pl. 88, f. 6, 1829; HAMPSON, C. no. 1567. Atl. States.

syn. *treatii* GROTE, *rubropicta* PACKARD.

829. *intermedia* GRAEF, Ent. Amer., iii, 42, 1887; HAMPSON, C. no. 1575. Tex., Col.

a. *parvula* NEUMOEGEN & DYAR, Ent. News, iv, 140, 1893.

syn. *cocciniceps* SCHAU, Ann. Mag. Nat. Hist., (7), vii, 269, 1901; HAMPSON, C. no. 1565.

830. *ostenta* HY. EDWARDS, Pap., i, 12, 1881; HAMPSON, C. no. 1568. Ariz.

831. *fragilis* STRECKER, Rep. Eng. Ruffner, v, app., 1859, 1878; HAMPSON, C. no. 1574. Tex.

syn. *costata* STRETCH, *opelloides* GRAEF.

832. *opella* GROTE, Proc. Ent. Soc. Phil., i, 345, 1863; HAMPSON, C. no. 1576. Atl. States.

syn. *obscura* STRECKER, *rubricosta* EHRMAN.

a. *nigricans* REAKIRT, Proc. Ent. Soc. Phil., ii, 371, 1864.

syn. *nigrifera* WALKER.

b. *belmaria* EHRMAN, Can. Ent., xxvii, 345, 1895.

833. *immaculata* REAKIRT, Proc. Ent. Soc. Phil., ii, 372, 1864; SMITH, Can. Ent., xxi, 195, 1889. Atl. States.

a. *trimaculosa* REAKIRT, Proc. Ent. Soc. Phil., ii, 372, 1864.

834. *aurantiaca* HÜBNER, Zutr. exot. Schmett., f. 411, 1825; HAMPSON, C. no. 1573. Atl. States to Rocky Mts., Mex.

a. *rubicundaria* HÜBNER, Zutr. exot. Schmett., f. 511, 1825.

syn. *rosa* FRENCH, *diminutiva* GRAEF.

b. *ferruginosa* WALKER, Cat. Brit. Mus., ii, 535, 1854; SMITH, Can. Ent., xxi, 195, 1889.

c. *brevicornis* WALKER, Cat. Brit. Mus., ii, 536, 1855.

syn. *belfragei* STRETCH.

d. quinaría GROTE, Proc. Ent. Soc. Phil., ii, 30, 1863.

syn. *choriona* REAKIRT, *bimaculata* SAUNDERS.

DODIA Dyar.

DYAR, Jn. N. Y. Ent. Soc., ix, 85, 1901.

835. *albertæ* DYAR, Jn. N. Y. Ent. Soc., ix, 85, 1901. Alberta.

UTETHEISA Hübner.

HÜBNER, Verz. bek. Schmett., 168, 1823; HAMPSON, C. 480.

836. *bella* LINNÆUS, Syst. Nat., 534, 1858; HAMPSON, C. no. 2091. Atl. States.

a. hybrida BUTLER, Trans. Ent. Soc. Lond., 361, 1877.

syn. *intermedia* BUTLER.

b. terminalis NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., 1, 162, 1893.

c. venusta DALMAN, Anal. Ent., 28, 1823.

syn. *speciosa* WALKER.

837. *ornatrix* LINNÆUS, Syst. Nat., 511, 1758; HAMPSON, C. no. 2090. Fla., Antilles, So. Am.

a. stretchii BUTLER, Trans. Ent. Soc. Lond., 361, 1877.

syn. *pura* BUTLER.

HAPLOA Hübner.

HÜBNER, Verz. bek. Schmett., 182, 1822; SMITH, Proc. U. S. Nat. Mus., 338, 1887; LYMAN, Can. Ent., xix, 181, 1887; HAMPSON, C. 492.

838. *clymene* BROWN, Ill. Zool., 96, 1776; HAMPSON, C. no. 2099. Atl. States.

syn. *interruptomarginata* DE BEAUVOIS, *comma* WALKER.

839. *colona* HÜBNER, Eur. Schmett., ii, 135, 1804; HAMPSON, C. no. 2100. Atl. States.

syn. *carolina* HARRIS.

a. reversa STRETCH, Ent. Amer., i, 104, 1885.

syn. *suffusa* SMITH.

b. fulvicosta CLEMENS, Proc. Acad. Nat. Sci. Phil., 536, 1861; HAMPSON, C. no. 2103.

syn. *duplicata* NEUMOEGEN & DYAR.

c. consita WALKER, Cat. Brit. Mus., xxxii, 377, 1865.

syn. *lactata* SMITH.

d. triangularis SMITH, Ent. News, x, 126, 1899.

840. *lecontei* BOISDUVAL, Icon. Reg. An., Ins., 517, 1829; HAMPSON, C. no. 2101. Atl. States.
 syn. *leucomelas* HERRICH-SCHAEFFER.
a. dyari MERRICK, Ent. News, xii, 45, 1901.
b. confinis WALKER, Cat. Brit. Mus., iii, 651, 1855.
c. militaris HARRIS, Rep. Ins. Mass., 243, 1841.
d. harrisii DYAR (oblique band broken).
e. smithii DYAR (marks broken and confused).
f. vestalis PACKARD, Proc. Ent. Soc. Phil., iii, 108, 1864; HAMPSON, C. no. 2105.
841. *confusa* LYMAN, Can. Ent., xix, 185, 1887; HAMPSON, C. no. 2104. No. Atl. States.
a. lymani DYAR (marks broken and reduced).
842. *contigua* WALKER, Cat. Brit. Mus., iii, 651, 1855; HAMPSON, C. no. 494. Atl. States.
a. lumbonigera DYAR (outer band broken or absent).

EUERYTHRA Harvey.

HARVEY, Can. Ent., viii, 5, 1876; HAMPSON, C. 254.

843. *phasma* HARVEY, Can. Ent., viii, 5, 1876; HAMPSON, C. no. 1695. Tex.
844. *trimaculata* SMITH, Ent. Amer., iii, 17, 1887; HAMPSON, C. no. 1696. Tex.

ECPANTHERIA Hübner.

HÜBNER, Verz. bek. Schmett., 183, 1822; HAMPSON, C. 365.

845. *muzina* OBERTHUR, Étud. d'Ent., pl. 12, f. 4, 1881; HAMPSON, C. no. 1928. Tex., Mex.
 syn. *albicollis* OBERTHUR, *thiemei* OBERTHUR, *abscondens* OBERTHUR, *depauperata* OBERTHUR, *garzoni* OBERTHUR, *xanthonota* OBERTHUR, *yukatanensis* OBERTHUR, *sennettii* LINTNER.
846. *deflorata* FABRICIUS, Syst. Ent., 582, 1775; HAMPSON, C. no. 1918. So. Atl. States, Mex.
 syn. *scribonia* STOLL, *chryseis* OLIVIER, *occulatissima* SMITH & ABBOT.
a. confluens OBERTHUR, Étud. d'Ent., 110, 1884.
b. denudata SLOSSON, Ent. News, iii, 212, 1888.

TURUPTIANA Walker.

WALKER, Char. Lep. Het., 19, 1869; HAMPSON, C. 425.

847. *permaculata* PACKARD, Fourth Rept. Peab. Acad. Sci., 80, 1872; HAMPSON, C. no. 1995. Rocky Mts., Ariz.
 syn. *reducta* GROTE, *cæca* STRECKER.

LEPTARCTIA Stretch.

STRETCH, Zyg. Bomb. N. A., 118, 1873; HAMPSON, C. 220.

848. *californiæ* WALKER, Cat. Brit. Mus., iii, 625, 1855; HAMPSON, C. no. 1634. Rocky Mts., Pac. States.
 syn. *lena* BOISDUVAL, *adnata* BOISDUVAL, *fulcofasciata* BUTLER, *wrightii* FRENCH.
- a. decia* BOISDUVAL, Ann. Soc. Ent. Belg., xii, 72, 1869.
 syn. *boisduvalii* BUTLER, *latifasciata* BUTLER, *albifascia* FRENCH, *occidentalis* FRENCH.
- b. dimidiata* STRETCH, Zyg. Bomb. N. A., 123, 1873.
 syn. *stretchii* BUTLER.

SEIRARCTIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 119, 1864; HAMPSON, C. 422.

849. *echo* SMITH & ABBOT, Lep. Ins. Ga., ii, 135, 1797; HAMPSON, C. no. 1989. So. States.
 syn. *niobe* STRECKER.

ALEXICLES Grote.

GROTE, Trans. Kans. Acad. Sci., viii, 46, 1882.

- *850. *aspersa* GROTE, Trans. Kans. Acad. Sci., viii, 46, 1882; HAMPSON, C. no. 1853. N. Mex.

ESTIGMENE Hübner.

HÜBNER, Verz. bek. Schmett., 184, 1822; HAMPSON, C. 338.

851. *acræa* DRURY, Ill. Exot. Ent., i, pl. 3, f. 2, 1770; HAMPSON, C. no. 1868. U. S., Mex.
 syn. *caprotina* DRURY, *menthastrina* MARTYN, *pseuderminea* PECK, *californica* PACKARD, *packardii* SCHAUPP, *klagesii* EHRMAN.
- a. dubia* WALKER, Cat. Brit. Mus., iii, 682, 1856.
 syn. *rickseckeri* BEHR, Zoe, iv, 247, 1895; SKINNER, Ent. News, vi, 186, 1895.
- b. mexicana* HAMPSON, Cat. Lep. Phal. Brit. Mus., iii, 345, 1901.
852. *albida* STRETCH, Zyg. Bomb. N. A., 203, 1873; HAMPSON, C. no. 1869. So. Cal.
853. *prima* SLOSSON, Ent. Amer., v, 40, 1889; HAMPSON, C. no. 1869. No. Atl. States.
854. *congrua* WALKER, Cat. Brit. Mus., iii, 669, 1856. Atl. States, Col.
 syn. *antigone* STRECKER; HAMPSON, C. no. 1871.
- a. athena* STRECKER, Lep. Rhop. Het., suppl. 2, 4, 1899.

HYPHANTRIA Harris.

HARRIS, Rep. Ins. Mass., 255, 1841; HAMPSON, C. 335.

855. *cunea* DRURY, Ill. Exot. Ent., i, pl. 18, f. 4, 1770; So. Atl.
HAMPSON, C. no. 1852. States.
- syn. *budea* HÜBNER, *punctatissima* SMITH &
ABBOT, *punctata* FITCH, *pallida* PACKARD,
suffusa STRECKER, *brunnea* STRECKER, Lep.
Rhop. Het., suppl. 3, 28, 1900.
856. *textor* HARRIS, Rep. Ins. Mass., 255, 1841. U. S.
syn. *candida* WALKER.

ARACHNIS Geyer.

GEYER, Zutr. exot. Schmett., f. 457, 1873; HAMPSON, C. 319.

857. *picta* PACKARD, Proc. Ent. Soc. Phil., iii, 126, So.
1864; HAMPSON, C. no. 1942. Cal.,
- a. maia* OTTOLENGUI, Ent. News, vii, 125, 1896. Col.
- b. citra* NEUMOEGEN & DYAR, Ent. News, iv, 140,
1893.
- c. hampsoni* DYAR (HAMPSON, C. 392, subsp. 2).
- d. perotensis* SCHAUS, Ent. Amer., v, 190, 1889.
858. *zuni* NEUMOEGEN, Ent. Amer., vi, 173, 1890; Ariz.
HAMPSON, C. no. 1944.

ISIA Walker.

WALKER, Cat. Brit. Mus., vii, 1698, 1856; *Pyrrharcia* PACKARD, Proc. Ent. Soc. Phil.,
iii, 120, 1864.

859. *isabella* SMITH & ABBOT, Lep. Ins. Ga., ii, 131, U. S.
1797; HAMPSON, C. no. 1821.
- syn. *californica* PACKARD.

PHRAGMATOBIA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., ii, 73, 1830; HAMPSON, C. 233.

860. *fuliginosa* LINNÆUS, Syst. Nat., i, 509, 1758; No. States,
HAMPSON, C. no. 1672. Eur.
- syn. *rubricosa* HARRIS.
- a. borealis* STAUDINGER, Cat. Lep. Eur., 59, 1871.
- b. fervida* STAUDINGER, Cat. Lep. Eur., 59, 1871.
- c. subnigra* MILLIÈRE, Lep., vi, pl. 8, f. 7, 1881.
- d. pulverulenta* ALPHERAKY, Rom. Mém. Lép., v,
84, 1889.
861. *assimilans* WALKER, Cat. Brit. Mus., iii, 630, No. Atl.
1855; HAMPSON, C. no. 1673. States.
- a. franconica* SLOSSON, Ent. News, ii, 41, 1891.

DIACRISIA Hübner.

HÜBNER, Verz. bek. Schmett., 196, 1827; HAMPSON, C. 256; *Rhagonis* WALKER, Trans. Ent. Soc. Lond., (3), i, 270, 1862.

862. *virginica* FABRICIUS, Syst. Ent., suppl., 437, 1798; U. S.
HAMPSON, C. no. 1710.

a. fumosa STRECKER, Lep. Rhop. Het., suppl. 3,
28, 1900.

863. *latipennis* STRETCH, Zyg. Bomb. N. A., 133, 1872; Atl.
HAMPSON, C. no. 1706. States.

864. *rubra* NEUMOEGEN, Pap., i, 79, 1881; HAMPSON, No. Pac.
C. no. 1797. States.

a. walsinghamsi BUTLER, Ann. Mag. Nat. Hist.,
(5), viii, 311, 1881.

b. danbyi NEUMOEGEN, Ent. News, iv, 141, 1893.

865. *vagans* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, Pac.
322, 1852; HAMPSON, C. no. 1796. States.

syn. *pteridis* HY. EDWARDS, *bicolor* WALKER,
Trans. Ent. Soc. Lond., (3), i, 270, 1862.

a. rufula BOISDUVAL, Bull. Soc. Ent. Fr., (3), iii,
32, 1855.

syn. *punctata* PACKARD, *proba* HY. EDWARDS.

MÆNAS Hübner.

HÜBNER, Verz. bek. Schmett., 167, 1827; HAMPSON, C. 247.

866. *vestalis* PACKARD, Proc. Ent. Soc. Phil., iii, 125, Pac.
1864; HAMPSON, C. no. 1680. States.

a. amelaina DYAR, Psyche, vi, 512, 1893.

NEOARCTIA Neumoegen & Dyar.

NEUMOEGEN & DYAR, Ent. News, iv, 141, 1893; HAMPSON, C. 233.

867. *brucei* HY. EDWARDS, Ent. Amer., iii, 183; HAMP- Col.
SON, C. no. 1666.

868. *beanii* NEUMOEGEN, Can. Ent., xxiii, 123, 1891; No. Rocky
HAMPSON, C. no. 1670. Mts.

a. fuscata NEUMOEGEN, Can. Ent., xxiii, 124, 1891.

*869. *yarrowi* STRETCH, Zyg. Bomb. N. A., 221, 1873; Ariz.,
HAMPSON, C. no. 1671. Can.

a. remissa HY. EDWARDS, Ent. Amer., iii, 184, 1888.

HYPHORAIA Hübner.

HÜBNER, Verz. bek. Schmett., 182, 1822; HAMPSON, C. 232.

870. *lapponica* THUNBERG, Diss. Ent., ii, 40, 1791; Arctic
HAMPSON, C. no. 1635. Am.
- syn. *hyperborea* CURTIS, *alpina* QUENSEL, *thulea*
DALMAN, *avia* HÜBNER.
871. *subnebulosa* DYAR, Ent. News, x, 130, 1899; Alaska.
HAMPSON, C. no. 1635a.
872. *parthenos* HARRIS, Agassiz's Lake Sup., 309, pl. No. Atl.
7, f. 4, 1850; HAMPSON, C. no. 1639. States.
- syn. *borealis* MÖSCHLER.

PLATYPREPIA Dyar.

DYAR, Can. Ent., xxix, 215, 1897.

873. *virginalis* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, No. Pac.
321, 1852; SMITH, Can. Ent., xxi, 215, 1889. States, Col.
- syn. *ochracea* STRETCH.
- a. guttata* BOISDUVAL, Ann. Soc. Ent. Fr., (2), x,
321, 1852.

APANTESIS Walker.

WALKER, Cat. Brit. Mus., iii, 631, 1855; HAMPSON, C. 395.

874. *virgo* LINNÆUS, Syst. Nat., 501, 1758; HAMPSON, Atl.
C. no. 1948. States.
- a. citrinaria* NEUMOEGEN & DYAR, Ent. News, iv,
142, 1893.
875. *virguncula* KIRBY, Faun. Bor. Am., iv, 304, 1837; No. Atl.
HAMPSON, C. no. 1957; GIBSON, Can. Ent., xxxiii, States.
325, 1901.
- syn. *speciosa* MÖSCHLER.
- a. otiosa* NEUMOEGEN & DYAR, Ent. News, iv, 142,
1893.
876. *michabo* GROTE, Can. Ent., vii, 197, 1875; HAMP- Atl.
SON, C. no. 1951. States.
- a. minea* SLOSSON, Ent. News, iii, 257, 1892.
877. *intermedia* STRETCH, Zyg. Bomb. N. A., 216, 1874; So. Atl.
NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 7, States.
1894.
- a. stretchii* GROTE, Can. Ent., vii, 197, 1875.
878. *parthenice* KIRBY, Faun. Bor. Am., iv, 204, 1837; No. Atl.
HAMPSON, C. no. 1949. States.
- syn. *saundersii* GROTE.
- a. approximata* STRETCH, Ent. Amer., i, 104, 1885.

879. *oithona* STRECKER, Lep. Rhop. Het., 131, 1877. Atl. States,
a. rectilinea FRENCH, Can. Ent., xi, 45, 1879; Miss.
 HAMPSON, C. no. 1950. Vall.
880. *anna* GROTE, Proc. Ent. Soc. Phil., ii, 433, 1863; Atl.
 HAMPSON, C. no. 1955. States.
- a. persephone* GROTE, Proc. Ent. Soc. Phil., ii,
 433, 1863.
881. *ornata* PACKARD, Proc. Ent. Soc. Phil., iii, 114, Pac.
 1864; HAMPSON, C. no. 1953. States.
- syn. *simplicior* BUTLER, *perpicta* DYAR.
- a. achaia* GROTE & ROBINSON, Trans. Am. Ent.
 Soc., i, 334, 1867.
- syn. *edwardsii* STRETCH.
- b. ochracea* STRETCH, Zyg. Bomb. N. A., 125, 1872.
 syn. *barda* HY. EDWARDS.
882. *arge* DRURY, Ill. Exot. Ent., i, 35, 1770; HAMP- U. S.
 SON, C. no. 1952.
- syn. *dione* FABRICIUS, *incarnatorubra* GOEZE,
calcebs MARTYN, *nerca* BOISDUVAL, *doris* BOIS-
 DUVAL.
- a. nervosa* NEUMOEGEN & DYAR, Ent. News, iv,
 142, 1893.
883. *quensellii* PAYKULL, Act. Hafn., ii, 99, 1793; Arctic Am.,
 HAMPSON, C. no. 1956. Eur.
- syn. *strigosa* FABRICIUS, *gelida* MÖSCHLER,
liturata MÉNÉTRIES, *complicata* WALKER.
- a. turbans* CHRISTOPH, Iris, v, 349, 1892.
- *884. *obliterata* STRETCH, Ent. Amer., i, 105, 1885; (Unknown.)
 HAMPSON, C. no. 1954.
885. *proxima* GUÉRIN-MÉNEVILLE, Icon. Reg. An., ii, So. Cal. to
 514, 1844; HAMPSON, C. no. 1958. Utah, Mex.
- syn. *docta* WALKER, *mexicana* GROTE & ROB-
 INSON, *arizonensis* STRETCH, *mormonica* NEU-
 MOEGEN.
- a. autholea* BOISDUVAL, Ann. Soc. Ent. Belg., xii,
 76, 1869.
- *886. *cervinoides* STRECKER, Proc. Acad. Nat. Sci. Phil., Col.
 xxviii, 151, 1876; HAMPSON, C. no. 1962.
887. *blakei* GROTE, Proc. Ent. Soc. Phil., iii, 523, Rocky Mts.,
 1864. Cal.
- syn. *bolanderi* STRETCH; HAMPSON, C. no. 1959.
888. *nevadensis* GROTE & ROBINSON, Proc. Ent. Soc. Rocky Mts.
 Phil., vi, 1, 1866; HAMPSON, C. no. 1961. to Pacific.
- syn. *behrii* STRETCH.
- a. incorrupta* HY. EDWARDS, Pap., i, 38, 1881.
 syn. *shastaensis* FRENCH.

- b. superba* STRETCH, Zyg. Bomb. N. A., 227, 1873;
HAMPSON, C. no. 1963.
syn. *geneura* STRECKER.
- e. sulphurica* NEUMOEGEN, Ent. Amer., i, 93, 1885.
syn. *ochracea* NEUMOEGEN, *elongata* STRETCH.
889. *williamsii* DODGE, Can. Ent., iii, 167, 1871. Rocky
syn. *villiamsi* HAMPSON, C. no. 1964. Mts.
- a. determinata* NEUMOEGEN, Pap., i, 28, 1881.
syn. *dicckii* NEUMOEGEN.
890. *phyllira* DRURY, Ill. Exot. Ent., i, 15, 1770; So. Atl.
HAMPSON, C. no. 1965. States.
syn. *b-ata* GOEZE, *plantaginis* MARTYN, *dodgei*
BUTLER.
- a. excelsa* NEUMOEGEN, Pap., iii, 70, 1883.
syn. *lugubris* HULST.
- b. favorita* NEUMOEGEN, Ent. Amer., vi, 173,
1890; HAMPSON, C. no. 1960.
891. *celia* SAUNDERS, Proc. Ent. Soc. Phil., ii, 59, No. Atl.
1863. States.
syn. *franconica* HY. EDWARDS.
892. *figurata* DRURY, Ill. Exot. Ent., ii, pl. 12, f. 4, So. States.
1770.
syn. *ceramica* HÜBNER, *f-pallida* STRECKER.
893. *placentia* SMITH & ABBOT, Lep. Ins. Ga., ii, pl. 65. So. States.
1797; HAMPSON, C. no. 1968.
- a. snowi* GROTE, Can. Ent., vii, 197, 1875.
syn. *quadrantata* STRECKER.
- b. flammea* NEUMOEGEN, Pap., i, 9, 1881.
894. *nais* DRURY, Ill. Exot. Ent., i, pl. 7, f. 3, 1770; Atl.
HAMPSON, C. no. 1967. States.
syn. *cuneata* GOEZE, *degloriana* MARTYN,
ochreatea, BUTLER.
895. *vittata* FABRICIUS, Mant. Ins., ii, 127, 1787; Atl.
HAMPSON, C. no. 1966. States.
syn. *decorata* SAUNDERS.
- a. radians* WALKER, Cat. Brit. Mus., iii, 632, 1855.
syn. *colorata* WALKER, *incompletea* BUTLER.
- b. phalerata* HARRIS, Cat. Ins. Mass., 73, 1837.
syn. *rhoda* BUTLER.

KODIOSOMA Stretch.

STRETCH, Zyg. Bomb. N. A., 67, 1872; HAMPSON, C. 413.

896. *fulva* STRETCH, Zyg. Bomb. N. A., 67, 1872; Cal.
HAMPSON, C. no. 1970.
a. nigra STRETCH, Zyg. Bomb. N. A., 68, 1872.
b. eavesii STRETCH, Zyg. Bomb. N. A., 69, 1872.
c. tricolor STRETCH, Zyg. Bomb. N. A., 68, 1872.

ECTYPIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., xii, 529, 1860; HAMPSON, C. 475.

897. *bivittata* CLEMENS, Proc. Acad. Nat. Sci. Phil., Tex.
xii, 529, 1860; HAMPSON, C. no. 2076.
syn. *nigroflava* GRAEF.
*898. *thona* STRECKER, Lep. Rhop. Het., suppl., 4, 1899; New
HAMPSON, C. no. 2075. Mex.

EUVERNA Neumoegen & Dyar.

NEUMOEGEN & DYAR, Ent. News, iv, 141, 1893; HAMPSON, C. 457.

899. *clio* PACKARD, Proc. Ent. Soc. Phil., iii, 120, 1864; Rocky Mts.,
HAMPSON, C. no. 2053. So. Cal.
a. jessica BARNES, Can. Ent., xxxii, 45, 1900.

PARASEMIA Hübner.

HÜBNER, Verz. bek. Schmett., 121, 1822; HAMPSON, C. 458.

900. *plantaginis* LINNÆUS, Syst. Nat., i, 501, 1758; No. Pac.
HAMPSON, C. no. 2054. States, Eur.
syn. *alpicola* SCOPOLI, *hospita* DENIS & SCHIF-
FERMÜLLER, *matronalis* FREY, *caucasica* HER-
RICH-SCHAEFFER, *petrosa* WALKER, *nictitans*
MÉNÉTRIÉS, *cespitalis* GROTE & ROBINSON,
chicorii GROTE & ROBINSON, *macromera* BUT-
LER, *leucomera* BUTLER, *melanomera* BUTLER,
schwynii NEUMOEGEN, *floccosa* GRAESER, *syfa-*
mia GRUMM-GRSHIMAILO, *melas* CHRISTOPH,
flava KILIAN.
a. modesta PACKARD, Proc. Ent. Soc. Phil., iii,
113, 1864.
b. scudderi PACKARD, Proc. Ent. Soc. Phil., iii,
113, 1864.
c. geometrica GROTE, Proc. Ent. Soc. Phil., iv,
318, 1865.
d. geddesi NEUMOEGEN, Pap., iii, 137, 1883.

LERINA Walker.

WALKER, Cat. Brit. Mus., ii, 477, 1854.

901. **incarnata** WALKER, Cat. Brit. Mus., ii, 477, 1854; Druce, Biol. Cent. Am., Lep. Het., ii, 394, pl. 77, f. 14, 1897. Mex., Ariz.?
 syn. *robinsonii* BOISDUVAL; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 107, 1893.

PYGOCTNUCHA Grote.

GROTE, Trans. Kans. Acad. Sci., viii, 46, 1883; *Protosia* HAMPSON, C. ii, 255, 1900.

902. **terminalis** WALKER, Cat. Brit. Mus., ii, 478, 1854. Mex., Ariz.
 syn. *harrisii* BOISDUVAL, Ann. Soc. Ent. Belg., xii, 72, 1869; *pyrrhoura* HULST., *colica* HY. EDWARDS; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 107, 1893.
- *903. **funerea** GROTE, Trans. Kans. Acad. Sci., viii, 46, 1883. N. Mex.

ARCTIA Schrank.

SCHRANK, Faun. Boica, ii, (2), 151, 1802; HAMPSON, C. 463.

904. **caia** LINNÆUS, Syst. Nat., 500, 1758; HAMPSON, C. no. 2059. No. U. S., Eur.
 syn. *erinacea* RETZIUS, *phæosoma* BUTLER, *orientalis* MOORE.
- a. americana* HARRIS, Rep. Ins. Mass., 246, 1841.
- b. wiskotti* STAUDINGER, Hor. Ent. Soc. Ross., xiv, 333, 1878.
 syn. *utahensis* HY. EDWARDS, *auripennis* BUTLER, *transmontana* NEUMOEGEN & DYAR.
- c. opulenta* HY. EDWARDS, Pap., i, 30, 1881.

AMMALO Walker.

WALKER, Cat. Brit. Mus., iii, 622, 1855; HAMPSON, C. 83.

905. **tenera** HÜBNER, Zutr. exot. Schmett., i, 7, f. 3, 4, 1818; HAMPSON, C. no. 1340. Atl. States.
 syn. *collaris* FITCH, *antica* WALKER.
- a. sciurus* BOISDUVAL, Ann. Soc. Ent. Belg., xii, 79, 1869. Cal.
 syn. *yosemite* HY. EDWARDS.
906. **insulata** WALKER, Cat. Brit. Mus., iii, 734, 1855; HAMPSON, C. no. 1339. Fla., Antilles.
 syn. *cadaverosa* GROTE, *affinis* GROTE, *aurata* BUTLER.

907. *eglenensis* CLEMENS, Proc. Acad. Nat. Sci. Phil.,
xii, 533, 1860; HAMPSON, C. no. 1341. So. Atl.
States.
a. inopinatus HY. EDWARDS, Pap., ii, 13, 1882.

EUCHÆTIAS Lyman.

LYMAN, Can. Ent., xxxiv, 27, 1902; *Euchates* HARRIS (not DEJEAN), Rep. Ins. Mass.,
257, 1841; HAMPSON, C. 417.

908. *murina* STRETCH, Ent. Amer., i, 106, 1885; HAMP- Tex.
SON, C. no. 1983.
909. *bolteri* STRETCH, Ent. Amer., i, 106, 1885; HAMP- Tex.
SON, C. no. 1984.
syn. ♂ scepiformis GRAEF.
910. *egle* DRURY, Ill. Exot. Ent., ii, pl. 20, f. 3, 1773; Atl.
HAMPSON, C. no. 1985. States.
a. cyclica HY. EDWARDS, Pap., iii, 148, 1883.
911. *oregonensis* STRETCH, Zyg. Bomb. N. A., 187, No.
1873; HAMPSON, C. no. 1986. States.
912. *pudens* HY. EDWARDS, Pap., ii, 126, 1882; HAMP- Tex.
SON, C. no. 1987.
913. *perlevis* GROTE, Can. Ent., xiv, 196, 1882; HAMP- Ariz.
SON, C. no. 1981.
- *914. *antica* WALKER, Cat. Brit. Mus., vii, 1708, 1856; Ariz.,
HAMPSON, C. no. 1979. Mex.
syn. zonalis GROTE.
914. l. *expressa* HY. EDWARDS, Pap., iv, 60, 1884; Ariz.,
HAMPSON, C. no. 1982. Mex.

PYGARCTIA Grote

GROTE, Can. Ent., iii, 124, 1871; HAMPSON, C. 415.

915. *abdominalis* GROTE, Can. Ent., iii, 124, 1871; Fla.
HAMPSON, C. no. 1975.
916. *vivida* GROTE, Pap., ii, 131, 1882; HAMPSON, C. Tex.
no. 1974.
917. *spraguei* GROTE, Can. Ent., vii, 200, 1875; HAMP- Col.,
SON, C. no. 1973. Kans.
- syn. conspicua* NEUMOEGEN.
918. *elegans* STRETCH, Zyg. Bomb. N. A., 189, 1873; Cal.,
HAMPSON, C. no. 1976. Ariz.,
a. roseicapitis NEUMOEGEN & DYAR, Jn. N. Y. Ent. Mex.
Soc., i, 166, 1890.

HALISIDOTA Hübner.

HÜBNER, Verz. bek. Schmett., 170, 1822; HAMPSON, C. 145.

919. *tessellaris* SMITH & ABBOT, Lep. Ins. Ga., ii, 149, 1797; HAMPSON, C. no. 1498. Atl. States.
syn. *antiphola* WALSH.
920. *harrisii* WALSH, Proc. Ent. Soc. Phil., iii, 430, 1864. Atl. States.
921. *cinctipes* GROTE, Proc. Ent. Soc. Phil., v, 242, 1865; HAMPSON, C. no. 1497. Fla., Tex., Ariz., So. Am.
syn. *davisii* HY. EDWARDS.
922. *maculata* HARRIS, Rep. Ins. Mass., 259, 1841; HAMPSON, C. no. 1481. No. Atl. States.
syn. *fulvoflava* WALKER, *guttifera* HERRICH-SCHAEFFER.
- a. angulifera* WALKER, Lord's Trav. Vanc., ii, 355, 1866. No. Pac. States, Rocky Mts.
syn. *alni* HY. EDWARDS.
- b. agassizii* PACKARD, Proc. Ent. Soc. Phil., iii, 128, 1864. Cal.
syn. *californica* WALKER, *salicis* BOISDUVAL.
923. *caryæ* HARRIS, Rep. Ins. Mass., 258, 1841; HAMPSON, C. no. 1479. Atl. States.
syn. *annulifascia* WALKER, *porphyria* HERRICH-SCHAEFFER.
- *924. *pura* NEUMOEGEN, Pap., ii, 133, 1882; HAMPSON, C. no. 1508. Ariz.
925. *longa* GROTE, Can. Ent., xii, 213, 1880; HAMPSON, C. no. 1508. Fla.
- *926. *otho* BARNES, Can. Ent., xxxiii, 53, 1901. Ariz.

HYPOCRISIAS Hampson.

HAMPSON, Cat. Lep. Phal. Brit. Mus., iii, 216, 1901.

- *927. *minima* NEUMOEGEN, Pap., iii, 138, 1887; HAMPSON, C. no. 1628. Ariz.
syn. *armillata* HY. EDWARDS.

HEMIHYALEA Hampson.

HAMPSON, Cat. Lep. Phal. Brit. Mus., iii, 129, 1901.

928. *edwardsii* PACKARD, Proc. Ent. Soc. Phil., iii, 129, 1864; HAMPSON, C. no. 1437. Cal.
syn. *translucida* WALKER, *quercus* BOISDUVAL.
929. *labecula* GROTE, Pap., i, 174, 1881; HAMPSON, C. no. 1438. Col.

EUSCHAUSIA Dyar.

DYAR, Can. Ent., xxix, 209, 1897.

930. *argentata* PACKARD, Proc. Ent. Soc. Phil., iii, 129, 1864; HAMPSON, C. no. 1476. No. Pac. States.
a. subalpina FRENCH, Can. Ent., xxii, 47, 1890. Col.
b. sobrina STRETCH, Zyg. Bomb. N. A., 87, 1873. Cal.
- *931. *mixta* NEUMOEGEN, Pap., ii, 133, 1882; HAMPSON, C. no. 1479, subsp. 2. Ariz.
932. *ingens* HY. EDWARDS, Pap., i, 39, 1881; HAMPSON, C. no. 1477. Rocky Mts.
 syn. *scapularis* STRETCH.

ÆMILIA Kirby.

KIRBY, Cat. Lep. Het., i, 218, 1892; HAMPSON, C. 182.

933. *ambigua* STRECKER, Proc. Dav. Acad. Sci., ii, 272, 1878; HAMPSON, C. no. 1554. Rocky Mts.
 syn. *bolteri* HY. EDWARDS, *syracosia* DRUCE.
- *934. *roseata* WALKER, App. Lord's Trav. Vanc., 336, 1866; HAMPSON, C. no. 1555. Pac. States.
 syn. *cinnamomea* BOISDUVAL, *sanguivenosa* NEUMOEGEN.
a. significans HY. EDWARDS, Ent. Amer., iii, 182, 1888.
- *935. *occidentalis* FRENCH, Can. Ent., xxii, 46, 1890. Rocky Mts.

EUPSEUDOSOMA Grote.

GROTE, Proc. Ent. Soc. Phil., v, 240, 1865; HAMPSON, C. 27.

936. *involutum* SEPP, Surin. Vlind., iii, pl. 115, 1852; HAMPSON, C. no. 1229. So. Am., Fla.
 syn. *nivea* HERRICH-SCHAEFFER.
a. floridum GROTE, Can. Ent., xiv, 187, 1882.
 syn. *immaculata* GRAEF.

CALIDOTA Dyar.

DYAR, Proc. U. S. Nat. Mus., xxiii, 368, 1900; HAMPSON, C. 432.

937. *strigosa* WALKER, Cat. Brit. Mus., iii, 736, 1855; HAMPSON, C. no. 2004. Fla., Antilles.
 syn. *cubensis* GROTE, *laqueata* HY. EDWARDS.
938. *muricolor* DYAR, Jn. N. Y. Ent. Soc., vi, 38, 1898; HAMPSON, C. no. 2011. Ariz.

939. *zella* DYAR. (Brownish gray, a slightly angular yellowish discal dot; hind wing subhyaline, whitish; abdomen crimson above with small dorsal black points; exp. 25 mm.) Ariz.

BERTHOLDIA Schaus.

SCHAUS, Jb. N. Y. Ent. Soc., iv, 137, 1896; HAMPSON, C. 78.

940. *trigona* GROTE. No. Am. Ent., i, 46, 1879; HAMPSON, C. no. 1332. Col., N. Mex.

PHEGOPTERA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Auss. Schmett., 16, 1850; HAMPSON, C. 117.

941. *astur* CRAMER, Pap. Exot., ii, pl. 120, f. B, 1779; Ariz., Mex.,
HAMPSON, C. no. 1433. So. Am.
syn. *albicans* WALKER, *maculicollis* WALKER,
pustulata PACKARD.

Family AGARISTIDÆ.

(C.=HAMPSON, Cat. Lep. Phal. Brit. Mus., iii, pp. 515-663, 1901.)

MISA Karsch.

KARSCH, Ent. Nach., 349, 1895; HAMPSON, C. 622.

942. *sabulosa* BOISDUVAL, Rev. Zool., ii, (3), 106, 1874; Ariz.,
HAMPSON, C. no. 163. Mex.
syn. *noctuiiformis* MÖSCHLER.

ANDROLOMA Grote.

GROTE, Bull. Buff. Soc. Nat. Sci., i, 30, 1873.

943. *mac-cullochii* KIRBY, Faun. Bor. Am., iv, 301, Can.,
1837; HAMPSON, C. no. 179. Rocky Mts.
a. lorquinii GROTE & ROBINSON, Trans. Am. Ent.
Soc., i, 328, 1868.
944. *similis* STRETCH, Zyg. Bomb. N. A., 14, 1872. Cal.
syn. *edwardsii* BOISDUVAL.
a. conjuncta HY. EDWARDS, Pap., iii, 34, 1883.
*945. *disparata* HY. EDWARDS, Pap., iv, 13, 1884; HAMPSON, C. no. 180. Tex.,
Mex.
syn. *gracilentata* GRAEF, *desperata* KIRBY.
*946. *brannani* STRETCH, Zyg. Bomb. N. A., 8, 1872; Cal.
HAMPSON, C. no. 181.

ALYPIA Hübner.

HÜBNER, Verz. bek. Schmett., 351, 1825; HAMPSON, C. 635.

947. *ridingsii* GROTE, Proc. Ent. Soc. Phil., iii, 521, Rocky
1864; HAMPSON, C. no. 179. Mts.
948. *mariposa* GROTE & ROBINSON, Trans. Am. Ent. Cal.
Soc., i, 329, 1868; HAMPSON, C. no. 185.
- a. lunata* STRETCH, Zyg. Bomb. N. A., 15, 1872.
949. *octomaculata* FABRICIUS, Syst. Ent., 830, 1775; Atl.
HAMPSON, C. no. 182. States.
- syn. *bimaculata* GMELIN, *quadriguttalis* HÜB-
NER, *matuta* HY. EDWARDS.
- a. albomaculata* STOLL, Pap. Exot., pl. 345, f. C,
1782.
950. *wittfeldii* HY. EDWARDS, Pap., iii, 34, 1883. Fla.
- *951. *dipsaci* GROTE & ROBINSON, Trans. Am. Ent. Soc., Tex.,
i, 326, 1868; HAMPSON, C. no. 183. Mex.
952. *langtonii* COUPER, Can. Nat., (2), ii, 64, 1865; Can.,
HAMPSON, C. no. 184. Cal.
- syn. *sacramenti* GROTE & ROBINSON, *hudsonica*
HY. EDWARDS.

ALYPIODES Grote.

GROTE, Trans. Kans. Acad. Sci., viii, 46, 1883; HAMPSON, C. 641.

953. *bimaculata* HERRICH-SCHAEFFER, Ausser. Schmett., So. Cal.,
f. 26, 1853; HAMPSON, C. no. 187. Mex., N. Mex.
- syn. *trimaculata* BOISDUVAL.
- a. crescens* WALKER, Cat. Brit. Mus., vii, 1774
1856.
- syn. *grotei* BOISDUVAL, *flavilinguis* GROTE.
- b. dugesii* COCKERELL, Ent. News, vi, 201, 1895.

PSEUDALYPIA Hy. Edwards.

HY. EDWARDS, Proc. Cal. Acad. Sci., v, 101, 1874; HAMPSON, C. 634.

- *954. *crotchii* HY. EDWARDS, Proc. Cal. Acad. Sci., v, Cal.
101, 1874; HAMPSON, C. no. 178.
- a. atrata* HY. EDWARDS, Pap., iv, 121, 1884.
955. *geronimo* BARNES, Can. Ent., xxxii, 44, 1900. Ariz.

COPIDRYAS Grote.

GROTE, Can. Ent., viii, 99, 1876.

956. *gloveri* GROTE & ROBINSON, Trans. Am. Ent. Tex.,
Soc., ii, 185, 1868; HAMPSON, C. no. 154. Ariz.

Family NOCTUIDÆ.

(C.=SMITH, Bull. 44, U. S. Nat. Mus., 1893.)

Subfamily NOCTUINÆ.

PANTHEA Hübner.

HÜBNER, Verz. bek. Schmett., 203, 1816; SMITH, C. 31.

957. *furcilla* PACKARD, Proc. Ent. Soc. Phil., iii, 374, 1864; SMITH, C. 31; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 15, 1898. Atl. States.
958. *portlandia* GROTE, Mitth. Roem. Mus. Hild., 14, 1896; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 17, 1898. Pac. States.
959. *gigantea* FRENCH, Can. Ent., xxii, 134, 1890; SMITH, C. 31; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 16, 1898. Col.
960. *acronyctoides* WALKER, Can. Nat. Geol., vi, 37, 1861; SMITH, C. 31; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 18, 1898. Atl. States.
syn. *leucomelana* MORRISON, *cucomelana* SMITH, C. 31.

DEMAS Stephens.

STEPHENS, Ill. Brit. Ent., Haust., ii, 59, 1829.

961. *propinquilinea* GROTE, Trans. Am. Ent. Soc., iv, 293, 1873; SMITH C. 32; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 20, 1898. Atl. States.
962. *flavicornis* SMITH, Bull. Brook. Ent. Soc., vii, 3, 1884; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 22, 1898. Atl. States.
963. *palata* GROTE, Can. Ent., xii, 258, 1880; SMITH, C. 31; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 23, 1898. Col., Ariz.

CHARADRA Walker.

WALKER, Cat. Brit. Mus., xxxii, 445, 1865.

964. *deridens* GUÉNÉE, Spec. Gén., v, 35, 1852; SMITH, C. 32; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 25, 1898. Atl. States.
syn. *circulifera* WALKER, *contigua* WALKER.
965. *dispulsa* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 213, 1874; SMITH, C. 33; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 27, 1898. So. States.

- 966 *decora* MORRISON, Proc. Acad. Nat. Sci. Phil., 55, Mex.,
1875; SMITH, C. 33; SMITH & DYAR, Proc. U. S. Ariz.?
Nat. Mus., xxi, 28, 1898.
syn. *felina* DRUCE, Biol. Cent. Am., Lep. Het.,
ii, 471, 1898.
- *967. *illudens* WALKER, Cat. Brit. Mus., ix, 37, 1856. Mex., Fla.
syn. *pythion* DRUCE, Biol. Cent. Am., Lep.
Het., i, 259, 1889; ii, 471, 1892.

RAPHIA Hübner.

- HÜBNER, Verz. bek. Schmett., 212, 1816; *Certila* WALKER, Cat. Brit. Mus., xxxii, 448,
1865; *Satigena* WALKER, Cat. Brit. Mus., xxxii, 605, 1865.
968. *frater* GROTE, Proc. Ent. Soc. Phil., ii, 435, 1863; Atl.
SMITH, C. 32. States.
- syn. *personata* WALKER, *flexuosa* WALKER, Cat.
Brit. Mus., xxxii, 449, 1865.
969. *coloradensis* PUTNAM-CRAMER. Ent. Am., ii, 142, Col.,
1886; SMITH, C. 32. Cal.
- syn. *pallula* HY. EDWARDS.
970. *abrupta* GROTE, Proc. Ent. Soc. Phil., ii, 336, Atl. States,
1863; SMITH, C. 32. Col.

APATELA Hübner.

- HÜBNER, Tent., 1810; *Acronicta* OCHSENHEIMER, Schm. Eur., iv, 62, 1816; SMITH &
DYAR, Proc. U. S. Nat. Mus., xxi, 28, 1898; *Triana* HÜBNER, Verz. bek. Schmett.,
200, 1816; *Hyloina* HÜBNER, Verz. bek. Schmett., 200, 1816; *Jochara* HÜBNER,
Verz. bek. Schmett., 201, 1816; *Arctomyeis* HÜBNER, Verz. bek. Schmett., 202,
1816; *Phaetra* HÜBNER, Verz. bek. Schmett., 202, 1816; *Megacrorycta* GROTE, Bull.
Buff. Soc., i, 79, 1873; *Lepitoreauna* GROTE, Bull. Buff. Soc., i, 80, 1873; *Eulonche*
GROTE, Bull. Buff. Soc., i, 81, 1873; *Mastiphanes* GROTE, New Ch. List, 23, 1882;
Merolonche GROTE, New Ch. List, 23, 1882; *Cuspida* CHAPMAN, Ent. Rec., i, 27,
1890; *Viminia* CHAPMAN, Ent. Rec., i, 26, 1890; *Tricholonche* GROTE, Die Apateliden,
16, 1896; *Philorgyia* GROTE, Die Apateliden, 17, 1896.
971. *rubricoma* GUENÉE, Spec. Gén., v, 49, 1852; So. Atl.
SMITH, C. 42; SMITH & DYAR, Proc. U. S. Nat. States.
Mus., xxi, 42, 1898.
972. *americana* HARRIS, Rep. Ins. Mass., 317, 1841; Atl.
SMITH, C. 40. States.
- syn. *acericola* GUENÉE, Spec. Gén., v, 48, 1852;
SMITH, C. 41; *obscura* HY. EDWARDS, Ent.
Amer., ii, 169, 1886; SMITH & DYAR, Proc.
U. S. Nat. Mus., xxi, 44, 1898.
973. *hastulifera* SMITH & ABBOT, Lep. Ins. Ga., ii, 183, Atl.
1797; SMITH, C. 41; SMITH & DYAR, Proc. U. S. States.
Nat. Mus., xxi, 47, 1898.
974. *hesperida* SMITH, Ent. News, viii, 148, 1897; SMITH Pac.
& DYAR, Proc. U. S. Nat. Mus., xxi, 49, 1898. States.

975. *dactylina* GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 239, 1874; SMITH, C. 40; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 51, 1898. Atl. States.
976. *felina* GROTE, Bull. Geol. Surv. Terr., v, 208, 1880; SMITH, C. 39; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 53, 1898. Pac. States.
977. *frigida* SMITH, Ent. News, viii, 148, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 54, 1898. Pac. States.
978. *pacifica* SMITH, Ent. News, viii, 148, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 56, 1898. Pac. States.
979. *insita* WALKER, Cat. Brit. Mus., ix, 61, 1856; SMITH, C. 41; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 56, 1898. Atl. States.
980. *canadensis* SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 57, 1898; SMITH, Can. Ent., xxxii, 334, 1900. No. Rocky Mts.
981. *cretata* SMITH, Ent. News, viii, 148, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 58, 1898. Col.
982. *leporina* LINNÆUS, Syst. Nat., 109, 1766; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 59, 1898. Atl. States, Eur.
syn. *vulpina* GROTE; SMITH, C. 40; *sancta* HY. EDWARDS.
983. *populi* RILEY, 2d Rept. Ins. Mo., 119, 1870; SMITH, C. 40; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 61, 1898. Atl. States.
984. *lepusculina* GUENÉE, Spec. Gén., v, 46, 1852; SMITH, C. 39; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 63, 1898. Atl. States.
985. *cinderella* SMITH, Ent. News, viii, 149, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 64, 1898. Rocky Mts.
986. *transversata* SMITH, Ent. News, viii, 149, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 65, 1898. Col.
987. *tota* GROTE, No. Am. Ent., i, 12, 1879; SMITH, C. 39; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 66, 1898. Tex.
988. *innotata* GUENÉE, Spec. Gén., v, 50, 1852; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 73, 1898. Atl. States.
syn. *gracili* GROTE.
989. *betulæ* RILEY, Bull. Brook. Ent. Soc., vii, 2, 1884; SMITH, C. 37; SMITH & DYAR, Proc. U. S. Nat. Mus., xxxi, 75, 1898. Atl. States.

990. *morula* GROTE, Trans. Am. Ent. Soc., ii, 196, 1868; SMITH, C. 36; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 76, 1898. Atl. States.
syn. *ulmi* HARRIS.
991. *interrupta* GUENÉE, Spec. Gén., v, 46, 1852. Atl. States.
syn. *occidentalis* GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 16, 1866; SMITH, C. 35; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 79, 1898.
992. *lætifica* SMITH, Ent. News, viii, 150, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 89, 1898. Atl. States.
993. *lobeliæ* GUENÉE, Spec. Gén., v, 44, 1852; SMITH C. 36; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 82, 1898. Atl. States.
994. *furcifera* GUENÉE, Spec. Gén., v, 44, 1852; SMITH, C. 37; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 85, 1898. Atl. States.
995. *hasta* GUENÉE, Spec. Gén., v, 45, 1852; SMITH, C. 36; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 87, 1898. Atl. States.
syn. *telum* GUENÉE.
996. *manitoba* SMITH, Ent. News, viii, 150, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 90, 1898. Man.
997. *thoracica* GROTE, No. Am. Ent., i, 94, 1879; SMITH, C. 37; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 91, 1898. N. Mex.
998. *strigulata* SMITH, Ent. News, viii, 150, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 92, 1898. Col.
999. *radcliffei* HARVEY, Bull. Buff. Soc., ii, 270, 1875; SMITH, C. 39; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 107, 1898. Atl. States.
1000. *quadrata* GROTE, Bull. Buff. Soc., ii, 154, 1874; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 106, 1898. So. States.
1001. *spinigera* GUENÉE, Spec. Gén., v, 45, 1852; SMITH, C. 39; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 122, 1898. Atl. States.
syn. *harveyana* GROTE, Proc. Acad. Nat. Sci. Phil., 418, 1875; SMITH, C. 39.
1002. *clarescens* GUENÉE, Spec. Gén., v, 54, 1852. Atl. States.
syn. *pruni* HARRIS, Ent. Corr., 313, 1869; SMITH, C. 44; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 123, 1898; SMITH, Can. Ent., xxxii, 335, 1900.

1003. **hamamelis** GUENÉE, Spec. Gén., v. 52, 1852; SMITH, C. 44; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 141, 1898. Atl. States.
syn. *subochrea* GROTE, Bull. Buff. Soc., ii, 153, 1874; SMITH, C. 42.
1004. **superans** GUENÉE, Spec. Gén., v. 53, 1852; SMITH, C. 43; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 119, 1898. Atl. States.
1005. **lithospila** GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 240, 1874; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 89, 1898. Atl. States.
1006. **tritona** HÜBNER, Zutr. exot. Schmett., f. 107, 1818; SMITH, C. 37; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 104, 1898. Atl. States.
1007. **connecta** GROTE, Bull. Buff. Soc., i, 79, 1873; SMITH, C. 43; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 115, 1898; DYAR, Jn. N. Y. Ent. Soc., vii, 253, 1899. Atl. States.
1008. **funeralis** GROTE, Proc. Ent. Soc. Phil., vi, 17, 1866; SMITH, C. 43; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 102, 1898. No. Atl. States.
1009. **fragilis** GUENÉE, Spec. Gén., v. 34, 1852; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 94, 1898. No. Atl. States.
syn. *spectans* WALKER.
1010. **minella** DYAR, Jn. N. Y. Ent. Soc., vi, 41, 1898. Col.
1011. **paupercula** GROTE, Proc. Acad. Nat. Sci. Phil., 197, 1874; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 97, 1898. Tex.
1012. **vinnula** GROTE, Proc. Ent. Soc. Phil., ii, 436, 1864; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 93, 1898. Atl. States.
1013. **revellata** SMITH, Ent. News, viii, 150, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 112, 1898. Col.
1014. **grisea** WALKER, Cat. Brit. Mus., ix, 56, 1856; SMITH, C. 37; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 113, 1898. Atl. States.
syn. *pudorata* MORRISON.
1015. **mansueta** SMITH, Ent. News, viii, 151, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 109, 1898. Pac. States.
- *1016. **falcula** GROTE, Can. Ent., ix, 86, 1877; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 109, 1898. Miss. Vall.
1017. **parallela** GROTE, Can. Ent., ix, 53, 1877; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 110, 1898. Tex.

1018. *afflicta* GROTE, Proc. Ent. Soc. Phil., ii, 438, 1864; SMITH, C. 42; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 127, 1898. Atl. States.
1019. *persuasa* HARVEY, Bull. Buff. Soc., ii, 271, 1875; SMITH, C. 43; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 130, 1898. Tex.
1020. *liturata* SMITH, Ent. News, viii, 151, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 129, 1898. Col.
1021. *marmorata* SMITH, Ent. News, viii, 151, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 131, 1898. Mont., Cal.
1022. *albarufa* GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 239, 1874; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 134, 1898. Atl. States.
syn. *walkeri* ANDREWS.
1023. *incretata* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 131, 1874; SMITH, C. 44; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 144, 1898. Atl. States.
1024. *modica* WALKER, Cat. Brit. Mus., ix, 56, 1856; SMITH, C. 44; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 138, 1898. Atl. States.
syn. *exilis* GROTE.
1025. *ovata* GROTE, Bull. Buff. Soc., i, 80, 1873; SMITH, C. 43; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 135, 1898. Atl. States.
1026. *brumosa* GUENÉE, Spec. Gén., v, 52, 1852; SMITH, C. 43; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 117, 1898. Atl. States.
syn. *inclara* SMITH, Can. Ent., xxxii, 335, 1900.
1027. *hæsitata* GROTE, Bull. Geol. Surv. Terr., vi, 575, 1882; SMITH, C. 44; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 140, 1898. Atl. States.
1028. *retardata* WALKER, Can. Nat. Geol., vi, 38, 1861; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 145, 1898. Atl. States.
syn. *dissecta* GROTE & ROBINSON.
1029. *sperata* GROTE, Bull. Buff. Soc., i, 81, 1873; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 154, 1898. Atl. States.
1030. *noctivaga* GROTE, Proc. Ent. Soc. Phil., ii, 437, 1864; SMITH, C. 42; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 156, 1898. Atl. States.
1031. *imprensa* WALKER, Cat. Brit. Mus., ix, 61, 1856; SMITH, C. 41; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 159, 1898 (larva of *distans* in error). Atl. States.

- syn. *fasciata* WALKER, *verrillii* GROTE & ROBINSON.
1032. *distans* GROTE, Can. Ent., xi, 38, 1879; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 161, 1898 (larva of *impressa* in error). Atl. States.
1033. *barnesii* SMITH, Ent. News, viii, 153, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 162, 1898. Col.
1034. *perdita* GROTE, Can. Ent., vi, 154, 1874; SMITH, C. 42; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 163, 1898. Pac. States.
1035. *edolata* GROTE, Pap., i, 153, 1881; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 164, 1898. Ariz.
1036. *extricata* GROTE, Bull. Geol. Surv. Terr., vi, 575, 1882; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 165, 1898. Tex.
1037. *xyliniformis* GUENÉE, Spec. Gén., v, 50, 1852; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 166, 1898. Atl. States.
syn. *longa* GUENÉE, *pallidicoma* GROTE.
1038. *emaculata* SMITH, Ent. News, viii, 152, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 158, 1898. Pac. States.
1039. *impleta* WALKER, Cat. Brit. Mus., ix, 57, 1856; SMITH, Can. Ent., xxxii, 334, 1900. U. S.
syn. *lateicoma* GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 179, 1870; SMITH, C. 42; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 152, 1898.
1040. *illita* SMITH, Ent. News, viii, 152, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 151, 1898. Col., B. C.
1041. *oblinita* SMITH & ABBOT, Lep. Ins. Ga., ii, 187, 1797; SMITH, C. 46; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 169, 1898. Atl. States.
syn. *salicis* HARRIS.
1042. *lanceolaria* GROTE, Proc. Acad. Nat. Sci. Phil., 418, 1875; SMITH, C. 46; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 171, 1898. Atl. States.
- *1043. *insolita* GROTE, Bull. Buff. Soc., i, 82, 1873; SMITH, C. 46; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 173, 1898. Atl. States.
- *1044. *arioch* STRECKER, Lep. Rhop. Het., suppl. 1, 5, 1898. La.

- *1045. *gasta* STRECKER, Lep. Rhop. Het., suppl. 1, 5, 1898. Ill.

APHARETRA Grote.

GROTE, Proc. Ent. Soc. Wash., iv, 368, 1901.

1046. *dentata* GROTE, Can. Ent., vii, 222, 1875; SMITH, C. 37; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 173, 1898. No. Atl. States.
1047. *pyralis* SMITH, Ent. News, vii, 26, 1896; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 174, 1898. Rocky Mts.

ARSILONCHE Lederer.

LEDERER, Noct. Eur., 70, 1857; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 174, 1898.

1048. *colorada* SMITH, Proc. U. S. Nat. Mus., xxii, 414, 1900. Col.
1049. *albovenosa* GOEZE, Ent. Beitr., iii, 3, 251, 1781; SMITH, C. 34; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 175, 1898. Atl. States, Eur.
- a. fumosum* MORRISON, Bull. Buff. Soc., i, 275, 1873.
- b. henrici* GROTE, Bull. Buff. Soc., i, 10, 1873.
- c. evanidum* GROTE, Bull. Buff. Soc., i, 10, 1873.

MEROLONCHE Grote.

GROTE, Ill. Essay, 50, 1882.

1050. *lupini* GROTE, Bull. Buff. Soc., i, 79, 1873; SMITH, C. 35; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 179, 1898. Pac. States.
1051. *ursina* SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 180, 1898. Col.
- *1052. *spinea* GROTE, Bull. Buff. Soc., i, 79, 1873; SMITH, C. 35; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 179, 1898. Cal.

HARRISIMEMNA Grote.

GROTE, Trans. Am. Ent. Soc., iv, 293, 1873.

1053. *trisignata* WALKER, Cat. Brit. Mus., ix, 29, 1856; SMITH, C. 47; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 181, 1898. Atl. States.
- syn. *sexguttata* HARRIS.



MICROCÆLIA Guenée.

GUENÉE, Spec. Gén., v, 33, 1852.

1054. *dipteroides* GUENÉE, Spec. Gén., v, 34, 1852; Atl.
SMITH, C. 48. States.
a. obliterated GROTE, Proc. Ent. Soc. Phil., iii, 79,
1864.

JASPIDIA Hübner.

HÜBNER, Tent., 1806; *Euthales* HÜBNER; *Bryophila* TREITSCHKE.

1055. *lepidula* GROTE, 6th Rept. Peab. Acad. Sci., 23, Atl.
1874; SMITH, C. 49. States.
*1056. *nana* HÜBNER, Zutr. exot. Schmett., f. 53, 1818; So.
SMITH, C. 49. States.
*1057. *corticosa* GUENÉE, Spec. Gén., v, 30, 1852; No.
SMITH, C. 49. Am.
1058. *viridata* HARVEY, Can. Ent., viii, 35, 1876; SMITH, Cal.
C. 49.
1059. *teratophora* HERRICH-SCHAEFFER, Exot. Schmett., Atl.
f. 213, 1853; SMITH, C. 49. States.

DIPHTHERA Hübner.

HÜBNER, Tent., 1806.

1060. *fallax* HERRICH-SCHAEFFER, Exot. Schmett., f. Atl.
211, 1853; SMITH, C. 34. States.

POLYGRAMMATE Hübner.

HÜBNER, Verz. bek. Schmett., 203, 1816.

1061. *hebraicum* HÜBNER, Zutr. exot. Schmett., f. 25, Atl.
1818; SMITH, C. 48; DYAR, Proc. U. S. Nat. Mus., States.
xxi, 9, 1898.
syn. *hebræa* GUENÉE.

CERMA Hübner.

HÜBNER, Verz. bek. Schmett., 207, 1816.

- *1062. *galva* STRECKER, Lep. Rhop. Het., suppl. 1, 5, N. Y.
1898.
1063. *cora* HÜBNER, Zutr. exot. Schmett., f. 59, 1818; Atl.
SMITH, C. 47. States.
syn. *festu* GUENÉE.
1064. *olivacea* SMITH, Trans. Am. Ent. Soc., xviii, 103, Col.,
1891; C. 48. Cal.

CYATHISA Grote.

GROTE, Bull. Geol. Surv. Terr., vi, 576, 1882.

1065. *percara* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 213, 1874; SMITH, C. 50. Fla., Tex., Col.
- *1066. *pallida* SMITH, Jn. N. Y. Ent. Soc., x, 35, 1902. Cal.

CHYTONIX Grote.

GROTE, Bull. Buff. Soc., ii, 66, 1874.

1067. *palliatricula* GUENÉE, Spec. Gén., v, 26, 1852; SMITH, C. 50. Atl. States.
syn. *iaspis* GUENÉE.
1068. *sensilis* GROTE, Pap., i, 49, 1881; SMITH, C. 50. Atl. States.
1069. *semifascia* SMITH, Proc. U. S. Nat. Mus., xxii, 415, 1900. Col.
- *1070. *connecta* SMITH, Trans. Am. Ent. Soc., xxi, 42, 1894. Tex.

COPIBRYOPHILA Smith.

SMITH, Proc. U. S. Nat. Mus., xxii, 416, 1900.

1071. *angelica* SMITH, Proc. U. S. Nat. Mus., xxii, 416, 1900. Cal.

ALEPTINA Dyar.

DYAR, Can. Ent., xxxiv, 105, 1902.

1072. *inca* DYAR, Can. Ent., xxxiv, 105, 1902. Ariz., Tex.

BAILEYA Grote.

GROTE, Abh. nat. Ver. Brem., xiv, 123, 1893; *Leptina* GUENÉE (not MEIGEN), Spec. Gén., v, 14, 1852.

1073. *ophthalmica* GUENÉE, Spec. Gén., v, 15, 1852; SMITH, C. 30. Atl. States.
1074. *australis* GROTE, Can. Ent., xiii, 152, 1881; SMITH, C. 30. Tex., Ala.
1075. *doubledayi* GUENÉE, Spec. Gén., v, 15, 1852; SMITH, C. 30. Atl. States.
1076. *dormitans* GUENÉE, Spec. Gén., v, 15, 1852; SMITH, C. 30. No. Atl. States.
syn. *latebricola* GROTE.

HADENELLA Grote.

GROTE, Pap., iii, 123, 1883.

1077. *pergentilis* GROTE, Pap., iii, 123, 1883; SMITH, Wash., Col.,
C. 164. Wyo.
1078. *minuscula* MORRISON, Proc. Bost. Soc. Nat. Hist., Atl. States,
xvii, 147, 1874; SMITH, C. 144. Col.
- syn. *subjuncta* SMITH, Can. Ent., xxx, 323, 1898.
1079. *lævigata* SMITH, Can. Ent., xxx, 321, 1898. Col.

ACOPA Harvey.

HARVEY, Bull. Buff. Soc., ii, 279, 1874.

1080. *carina* HARVEY, Bull. Buff. Soc., ii, 279, 1874; Tex.
SMITH, C. 264.
1081. *perpallida* GROTE, Can. Ent., x, 68, 1878; SMITH, Kans.
C. 264.
- *1082. *incana* HY. EDWARDS, Pap., ii, 128, 1882; SMITH, Ariz.
C. 264.
- *1083. *pacifica* HY. EDWARDS, Pap., iv, 46, 1884; SMITH, Ariz.
C. 265.

CATABENA Walker.

WALKER, Cat. Brit. Mus., xxxii, 631, 1865; *Adipsophanes* GROTE.

1084. *lineolata* WALKER, Cat. Brit. Mus., xxxii, 631, Atl. States,
1865; SMITH, C. 194. Cal.
- syn. *miscellus* GROTE.
- *1085. *terminellus* GROTE, Can. Ent., xv, 132, 1883; Tex.
SMITH, C. 194.
- *1086. *egestis* SMITH, Trans. Am. Ent. Soc., xxi, 77, Ariz.
1894.

CRAMBODES Guenée.

GUENÉE, Spec. Gén., vi, 152, 1852.

1087. *talidiformis* GUENÉE, Spec. Gén., vi, 152, 1852; Atl. States,
SMITH, C. 194. Col.
- syn. *conjugens* WALKER.

PLATYSENTA Grote.

GROTE, 6th Rept. Peab. Acad. Sci., 28, 1874.

1088. *videns* GUENÉE, Spec. Gén., v, 78, 1852; SMITH, Atl. States,
C. 184. Col.
- syn. *indigens* WALKER, *meskei* SPEYER, *atriciliata* GROTE.

- *1089. *albipuncta* SMITH, Jn. N. Y. Ent. Soc., x, 46, 1902. Tex., Col.
 1089. 1. *angustiorata* GROTE, Bull. Geol. Surv. Terr., Col.
 vi, 584, 1882; SMITH, C. 184.

SENTA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., iii, 279, 1829.

1090. *defecta* GROTE, 6th Rept. Peab. Acad. Sci., 29, Atl.
 1874; SMITH, C. 183. States.
 *1091. *enervata* GUENÉE, Spec. Gén., v, 105, 1852; Fla.
 SMITH, C. 183.
 syn. *fodiens* GUENÉE.

BALSA Walker.

WALKER, Can. Nat. Geol., v, 250, 1860; *Nolophana* GROTE.

1092. *malana* FITCH, Rep. Ins. N. Y., i, 244, 1856; Atl.
 SMITH, C. 193. States.
 syn. *obliquifera* WALKER.
 1093. *tristrigella* WALKER, Cat. Brit. Mus., xxxv, 1734 Atl.
 1865; SMITH, C. 193. States.
 syn. *zelleri* GROTE.
 1094. *labecula* GROTE, Can. Ent., xii, 217, 1880; SMITH, Atl.
 C. 194. States.
 *1095. *albopunctella* WALKER, Cat. Brit. Mus., xxxv, U. S.
 1735, 1866; SMITH, C. 194.

PLATYPERIGEA Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 60, 1894.

1096. *camina* SMITH, Trans. Am. Ent. Soc., xxi, 60, Col.
 1894.
 1097. *præacuta* SMITH, Trans. Am. Ent. Soc., xxi, 61, Col.
 1894.
 1098. *discistriga* SMITH, Trans. Am. Ent. Soc., xxi, 61, Col.
 1894.

FOTELLA Grote.

GROTE, Can. Ent., xiv, 181, 1882.

- *1099. *notalis* GROTE, Can. Ent., xiv, 181, 1882; SMITH, Ariz.
 C. 195.



ANORTHODES Smith.

SMITH, Trans. Am. Ent. Soc., xviii, 115, 1891.

1100. **prima** SMITH, Trans. Am. Ent. Soc., xviii, 115, 1891; C. 198. So. Atl. States.

CARADRINA Ochseneheimer.

OCHSENEHEIMER, Schmett. Eur., iv, 80, 1816.

1101. **meralis** MORRISON, Can. Ent., vii, 215, 1875; SMITH, C. 195. Atl. States, N. Mex.
syn. *bilunata* GROTE.
1102. **multifera** WALKER, Cat. Brit. Mus., x, 293, 1856; SMITH, C. 196. Atl. States.
syn. *fidicularia* MORRISON
1103. **exigua** HÜBNER, Eur. Schm., 362, 1827; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 1990, 1901. Cal., Col., Eur., Hawaii.
syn. *fulgens* HÜBNER, *juncti* ZELLER, *sebghana* AUSTANT, *orbicularis* WALKER, *venosa* BUTLER, *ciliium* GUENÉE, *insulsa* WALKER, *erica* BUTLER, *cycloides* GUENÉE, *caradrinoides* WALKER, *insignata* COTES & SWINHOE, *flavimaculata* HARVEY, Can. Ent., viii, 54, 1876; SMITH, C. 168; MEYRICK, Faun. Haw., i, 153, 1899.
1104. **spilomela** WALKER, Cat. Brit. Mus., xxxii, 648, 1865. Tex.
syn. *convira* HARVEY; SMITH, C. 196.
1105. **extimia** WALKER, Cat. Brit. Mus., xxxii, 687, 1865; SMITH, C. 196. Pac. States, Col.
syn. *civica* GROTE.
1106. **mantalini** SMITH, Trans. Am. Ent. Soc., xxi, 77, 1894. Col.
1107. **rufostriga** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 36, 1866; SMITH, C. 186. Lab., Col.
syn. *punctivena* SMITH, Trans. Am. Ent. Soc., xxi, 77, 1894.
- *1108. **insipida** STRECKER, Lep. Rhop. Het., suppl. 3, 32, 1900. Wis.
1109. **miranda** GROTE, Bull. Buff. Soc., i, 11, 169, 1873; SMITH, C. 195. U. S.
- *1110. **tarda** GUENÉE, Spec. Gén., v, 243, 1852; SMITH, C. 195. W. Va.
- *1111. **fragosa** GROTE, Pap., iii, 76, 1883; SMITH, C. 196. Ariz.

- *1112. *derosa* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 121, 1875; SMITH, C. 195. N. J.
- *1113. *fervens* WALKER, Cat. Brit. Mus., x, 266, 1856. Tex.
syn. *subaquila* HARVEY; SMITH, C. 196.
1114. *leucorena* SMITH, Proc. U. S. Nat. Mus., xxii, 477, 1900. Cal., Ariz.

PERIGEA Guenée.

GUENÉE, Spec. Gén., v, 225, 1852.

1115. *xanthioides* GUENÉE, Spec. Gén., v, 227, 1852; SMITH, C. 152. Atl. States.
a. enixa GROTE, Bull. Buff. Soc., ii, 310, 1875.
- *1116. *iole* GROTE, Proc. Bost. Soc. Nat. Hist., xviii, 414, 1875; SMITH, C. 152. Fla.
1117. *vecors* GUENÉE, Spec. Gén., v, 230, 1852; SMITH, C. 152. Atl. States. Col.
syn. *remissa* WALKER, *lura* GROTE.
1118. *epopea* CRAMER, Pap. Exot., iii, pl. 272, f. G. So. Atl. States. 1782; SMITH, C. 152.
syn. *cupentina* CRAMER, *infelix* GUENÉE, *palpalis* WALKER, *confederata* GROTE.
1119. *sutor* GUENÉE, Spec. Gén., v, 231, 1852. Atl. States.
syn. *clausfacta* WALKER; SMITH, C. 153; *fabrefacta* MORRISON.
- *1120. *falsa* GROTE, Can. Ent., xii, 215, 1880; SMITH, C. 153. Cal.
1121. *albolabes* GROTE, Can. Ent., xii, 216, 1880; SMITH, C. 154. Ariz., Col.
- *1122. *punctifera* WALKER, Cat. Brit. Mus., x, 263, 1856; SMITH, C. 153. Antilles, Fla.
- *1123. *loculosa* GROTE, Pap., i, 154, 1881; SMITH, C. 154. Ariz., N. Mex.
- *1124. *fasciata* HY. EDWARDS, Ent. Amer., ii, 169, 1886; SMITH, C. 154. Ariz.
1125. *alfkenii* GROTE, Abh. nat. Ver. Bremen, xiv, 81, 1895. Cal., Ariz.
1126. *pulverulenta* SMITH, Trans. Am. Ent. Soc., xviii, 105, 1891; C. 154. Col.
- *1127. *continens* HY. EDWARDS, Pap., iv, 122, 1884; SMITH, C. 154. Ariz.
1128. *veterata* SMITH, Trans. Am. Ent. Soc., xxi, 62, 1894. Col.

1129. *lucetta* SMITH, Proc. U. S. Nat. Mus., xxii, 474, 1900. Col.
- *1130. *servina* SMITH, Proc. U. S. Nat. Mus., xxii, 475, 1900. Fla.
1131. *texana* SMITH, Proc. U. S. Nat. Mus., xxii, 476, 1900. Tex.
1132. *consors* SMITH, Proc. U. S. Nat. Mus., xxii, 477, 1900. Ariz.
- *1133. *proxima* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 240, 1875; SMITH, C. 155. Tex.
- *1134. *mersa* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 120, 1875; SMITH, C. 155. Cal.
- *1135. *niveirena* HARVEY, Can. Ent., viii, 53, 1876; SMITH, C. 154. B. C.

OLIGIA Hübner.

HÜBNER, Verz. bek. Schmett., 404, 1816.

1136. *festivoides* GUENÉE, Spec. Gén., v, 220, 1852; SMITH, C. 149. Atl. States.
syn. *varia* WALKER.
1137. *chalconia* HÜBNER, Eur. Schmett., Noct., 404, 1815; SMITH, C. 150. Atl. States.
syn. *vincta* WALKER, *irresoluta* WALKER, *arna* GUENÉE, *tracta* GROTE. Col., N. Mex.
1138. *versicolor* GROTE, Proc. Acad. Nat. Sci. Phil., 204, 1874; SMITH, C. 150. Atl. States.
1139. *exesa* GUENÉE, Spec. Gén., v, 222, 1852; SMITH, C. 150. Fla.
syn. *floridiana* WALKER.
1140. *fuscimacula* GROTE, Bull. Geol. Surv. Terr., vi, 262, 1881; SMITH, C. 151. Fla., Tex.
1141. *grata* HÜBNER, Zutr. exot. Schmett., f. 71, 1819; SMITH, C. 151. Atl. States.
syn. *rasilis* MORRISON.
1142. *nucicolora* GUENÉE, Spec. Gén., v, 24, 1852; SMITH, C. 151. Fla., Tex.
syn. *unesignata* WALKER, *paginata* MORRISON, *clara* HARVEY.
1143. *trientiplaga* WALKER, Cat. Brit. Mus., xv, 1677, 1858; DYAR, Proc. Ent. Soc. Wash., iv, 453, 1901. Fla., So. Am.
syn. *aduncula* FELDER, Reise Novara, Lep., pl. 110, f. 4, 1872.
- *1144. *rubiginosa* WALKER, Cat. Brit. Mus., xxxii, 674, 1865. B. C.

HILLIA Grote.

GROTE, Proc. Ent. Soc. Phil., xxxi, 168, 1883.

1145. **crassis** HERRICH-SCHAEFFER, Schmett. Eur., ii, 361, 1845; SMITH, C. 147. No. Atl. States, Col., Eur.
 syn. *erdmani* MÖSCHLER, *semisigna* WALKER, *senescens* GROTE, *vigilans* GROTE.
1146. **agens** GROTE, Can. Ent., x, 236, 1878; SMITH, C. 147. Me., N. Y., Col.
1147. **discinigra** WALKER, Cat. Brit. Mus., ix, 27, 1856; SMITH, C. 148. Can.

HADENA Schrank.

SCHRANK, Faun. Boica, ii, 2, 158, 1802; *Luperina* BOISDUVAL, Ind. Méth., i, 77, 1829; *Nytophasia* STEPHENS, Ill. Brit. Ent., Haust., ii, 174, 1829; *Apamea* OCHSENHEIMER, Schm. Eur., iv, 75, 1816; *Xylena* HÜBNER, Tent., 1806; *Cladocera* RAMBUR (not HOPE), Cat. Lep. And., pl. 6, 1858; *Helioscota* GROTE, Abh. nat. Ver. Brem., xiv, 78, 1895; *Achatia* HÜBNER, Tent., 1806.

1148. **evelina** FRENCH, Can. Ent., xx, 71, 1888; SMITH, C. 141. Cal., Col.
1149. **bridghami** GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 17, 1866; SMITH, C. 141. Atl. States.
1150. **transfrons** NEUMOEGEN, Pap., iii, 139, 1883; SMITH, C. 141. B. C.
1151. **violacea** GROTE, Bull. Geol. Surv. Terr., vi, 261, 1881; SMITH, C. 141. Cal., Col.
1152. **leucoscelis** GROTE, Sixth Rept. Peab. Acad. Sci., 26, 1874; SMITH, C. 142. Atl. States, Col.
 syn. *fibulata* MORRISON.
1153. **claudens** WALKER, Cat. Brit. Mus., ix, 753, 1857; SMITH, C. 142. No. Atl. States.
 syn. *hillii* GROTE.
1154. **paviæ** BEHR in Strecker, Lep. Rhop. Het., 94, 1874; SMITH, C. 142. Cal.
 syn. *inconspicua* SMITH, 142.
1155. **binotata** WALKER, Cat. Brit. Mus., xxxii, 663, 1865; SMITH, C. 142. Pac. States.
 syn. *curvata* GROTE, *extersa* WALKER.
1156. **adnixa** GROTE, Can. Ent., xii, 243, 1880; SMITH, C. 142. Nev.
1157. **indirecta** GROTE, Can. Ent., vii, 28, 1875; SMITH, C. 143. Pac. States, Col.

1158. *modica* GUENÉE, Spec. Gén., v, 207, 1852; SMITH, Atl. States,
C. 146. Col.
- syn. *subcedens* WALKER.
1159. *hausta* GROTE, Can. Ent., xiv, 217, 1882; SMITH, No. Atl.
C. 146. States, N. M.
1160. *characta* GROTE, Can. Ent., xii, 243, 1880; Nev.,
SMITH, C. 143. Ariz.
1161. *genetrix* GROTE, Can. Ent., x, 237, 1878; SMITH, Nev.,
C. 143. Ariz.
1162. *patina* HARVEY, Bull. Buff. Soc., iii, 7, 1875; Tex.,
SMITH, C. 146. D. C.
- *1163. *egens* WALKER, Cat. Brit. Mus., x, 263, 1856; Can.,
SMITH, C. 144. Col.
1164. *unicincta* SMITH, Jn. N. Y. Ent. Soc., x, 41, 1902. Cal.
1165. *diversicolor* MORRISON, Proc. Bost. Soc. Nat. No. Atl.
Hist., xvii, 132, 1874; SMITH, C. 146. States.
1166. *mactata* GUENÉE, Spec. Gén., v, 207, 1852; Atl. States,
SMITH, C. 145. Col.
1167. *turbulenta* HÜBNER, Zutr. exot. Schmett., f. 67, Atl.
1820; SMITH, C. 145. States.
- syn. *arcuata* WALKER.
1168. *divesta* GROTE, Can. Ent., vi, 215, 1874; SMITH, Pac. States,
C. 143. Col.
- *1169. *tusa* GROTE, Bull. Geol. Surv. Terr., iv, 177, Cal.
1878; SMITH, C. 143.
- *1170. *tonsa* GROTE, Can. Ent., xii, 214, 1880; SMITH, Nev.
C. 143.
1171. *chryselectra* GROTE, Can. Ent., xii, 244, 1880; Col.
SMITH, C. 147.
- syn. *benigna* HY. EDWARDS, Pap., iv, 122,
1884; SMITH, C. 154.
1173. *fumosa* GROTE, Bull. Geol. Surv. Terr., v, 205, Col.,
1879; SMITH, C. 143. Wash.
- *1174. *tortilis* GROTE, Bull. Brook. Ent. Soc., iii, 46, Wash.
1880; SMITH, C. 146.
1175. *marina* GROTE, Bull. Buff. Soc., ii, 67, 1874; Cal.
SMITH, C. 145.
1176. *didonea* SMITH, Trans. Am. Ent. Soc., xxi, 58, Col.
1894.
1177. *antennata* SMITH, Proc. U. S. Nat. Mus., xiii, Cal.
439, 1890; C. 140.
1178. *viridimusca* SMITH, Can. Ent., xxi, 262, 1899. Ohio.

- *1179. *loda* STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. Wash.
- *1180. *una* STRECKER, Lep. Rhop. Het., suppl. 3, 32, 1900. Wis.
- *1181. *thula* STRECKER, Lep. Rhop. Het., suppl. 1, 7, 1898. Wash.
1182. *luteocinerea* SMITH, Proc. U. S. Nat. Mus., xxii, 468, 1900. Mont.
1183. *lætabilis* SMITH, Can. Ent., xxi, 264, 1899. N. Mex.
1184. *pausis* SMITH, Can. Ent., xxi, 262, 1899. Cal.
- *1185. *moilena* STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. Col.
- *1186. *lona* STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. Wash.,
Man.
syn. *runata* SMITH, Can. Ent., xxxi, 257, 1899.
1187. *catalina* SMITH, Can. Ent., xxi, 261, 1899. Ariz.
1188. *virguncula* SMITH, Can. Ent., xxi, 259, 1899. Col.
1189. *barnesii* SMITH, Can. Ent., xxi, 258, 1899. So. Dak.,
Col.
1190. *dionea* SMITH, Can. Ent., xxi, 258, 1899. So. Dak.
- *1191. *satina* STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. Anticosti.
1192. *mustelina* SMITH, Proc. U. S. Nat. Mus., xxii, 469, 1900. Cal.
1193. *tenera* SMITH, Proc. Wash. Acad. Sci., ii, 491, 1900. Alaska.
1194. *jocasta* SMITH, Proc. U. S. Nat. Mus., xxii, 470, 1900. Dak.,
Ill.
1195. *tela* SMITH, Proc. U. S. Nat. Mus., xxii, 470, 1900. Ariz.
1196. *tapeta* SMITH, Proc. U. S. Nat. Mus., xxii, 467, 1900. Fla.
- *1197. *cluna* STRECKER, Lep. Rhop. Het., suppl. 1, 7, 1898. Ill.
1198. *allecto* SMITH, Can. Ent., xxi, 260, 1899. B. C.,
Man., Dak.
1199. *versuta* SMITH, Ent. News, vii, 27, 1896. Alberta.
- *1200. *dilara* STRECKER, Lep. Rhop. Het., suppl. 1, 7, 1898. Col.
1201. *ethnica* SMITH, Can. Ent., xxi, 263, 1899. Cal.

1202. *miseloides* GUENÉE, Spec. Gén., vi, 89, 1852; Atl.
SMITH, C. 145; Jn. N. Y. Ent. Soc., x, 39, 1902. States.
a. miscellus SMITH, Jn. N. Y. Ent. Soc., x, 40,
1902.
1203. *macerata* SMITH, Jn. N. Y. Ent. Soc., x, 40, 1902. Man.
- *1204. *chlorostigma* HARVEY, Can. Ent., viii, 53, 1876; Tex.,
SMITH, C. 145. Ill.
1205. *semicana* WALKER, Cat. Brit. Mus., xxxii, 675, Col.,
1865; SMITH, C. 144. Atl. States.
syn. vulviraga MORRISON.
a. fractilinea GROTE, Can. Ent., vi, 15, 1874;
SMITH, C. 144.
b. modiola GROTE, Bull. Geol. Surv. Terr., v, 204,
1879.
1206. *misera* GROTE, Bull. Geol. Surv. Terr., vi, 582, Atl.
1882; SMITH, C. 144. States.
1207. *cylindrica* GROTE, Can. Ent., xii, 214, 1880; Nev.
SMITH, C. 146.
1208. *basilinea* FABRICIUS, Mant. Ins., 183, 1787; N.-W. Pac.
STAUDINGER & REBEL, Cat. Lep. Eur., i, no. States,
1710, 1901. Ear.
a. cerviana SMITH, Can. Ent., xxxii, 220, 1900.
- *1209. *smaragdina* NEUMÖRGEN, Pap., iii, 140, 1883; Ariz.
SMITH, C. 145.
1210. *niveivenosa* GROTE, Bull. Geol. Surv. Terr., v, Mont.,
206, 1879; SMITH, C. 131. Col.
1211. *stipata* MORRISON, Proc. Acad. Nat. Sci. Phil., No. Atl.
64, 1875; SMITH, C. 131. States.
1212. *passer* GUENÉE, Spec. Gén., v, 195, 1852; SMITH, No. Atl.
C. 131. States,
syn. incallida WALKER, *loculata* MORRISON, Col., Oreg.
vivalis GROTE.
a. conspicua MORRISON, Bull. Buff. Soc., ii, 110,
1874.
1213. *trigona* SMITH, Jn. N. Y. Ent. Soc., x, 39, 1902. Tenn.
1214. *burgessi* MORRISON, Bull. Buff. Soc., ii, 109, 1874; Mass.,
SMITH, C. 132. Ariz., Nebr.
syn. discors GROTE.
1215. *longula* GROTE, Bull. Geol. Surv. Terr., v, 204, Rocky Mts.,
1879; SMITH, C. 132. Kans., Wash.
1216. *contradicta* SMITH, Ent. News, vii, 28, 1896. Alberta.

1217. *remissa* HÜBNER, Eur. Schmett., Noct., 423, 1812; SMITH, C. 132. Atl. States.
syn. *indocilis* WALKER.
1218. *separans* GROTE, Bull. U. S. Geol. Surv. Terr., vi, 260, 1880; SMITH, C. 133. N. Y., Wis.
1219. *suffusca* MORRISON, Proc. Acad. Nat. Sci. Phil., 61, 1875; SMITH, C. 133. Atl. States, Col.
1220. *vultuosa* GROTE, Proc. Acad. Nat. Sci. Phil., 420, 1875; SMITH, C. 134. Atl. States.
1221. *apamiformis* GUENÉE, Spec. Gén., v, 137, 1852; SMITH, C. 133. Atl. States, Col.
syn. *contenta* WALKER.
1222. *exornata* MÖSCHLER, Wien. ent. Mon., iv, 364, 1864; SMITH, C. 134. Lab., Col.
1223. *morna* STRECKER, Rep. Ch. Eng., Ruffner, v, 1861, 1879; SMITH, C. 134. Col.
syn. *hulstii* GROTE, No. Am. Ent., i, 93, 1880; SMITH, C. 134.
1224. *finitima* GUENÉE, Spec. Gén., v, 206, 1852; SMITH, C. 134. No. U. S.
1225. *lateritia* HÜBNER, Berl. Mag., iii, 306, 1767; SMITH, C. 134. No. U. S., Eur.
syn. *molechina* HÜBNER, *obliviosa* WALKER.
1226. *cogitata* SMITH, Proc. U. S. Nat. Mus., xiii, 421, 1890; C. 135. No. U. S.
1227. *dubitans* WALKER, Cat. Brit. Mus., ix, 232, 1856; SMITH, C. 135. No. Atl. States.
syn. *insignata* WALKER, *sputatrix* GROTE.
1228. *plutonia* GROTE, Can. Ent., xv, 9, 1883; SMITH, C. 135. Me., Wis.
1229. *alticola* SMITH, Proc. U. S. Nat. Mus., xxiii, 423, 1890; C. 136. Col.
1230. *ducta* GROTE, Bull. Geol. Surv. Terr., iv, 176, 1878; SMITH, C. 136. No. U. S.
1231. *impulsa* GUENÉE, Spec. Gén., v, 194, 1852; SMITH, C. 136. Atl. States.
a. mixta GROTE, Bull. Geol. Surv. Terr., vi, 264, 1880.
1232. *devastatrix* BRACE, Am. Jn. Sci., i, 154, 1819; SMITH, C. 136. U. S.
syn. *ordinaria* WALKER, *contenta* WALKER, *marshallana* WESTWOOD.

1233. **exulis** LEFÈBRE, Ann. Soc. Ent. Fr., v, 393, 1836; Lab.,
SMITH, C. 137. Greenl.
syn. *gelata* LEFÈBRE, *groenlandica* ZETTER-
STEDT, *marmorata* ZETTERSTEDT, *difflua*
GEYER, *gelida* GUENÉE, *poli* GUENÉE, *borea*
GUENÉE.
- *1234. **sommeri** LEFÈBRE, Ann. Soc. Ent. Fr., iii, 391, Lab.,
1836; SMITH, C. 137. Greenl.
1235. **arctica** BOISDUVAL, Gen. Ind. Méth., 120, 1840; Atl. States,
SMITH, C. 137. Col.
syn. *amputatrix* FITCH.
1236. **albina** GROTE, Bull. Buff. Soc., ii, 157, 1874; Cal.
SMITH, C. 138.
1237. **pluviosa** WALKER, Cat. Brit. Mus., xxxiii, 725, Pac.
1865; SMITH, C. 138. States.
syn. *castanea* GROTE, *cymosa* GROTE.
1238. **occidens** GROTE, Bull. U. S. Geol. Surv. Terr., iv, Col.,
177, 1878; SMITH, C. 138. Cal.
- *1239. **perpensa** GROTE, Can. Ent., xiii, 229, 1883; Ariz.,
SMITH, C. 138. New Mex.
1240. **cuculliformis** GROTE, Check List Noct., 24, 1875; Cal.
SMITH C. 139.
1241. **verbascoides** GUENÉE, Spec. Gén., v, 141, 1852; Atl.
SMITH, C. 139. States.
1242. **nigrrior** SMITH, Proc. U. S. Nat. Mus., xiii, 437, Me.
1890; C. 139.
1243. **cariosa** GUENÉE, Spec. Gén., v, 144, 1852; SMITH, No. U. S.,
C. 139. Ariz.
syn. *idonea* GROTE.
1244. **vulgaris** GROTE & ROBINSON, Proc. Ent. Soc. Atl.
Phil., vi, 19, 1866; SMITH, C. 139. States.
- *1245. **cristata** GROTE, Bull. Geol. Surv. Terr., iv, 176, N. Y.
1878; SMITH, C. 140.
1246. **relecina** MORRISON, Proc. Bost. Soc. Nat. Hist., Tex.,
xvii, 216, 1874; SMITH, C. 140. Col.
1247. **cinefacta** GROTE, Pap., i, 77, 1881; SMITH, C. Pac. States,
140. Col.
1248. **centralis** SMITH, Proc. U. S. Nat. Mus., xiii, 141, Cal.
1890; C. 140.
1249. **auranticolor** GROTE, Bull. Buff. Soc., i, 109, 1873; Oreg., Col.,
SMITH, C. 140. Neb.

1250. *lignicolor* GUENÉE, Spec. Gén., v, 140, 1852; Atl. States,
SMITH, C. 140. Col., Ariz.
a. quæsita GROTE, Can. Ent., viii, 26, 1876.
1251. *genialis* GROTE, Bull. Buff. Soc., ii, 66, 1874; Cal.
SMITH, C. 141.
1252. *inordinata* MORRISON, Proc. Acad. Nat. Sci. Phil., Mass., Me.,
63, 1875; SMITH, C. 141. Col.
- a. montana* SMITH, Proc. U. S. Nat. Mus., xiii,
414, 1890.
- *1252. 1. *semilunata* GROTE, Pap., i, 58, 1881; SMITH, C. Wash.,
141. Col.

CALOPHASIA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., ii, 61, 1829.

1253. *strigata* SMITH, Trans. Am. Ent. Soc., xviii, 107, Col.
1891; C. 156.

EPIDEMAS Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 40, 1894.

1254. *cinerea* SMITH, Trans. Am. Ent. Soc., xxi, 41, 1894. Col.

MACRONOCTUA Grote.

GROTE, 6th Rept. Peab. Acad. Sci., 27, 1874.

1255. *onusta* GROTE, 6th Rept. Peab. Acad. Sci., 27, Atl.
1874; SMITH, C. 163. States.

FISHEA Grote.

GROTE, Can. Ent., ix, 21, 1877.

- *1256. *enthea* GROTE, Can. Ent., ix, 21, 1877; SMITH, Me.
C. 167.

PACHYPOLIA Grote.

GROTE, 6th Rept. Peab. Acad. Sci., 27, 1874.

1257. *atricornis* GROTE, 6th Rept. Peab. Acad. Sci., 27, Ill.
1874; SMITH, C. 164.

POLIA Hübner.

HÜBNER, Tent., 1806; OCHSENHEIMER, Schmett. Eur., iv, 73, 1816; *Andropolia* GROTE,
Abh. nat. Ver. Brem., xiv, 83, 1895.

- *1258. *ædon* GROTE, Can. Ent., xii, 154, 1880; SMITH, Col., Nev.,
C. 165. Wash.

1259. **theodori** GROTE, Can. Ent., x, 237, 1878; SMITH, C. 165. Col., Cal., N. M.
a. epichysis GROTE, Can. Ent., xii, 219, 1880.
- *1260. **olorina** GROTE, Bull. Buff. Soc., iii, 84, 1876; SMITH, C. 165. Cal., Col.
1261. **confragosa** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 138, 1874; SMITH, C. 166. Can., Wis.
1262. **connecta** SMITH, Trans. Am. Ent. Soc., xxi, 72, 1894. Col.
- *1263. **speciosa** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 137, 1874; SMITH, C. 166. Mass.
- *1264. **pallifera** GROTE, Can. Ent., ix, 88, 1877; SMITH, C. 166. Ill.
1265. **pulverulenta** SMITH, Trans. Am. Ent. Soc., xviii, 106, 1901. Col.
1266. **contacta** WALKER, Cat. Brit. Mus., ix, 58, 1856; SMITH, C. 166. Can., No. N. Y.
syn. aspera MORRISON, *diffusilis* HARVEY.
1267. **diversilineata** GROTE, Bull. Geol. Surv. Terr., iii, 119, 1877; SMITH, C. 165. Rocky Mts.
syn. illepada GROTE.
1268. **medialis** GROTE, Ann. Lye. Nat. Hist. N. Y., xi, 306, 1876; SMITH, C. 167. Can., N. Y.
1269. **extincta** SMITH, Proc. U. S. Nat. Mus., xxii, 471, 1900. N. H.
1270. **acera** SMITH, Proc. U. S. Nat. Mus., xxii, 472, 1900. Wash.
- *1271. **acutissima** GROTE, Check List Noct., 23, 1875; SMITH, C. 167. Can.
1272. **resoluta** SMITH, Trans. Am. Ent. Soc., xxi, 70, 1894. Col.
- *1273. **contadina** SMITH, Trans. Am. Ent. Soc., xxi, 71, 1894. B. C.
- *1274. **sansar** STRECKER, Lep. Rhop. Het., suppl. 1. 8, 1898. Wash.
1275. **ochracea** SMITH, Proc. U. S. Nat. Mus., xxii, 474, 1900. Ia.
1276. **dispar** SMITH, Proc. U. S. Nat. Mus., xxii, 473, 1900. Col.

DRYOBOTA Lederer.

LEDERER, Noct. Eur., 100, 1857.

1277. *illocata* WALKER, Cat. Brit. Mus., xi, 758, 1857; Atl. States,
SMITH, C. 164. Col.
syn. *stigmata* GROTE.

HYPPA Duponchel.

DUPONCHEL, Cat. Méth., iv, 231, 1844.

1278. *xylinoides* GUENÉE, Spec. Gén., vi, 106, 1852; Atl.
SMITH, C. 155. States.
syn. *contraria* WALKER, *ancociscconensis* MOR-
RISON.
1279. *indistincta* SMITH, Trans. Am. Ent. Soc., xxi, 63, Oreg.
1894.
1280. *rectilinea* ESPER, Schmett. Eur., i, 127, 1777; Alaska.
STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 1828, Eur.
1901; DYAR, Proc. Wash. Acad. Sci., ii, 491, 1900.
- *1281. *brunneicrista* SMITH, Can. Ent., xxxiv, 31, 1902. Alberta.

FERALIA Grote.

GROTE, Bull. Buff. Soc., ii, 58, 1874.

1282. *jocosa* GUENÉE, Spec. Gén., v, 37, 1852; Atl.
C. 33; SEIFERT, Jn. N. Y. Ent. Soc., vi, 182, 1898. States.
1283. *februalis* GROTE, Bull. Buff. Soc., ii, 60, 1874; Cal.
SMITH, C. 33.
1284. *major* SMITH, Ent. Amer., vi, 26, 1890; C. 34. Atl. States.
1285. *brillians* BARNES, Can. Ent., xxxiii, 56, 1901. Ariz.

MOMOPHANA Grote.

GROTE, Stett. ent. Zeit., xxxvi, 195, 1875.

1286. *comstocki* GROTE, Bull. Buff. Soc., ii, 59, 1874; Atl.
SMITH, C. 34. States.

VALERIA Germar.

GERMAR, Mag. Ent., iv, 1821; STEPHENS, Cat. Brit. Ins., no. 118, 1829.

1287. *opina* GROTE, Bull. Geol. Surv. Terr., iv, 178, Cal.
1878; SMITH, C. 156.

EUPLEXIA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., iii, 3, 1829.

1288. *lucipara* LINNÆUS, Syst. Nat., 518, 1758; SMITH, C. 171. U. S., Eur.

TRACHEA Hübner.

HÜBNER, Verz. bek. Schmett., 219, '1816.

1289. *delicata* GROTE, Trans. Am. Ent. Soc., v, 92, 1874; SMITH, C. 148. Atl. States.
syn. *interna* GROTE.

DIPTERYGIA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., ii, 167, 1829.

1290. *scabriuscula* LINNÆUS, Syst. Nat., 516, 1758; SMITH, C. 155. Atl. States, Col., Eur.
syn. *pinastri* LINNÆUS.

ACTINOTIA Hübner.

HÜBNER, Verz. bek. Schmett., 244, 1816.

1291. *ramosula* GUENÉE, Spec. Gén., vi, 114, 1852; SMITH, C. 167. Atl. States.
*1292. *stewarti* GROTE, Can. Ent., vii, 28, 1875; SMITH, C. 167. Cal.

PYROPHILA Hübner.

HÜBNER, Verz. bek. Schmett., 208, 1816.

1293. *glabella* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 153, 1874; SMITH, C. 197. U. S.
*1294. *triquetra* GROTE, Pap., iii, 78, 1883; SMITH, C. 197. Ariz.
1295. *pyramidoides* GUENÉE, Spec. Gén., vi, 413, 1852; SMITH, C. 197. Atl. States, Col.
a. inornata GROTE, Proc. Ent. Soc. Phil., iii, 86, 1864.
b. conspersa RILEY, 3d Rept. Ins. Mo., 75, 1871.
1296. *tragopoginis* LINNÆUS, Faun. Suec., 1189, 1761; SMITH, C. 197. Atl. States, Eur.
syn. *repressus* GROTE.

HELIOTROPHA Lederer.

LEDERER, Noct. Eur., 118, 1857.

1297. *reniformis* GROTE, Can. Ent., vi, 14, 1874; SMITH, C. 173. Atl. States.
a. atra GROTE, Proc. Acad. Nat. Sci. Phil., 200, 1874.
- *1298. *obtusa* SMITH, Jn. N. Y. Ent. Soc., x, 45, 1902. N. H.

PRODENIA Guenée.

GUENÉE, Spec. Gén., v, 159, 1852.

1299. *commelinæ* SMITH & ABBOT, Lep. Ins. Ga., ii, 189, 1797; SMITH, C. 169. Atl. States.
1300. *ornithogalli* GUENÉE, Spec. Gén., v, 163, 1852; SMITH, C. 169. Atl. States, Cal., Col.
 syn. *lineatella* HARVEY.
a. eudiopta GUENÉE, Spec. Gén., v, 164, 1852; SMITH, C. 170.
 syn. *flavimedia* HARVEY.
b. præfica GROTE, Can. Ent., vii, 44, 1875.
1301. *eridania* CRAMER, Pap. Exot., iv, pl. 358, f. E, 1782; SMITH, C. 169. So. States, So. Am.
 syn. *phytolaccæ* SMITH & ABBOT, *derupta* MORRISON, *nigrofasciata* HULST.

LAPHYGMA Guenée.

GUENÉE, Spec. Gén., v, 156, 1852.

1302. *frugiperda* SMITH & ABBOT, Lep. Ins. Ga., ii, 191, 1797; SMITH, C. 168. Atl. States, So. Am.
 syn. *macra* GUENÉE, *signifera* WALKER, *plagiata* WALKER, *autumnalis* RILEY.
a. obscura RILEY, 8th Rept. Ins. Mo., 49, 1876.
b. fulvosa RILEY, 8th Rept. Ins. Mo., 49, 1876.

LUSSA Grote.

GROTE, Can. Ent., xv, 127, 1883.

1303. *nigroguttata* GROTE, Can. Ent., xv, 127, 1883; SMITH, C. 167. Fla.
- *1304. *inflexa* MORRISON, Proc. Acad. Nat. Sci. Phil., 65, 1875; SMITH, C. 168. Fla.

MAGUSA Walker.

WALKER, Cat. Brit. Mus., xi, 762, 1857.

1305. *dissidens* FELDER, Reise Novara, pl. 108, f. 50. Atl. States,
1872; SMITH, C. 329; DYAR, Proc. Ent. Soc. So. Am.
Wash., iv, 453, 1901.
syn. *divaricata* GROTE, *angustipennis* MÖSCH-
LER, *divida* MÖSCHLER.

PSEUDANARTA Hy. Edwards.

HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 133, 1875; *Copanarta* GROTE, Abh. nat. Ver.
Brem., xiv, 112, 1895.

- *1306. *aurea* GROTE, Bull. Geol. Surv. Terr., v, 205, Tex.
1879; SMITH, C. 149.
1307. *flava* GROTE, Trans. Am. Ent. Soc., v, 91, 1874; N.-W. Pac.
SMITH, C. 140. States, Col.,
syn. *crocea* HY. EDWARDS. Ariz.
1308. *singula* GROTE, Can. Ent., xii, 215, 1880; SMITH, Tex., Ariz.,
C. 148. Col.
1309. *flavidens* GROTE, Bull. Geol. Surv. Terr., v, 205, Col.,
1879; SMITH, C. 149. N. Mex.
1310. *falcata* NEUMOEGEN, Pap., iii, 141, 1883; SMITH, Ariz.,
C. 149. Mex.

HOMOHADENA Grote.

GROTE, Bull. Buff. Soc., i, 180, 1873.

1311. *candida* SMITH, Proc. U. S. Nat. Mus., xxii, 478, Tex.
1900.
1312. *badistriga* GROTE, Trans. Am. Ent. Soc., iv, 20, Atl. States
1872; SMITH, C. 158. Col.
1313. *infixa* WALKER, Cat. Brit. Mus., ix, 178, 1856; So. Atl.
SMITH, C. 157. States.
syn. *kappa* GROTE.
1314. *retroversa* MORRISON, Proc. Bost. Soc. Nat. Hist., Miss.
xvii, 157, 1874; SMITH, C. 157.
1315. *induta* HARVEY, Bull. Buff. Soc., ii, 274, 1874; Tex.
SMITH, C. 157.
1316. *incomitata* HARVEY, Bull. Buff. Soc., iii, 6, 1875; Tex.
SMITH, C. 156.
1317. *stabilis* SMITH, Ent. News, vii, 29, 1896. Alberta.
*1318. *inconstans* GROTE, Can. Ent., xv, 28, 1883; SMITH, Ariz.
C. 156.

1319. *figurata* HARVEY, Can. Ent., vii, 117, 1875; SMITH, C. 157. Col., Nev., Cal.
- *1320. *chorda* GROTE, Can. Ent., xii, 256, 1880; SMITH, C. 157. Col., Cal.
- *1321. *epipaschia* GROTE, Trans. Kans. Acad. Sci., viii, 49, 1882; SMITH, C. 157. Kans., N. Mex.
1322. *vulnerea* GROTE, Can. Ent., xv, 29, 1883; SMITH, C. 157. Ariz.
- *1323. *deserta* SMITH, Proc. U. S. Nat. Mus., xiii, 402, 1890; C. 157. Ariz.

ONCOCNEMIS Lederer.

LEDERER, Noct. Eur., 94, 1857.

1324. *hayesi* GROTE, Bull. Buff. Soc., i, 106, 1873; SMITH, C. 158. Col., Cal., B. C.
1325. *dayi* GROTE, Bull. Buff. Soc., i, 105, 1873; SMITH, C. 158. Col.
1326. *fasciatus* SMITH, Ins. Life, i, 18, 1888; C. 159. Col., Cal.
- *1327. *behrensi* GROTE, Bull. Buff. Soc., ii, 65, 1874; SMITH, C. 160. Cal.
1328. *mirificalis* GROTE, Bull. Geol. Surv. Terr., v, 207, 1879; SMITH, C. 158. Nev., Cal.
1329. *tenuifascia* SMITH, Ins. Life, i, 18, 1888; C. 159. Col.
1330. *umbrifascia* SMITH, Trans. Am. Ent. Soc., xxi, 64, 1894. Col.
1331. *levis* GROTE, Can. Ent., xii, 254, 1880; SMITH, C. 159. Ariz., Col.
1332. *augustus* HARVEY, Bull. Buff. Soc., iii, 73, 1875; SMITH, C. 159. Tex., Col.
1333. *saundersiana* GROTE, Can. Ent., viii, 29, 1876; SMITH, C. 160. Miss. Vall.
- *1334. *pernotata* GROTE, Can. Ent., xv, 25, 1883; SMITH, C. 160. Ariz.
1335. *homogena* GROTE, Bull. Geol. Surv. Terr., iii, 800, 1874; SMITH, C. 160. Col.
1336. *occata* GROTE, Trans. Am. Ent. Soc., v, 114, 1874; SMITH, C. 160. Tex., Col., Cal.
1337. *fortis* GROTE, Can. Ent., xii, 257, 1880; SMITH, C. 161. Nev., Cal.
syn. *picina* GROTE, *vorax* BEHR.
1338. *chandleri* GROTE, Bull. Buff. Soc., i, 107, 1873; SMITH, C. 161. Col., Nev.

1339. *riparia* MORRISON, Can. Ent., vii, 213, 1875; N. Y.,
SMITH, C. 161. Mass.
- *1340. *extremis* SMITH, Ent. Amer., vi, 30, 1890; C. 160. B. C.
1341. *atrifasciata* MORRISON, Proc. Acad. Nat. Sci. Phil., No. Atl
431, 1875; SMITH, C. 159. States.
1342. *terminalis* SMITH, Ins. Life, i, 19, 1888; C. 159. Col.
- *1343. *simplex* SMITH, Ins. Life, i, 20, 1888; C. 159. Utah.
1344. *iricolor* SMITH, Ins. Life, i, 19, 1888; C. 160. Col.
1345. *glennyi* GROTE, Bull. Buff. Soc., i, 141, 1873; Col.
SMITH, C. 160.
- *1346. *meadiana* MORRISON, Proc. Acad. Nat. Sci. Phil., Ariz.
60, 1875; SMITH, C. 160.
1347. *major* GROTE, Pap., i, 33, 1881; SMITH, C. 162. Ariz., Col.,
syn. *aqualis* GROTE, *curvicollis* GROTE. Cal.
1348. *colorado* SMITH, Ent. News, iv, 100, 1892; Trans. Col.
Am. Ent. Soc., xxi, 66, 1894; C. 161.
1349. *corusca* SMITH, Jn. N. Y. Ent. Soc., vii, 40, 1899. Cal.
1350. *melalutea* SMITH, Jn. N. Y. Ent. Soc., vii, 39, Col.
1899.
1351. *melantho* SMITH, Jn. N. Y. Ent. Soc., vii, 37, 1899. Cal.
1352. *pohono* SMITH, Jn. N. Y. Ent. Soc., vii, 38, 1899. Cal.
- *1353. *pudorata* SMITH, Trans. Am. Ent. Soc., xxi, 63, B. C.
1894.
- *1354. *viriditincta* SMITH, Trans. Am. Ent. Soc., xxi, B. C.
66, 1894.
1355. *ciliata* SMITH, Proc. U. S. Nat. Mus., xxii, 478, Ariz.
1900.
- *1356. *barnesii* SMITH, Jn. N. Y. Ent. Soc., vii, 37, 1899. Wyo.
- *1357. *oblita* GROTE, Bull. Geol. Surv. Terr., iii, 117, Nev.
1877; SMITH, C. 162.
1358. *cibalis* GROTE, Can. Ent., xii, 244, 1880; SMITH, Col.
C. 162.
- *1359. *balteata* SMITH, Jn. N. Y. Ent. Soc., x, 43, 1902. Col.
- *1360. *regina* SMITH, Jn. N. Y. Ent. Soc., x, 44, 1902. N.-W. Terr.
1361. *atricollaris* HARVEY, Bull. Buff. Soc., ii, 273, 1874; Tex., Ariz.,
SMITH, C. 162. Col.
1362. *griseicollis* GROTE, Can. Ent., xiv, 19, 1882; Ariz.
SMITH, C. 163.
- *1363. *aterrima* GROTE, Can. Ent., xi, 199, 1879; SMITH, Col.
C. 163.

1364. *flagrantis* SMITH, Ins. Life, v, 330, 1893. Cal.
 1365. *exemplaris* SMITH, Trans. Am. Ent. Soc., xxi, 64, 1894. Cal.
 1366. *extranea* SMITH, Trans. Am. Ent. Soc., xxi, 68, 1894. Col.
 1367. *nigrocaput* SMITH, Trans. Am. Ent. Soc., xxi, 67, 1894. Col.
 1368. *refecta* SMITH, Trans. Am. Ent. Soc., xxi, 65, 1894. Col.

LEPIPOLYS Guenée.

GUENÉE, Spec. Gén., vi, 173, 1852.

1369. *perscripta* GUENÉE, Spec. Gén., vi, 174, 1852; Atl. States,
 SMITH, C. 259. Col., Cal.

ADITA Grote.

GROTE, Bull. Buff. Soc., ii, 63, 1874.

1370. *chionanthi* SMITH & ABBOT, Lep. Ins. Ga., ii, 195, Atl. States,
 1797; SMITH, C. 158. Col.

COPIPANOLIS Grote.

GROTE, 6th Rept. Peab. Acad. Sci., app., 25, 1874.

- *1371. *borealis* SMITH, Proc. U. S. Nat. Mus., xv, 61, Minn.
 1892; C. 112.
 1372. *cubilis* GROTE, 6th Rept. Peab. Acad. Sci., app., No. Atl.
 25, 1874; SMITH, C. 112. States.
 1373. *fasciata* SMITH, Proc. U. S. Nat. Mus., xv, 61, Mo.,
 1892; C. 113. Tex.
 *1374. *stigma* SMITH, Ent. Amer., vi, 220, 1890; C. 113. Fla.

EUTOLYPE Grote.

GROTE, Proc. Acad. Nat. Sci. Phil., 189, 1874.

1375. *rolandi* GROTE, Proc. Acad. Nat. Sci. Phil., 198, Atl.
 1874; SMITH, C. 112. States.
syn. vernalis MORRISON.
 1376. *bombyciformis* SMITH, Proc. U. S. Nat. Mus., xv, Mass.,
 58, 1892; C. 112. Mo.
 1377. *grandis* SMITH, Can. Ent., xxx, 321, 1898. Mo.
 1378. *depilis* GROTE, Pap., i, 48, 1881; SMITH, C. 112. Atl. States.
 *1379. *damalis* GROTE, Bull. Geol. Surv. Terr., v, 208, Cal.
 1880; SMITH, C. 112.

PSAPHIDIA Walker.

WALKER, Cat. Brit. Mus., xxxii, 447, 1865; *Dicopis* GROTE.

1380. *grotei* MORRISON, Bull. Buff. Soc., i, 274, 1874; SMITH, C. 111. No. Atl. States.
1381. *resumens* WALKER, Cat. Brit. Mus., xxxii, 448, 1865; SMITH, C. 111. Atl. States.
- syn. viridescens* WALKER, *muralis* GROTE.
- *1382. *electilis* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 114, 1875; SMITH, C. 111. Pa.
1383. *thaxterianus* GROTE, Bull. Buff. Soc., ii, 196, 1874; SMITH, C. 111; DYAR, Jn. N. Y. Ent. Soc., ix, 84, 1901. Atl. States.

CERAPODA Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 68, 1894.

1384. *stylata* SMITH, Trans. Am. Ent. Soc., xxi, 69, 1894. Col.

FOTA Grote.

GROTE, Can. Ent., xiv, 174, 1882.

1385. *armata* GROTE, Can. Ent., xiv, 175, 181, 1882; SMITH, C. 183. Ariz.
1386. *minorata* GROTE, Can. Ent., xiv, 181, 1882; SMITH C. 183. Ariz.

PODAGRA Smith.

SMITH, Jn. N. Y. Ent. Soc., x, 48, 1902.

1387. *crassipes* SMITH, Jn. N. Y. Ent. Soc., x, 48, 1902. Ariz., Cal.

CRIMONA Smith.

SMITH, Jn. N. Y. Ent. Soc., x, 49, 1902.

- *1388. *pallimedia* SMITH, Jn. N. Y. Ent. Soc., x, 49, 1902. Cal.

RHYNCHAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 13, 1890.

1389. *gilvipennis* GROTE, 6th Rept. Peab. Acad. Sci., app., 24, 1874; SMITH, C. 50. No. Atl. States.
1390. *rufipectus* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 165, 1874; SMITH, C. 51. No. U. S., Cal.
1391. *brunneicollis* GROTE, Proc. Ent. Soc. Phil., iii, 524, 1864; SMITH, C. 51. No. Atl. States, Col.

1392. *minimalis* GROTE, No. Am. Ent., i, 45, 1879; SMITH, C. 52. Me., Col.
1393. *anchocelioides* GUENÉE, Spec. Gén., v, 384, 1852; SMITH, C. 52. No. Atl. States, Rocky Mts.
syn. *cupida* GROTE, *velata* WALKER.
a. brunneipennis GROTE, Can. Ent., vii, 187, 1875.
1394. *belfragei* SMITH, Bull. 38, U. S. Nat. Mus., 20, 1890; C. 53. Tex.
1395. *placida* GROTE, Ann. Lye. Nat. Hist. N. Y., xi, 305, 1876; SMITH, C. 52. Rocky Mts., No. U. S.
1396. *variata* GROTE, Bull. Buff. Soc., iii, 83, 1876; SMITH, C. 53. Rocky Mts., B. C., Ariz.
syn. *varia* GROTE, *orbis* GROTE.
1397. *alternata* GROTE, Proc. Ent. Soc. Phil., iii, 526, 1864; SMITH, C. 53. Atl. States, Col.
1398. *trigona* SMITH, C. 53, 1893. Col., Cal., Oreg.
1399. *cupidissima* GROTE, Can. Ent., vii, 101, 1875; SMITH, C. 56. Cal.
- *1400. *bimarginalis* GROTE, Ann. Mag. Nat. Hist., 53, 1883; SMITH, C. 54. N. Mex.
1401. *vittifrons* GROTE, Proc. Ent. Soc. Phil., iii, 527, 1864; SMITH, C. 54. Col.
1402. *inelegans* SMITH, Trans. Am. Ent. Soc., xvii, 43, 1890; C. 54. Cal.
1403. *mirabilis* GROTE, No. Am. Ent., i, 39, 1879; SMITH, C. 54. Col., Ariz.
1404. *exsertistigma* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 166, 1874; SMITH, C. 55. Cal.
syn. *observabilis* GROTE.
1405. *formalis* GROTE, Bull. Buff. Soc., ii, 61, 1874; SMITH, C. 55. Pac. States.
a. facula GROTE, Bull. Buff. Soc., iii, 82, 1876.
syn. *insularis* GROTE, *emarginata* GROTE.
- *1406. *carissima* HARVEY, GROTE, Check List, 25, 1875; SMITH, C. 54. Cal.
- *1407. *lætula* GROTE, Bull. Buff. Soc., iii, 83, 1876; SMITH, C. 56. Pac. States.
syn. *distracta* SMITH.
1408. *discoidalis* GROTE, Bull. Buff. Soc., iii, 82, 1876; SMITH, C. 56. Nev., Oreg.

1409. *crenulata* SMITH, Proc. U. S. Nat. Mus., x, 451, 1887; C. 56. Pac. States.
- *1410. *confusa* SMITH, Proc. U. S. Nat. Mus., x, 452, 1887; C. 56. Wash.
- *1411. *costata* GROTE, Bull. Buff. Soc., iii, 80, 1876; SMITH, C. 55. Pac. States.
syn. *binominalis* SMITH.

ADELPHAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 38, 1890.

- *1412. *stellaris* GROTE, Can. Ent., xii, 153, 1880; SMITH, C. 57. Nev., Wash.
- *1413. *indeterminata* WALKER, Cat. Brit. Mus., xxxiii, 750, 1875; SMITH, C. 57. Pac. States.
syn. *innotabilis* GROTE, *washingtoniensis* GROTE.
- *1414. *quarta* GROTE, Bull. Geol. Surv. Terr., vi, 258, 1883; SMITH, C. 57. Cal.
1415. *prasina* FABRICIUS, Mant. Ins., ii, 169, 1787; SMITH, C. 57. No. Atl. States, Rocky Mts., Eur.
syn. *herbacea* GUENÉE.
1416. *apposita* GROTE, Bull. Geol. Surv. Terr., iv, 170, 1878; SMITH, C. 58. Pac. States, Col.

PLATAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 43, 1890.

1417. *speciosa* HÜBNER, Eur. Schmett., Noct., 491, 1815; SMITH, C. 58. No. Atl. States, Eur.
syn. *perquirita* MORRISON, *baileyana* GROTE, *mista* WALKER.
a. arctica ZETTERSTEDT, Ins. Lapl., 339, 1839.
1418. *pressa* GROTE, Trans. Am. Ent. Soc., v, 90, 1874; SMITH, C. 59. Atl. States.
1419. *condita* GUENÉE, Spec. Gén., vi, 78, 1852; SMITH, C. 59. Atl. States.
syn. *trabalis* GROTE.
- *1420. *sincera* HERRICH-SCHAEFFER, Eur. Schmett., ii, 412, 1851; SMITH, C. 59. Lab.
1421. *imperita* HÜBNER, Zutr. exot. Schmett., f. 447, 1823; SMITH, C. 59. No. Atl. States.

EUERETAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 47, 1900.

1422. *sigmoides* GUENÉE, Spec. Gén., v, 325, 1852; Atl.
SMITH, C. 60. States.
1423. *perattenta* GROTE, Can. Ent., vi, 131, 1874; SMITH, Atl.
C. 60. States.
1424. *attenta* GROTE, Can. Ent., vi, 131, 1874; SMITH, Atl.
C. 60. States.

ABAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 50, 1890.

1425. *erratica* SMITH, Bull. 38, U. S. Nat. Mus., 50, Cal.
1890; C. 60.

SEMIOPHORA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., ii, 138, 1829.

1426. *elimata* GUENÉE, Spec. Gén., v, 333, 1852; SMITH, Atl.
C. 61. States
syn. *dilucidula* MORRISON.
a. badicollis GROTE, Bull. Buff. Soc., i, 136, 1873.
b. janualis GROTE, Bull. Geol. Surv. Terr., iv,
169, 1878.
1427. *opacifrons* GROTE, Bull. Geol. Surv. Terr., iv, No. Atl.
170, 1878; SMITH, C. 61. States.
1428. *tenebrifera* WALKER, Cat. Brit. Mus., xxxiii, 714, No. Atl.
1865; SMITH, C. 62. States.
syn. *catherina* GROTE, *manifestolabes* MORRISON.
1429. *youngii* SMITH, Can. Ent., xxxiv, 29, 1902. Can.

PACHNOBIA Guenée.

GUENÉE, Spec. Gén., v, 341, 1852.

- *1430. *monochromatea* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 165, 1874; SMITH, C. 62. Mass.
1431. *littoralis* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 36, 1868; SMITH, C. 62. Col.,
Mont., Dak.
a. pectinata GROTE, Proc. Acad. Nat. Sci. Phil.,
207, 1874; SMITH, C. 63.
syn. *ferruginoides* SMITH.
1432. *carnea* THUNBERG, Mus. Acad. Nat. Ups., Diss., iv, 56, 1788; SMITH, C. 64. Arctic
Am.
a. cinerea STAUDINGER, Stett. ent. Zeit., xxii, 369,
1861.

1433. *cinerascens* SMITH, Trans. Am. Ent. Soc., xviii, 103, 1891; C. 64. Cal.
1434. *wockei* MÖSCHLER, Wien. ent. Mon., vi, 130, 1862; SMITH, C. 64. N. H., Lab.
syn. *scropulana* MORRISON.
- *1435. *okakensis* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 38, 1867; SMITH, C. 64. N. H., Lab.
- *1436. *elevata* SMITH, Trans. Am. Ent. Soc., xviii, 104, 1891; C. 64. Col.
1437. *salicarum* WALKER, Cat. Brit. Mus., xi, 717, 1857; SMITH, C. 63. No. Atl. States.
syn. *orilliana* GROTE, *claviformis* MORRISON.
- *1438. *manifesta* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 116, 1875; SMITH, C. 62. Atl. States.
- *1439. *hæsitans* WALKER, Cat. Brit. Mus., x, 329, 1856; SMITH, C. 63. Rocky Mts.
1440. *fishii* GROTE, Bull. Geol. Surv. Terr., iv, 175, 1878; SMITH, C. 64. Me.

METALEPSIS Grote.

GROTE, Check list Noct., 25, 1875; *Pseudoglyxa* GROTE.

- *1441. *cornuta* GROTE, Bull. Buff. Soc., ii, 68, 1874; SMITH, C. 210. Cal.
- *1442. *blanda* GROTE, Bull. Buff. Soc., iii, 86, 1875; SMITH, C. 210. Pac. States, Col., Tex.
syn. *tridata* GROTE, *decepta* GROTE.

SETAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 59, 1890.

- *1443. *planifrons* SMITH, Trans. Am. Ent. Soc., xvii, 42, 1890; C. 65. B. C.
1444. *radiatus* SMITH, Proc. U. S. Nat. Mus., xxii, 418, 1900. Nev.
1445. *quebecensis* SMITH, Proc. U. S. Nat. Mus., xxii, 417, 1900. Can.
1446. *elata* SMITH, Jn. N. Y. Ent. Soc., vi, 106, 1898. Col.
1447. *terrifica* SMITH, Trans. Am. Ent. Soc., xxi, 42, 1894. Col.
1448. *congrua* SMITH, Trans. Am. Ent. Soc., xvii, 43, 1890; C. 65. Oreg.

1449. *vernilis* GROTE, Can. Ent., xi, 57, 1879; SMITH, Col., Nev.,
C. 65. Cal.
- *1450. *infimatis* GROTE, No. Am. Ent., i, 93, 1880; Cal.,
SMITH, C. 65. Wash.

AGROTIS Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 66, 1816.

1451. *badinodis* GROTE, Can. Ent., vi, 13, 1874; SMITH, Atl.
C. 65. States.
1452. *violaris* GROTE & ROBINSON, Trans. Am. Ent. Pa.,
Soc., i, 353, 1868; SMITH, C. 66. N. Y.
1453. *aurulenta* SMITH, Bull. 38, U. S. Nat. Mus., 215, Col., Ariz.,
1890; C. 66. Neb.
1454. *ypsilon* ROTTEMBERG, Naturf., xli, 141, 1776; U. S.,
SMITH, C. 66. Eur.
- syn. suffusa* DENIS & SCHIFFERMÜLLER, *teliferu*
HARRIS, *idonea* CRAMER.
1455. *geniculata* GROTE & ROBINSON, Trans. Am. Ent. Atl.
Soc., i, 349, 1868; SMITH, C. 66. States.
1456. *docilis* GROTE, Bull. Geol. Surv. Terr., vi, 259, Col.
1882; SMITH, C. 68.
- syn. ingeniculata* SMITH, Bull. 38, U. S. Nat.
Mus., 216, 1890; C. 67.
- *1457. *bollii* GROTE, Bull. Geol. Surv. Terr., vi, 160, Tex.
1882; SMITH, C. 67.
- *1458. *dapsilis* GROTE, Bull. Geol. Surv. Terr., vi, 582, Fla.
1883; SMITH, C. 67.
- *1459. *nanalis* GROTE, Can. Ent., xiii, 131, 1881; SMITH, Nev.
C. 67.
- *1460. *hero* MORRISON, Proc. Bost. Soc. Nat. Hist., Mass.
xviii, 238, 1876; SMITH, C. 67.
- *1461. *tenuicola* MORRISON, Proc. Bost. Soc. Nat. Hist., N. Y.
xvii, 163, 1874; SMITH, C. 67.

PERIDROMA Hübner.

HÜBNER, Verz. bek. Schmett., 227, 1816.

1462. *occulta* LINNÆUS, Syst. Nat., iv, 514, 1767; No.
SMITH, C. 68. U. S.
- *1463. *præfica* MORRISON, Proc. Bost. Soc. Nat. Hist., Rocky
xviii, 117, 1875; SMITH, C. 68. Mts.
1464. *stricta* MORRISON, Proc. Bost. Soc. Nat. Hist., No. Atl.
xvii, 135, 1874; SMITH, C. 68. States, Col.

1465. *nigra* SMITH, Trans. Am. Ent. Soc., xxi, 43, 1894. Col.
- *1466. *grandipennis* GROTE, Ann. Mag. Nat. Hist., 54, 1883; SMITH, C. 69. N. Mex.
1467. *margaritosa* HAWORTH, Lep. Brit., 157, 1810. U. S., Eur.
a. saucia HÜBNER, Samml. Eur. Schmett., Noct., 378, 1816; SMITH, C. 69.
 syn. *inermis* HARRIS, *ortonii* PACKARD.
1468. *incivis* GUENÉE, Spec. Gén., v, 274, 1852; SMITH, C. 70. Atl. States,
 Cal.
 syn. *alabamæ* GROTE.
1469. *pellucidalis* GROTE, Bull. Geol. Surv. Terr., vi, 567, 1882; SMITH, C. 69. Tex.,
 Col.
1470. *rudens* HARVEY, Bull. Buff. Soc., ii, 271, 1874; SMITH, C. 69. Tex.
1471. *demutabilis* SMITH, Ins. Life, v, 328, 1893. Cal.
- *1472. *tenuescens* SMITH, Bull. 38, U. S. Nat. Mus., 73, 1890; C. 70. Neb.
1473. *simplaria* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 164, 1874; SMITH, C. 70. Tex.
1474. *digna* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 115, 1875; SMITH, C. 70. Tex.
 syn. *nigrovittata* GROTE.
- NOCTUA Linnæus.
- LINNÆUS, Syst. Nat., 508, 1758.
1475. *smithii* SNELLEN, Tijd. voor Ent., xxxix, 157, 1896; SMITH, Jn. N. Y. Ent. Soc., vi, 99, 1898. No. Atl.
 States.
1476. *normaniana* GROTE, Trans. Am. Ent. Soc., v, 89, 1874; SMITH, C. 71. Atl.
 States.
 syn. *obtusata* SPEYER.
1477. *esuralis* GROTE, Can. Ent., xiii, 131, 1881; SMITH, C. 72; Jn. N. Y. Ent. Soc., vi, 102, 1898. Wash.
1478. *bicarnea* GUENÉE, Spec. Gén., v, 329, 1852; SMITH, C. 71. Atl. States,
 Col.
 syn. *plagiata* WALKER.
1479. *treatii* GROTE, Can. Ent., vii, 186, 1875; SMITH, C. 71; Jn. N. Y. Ent. Soc., vi, 103, 1898. Mass.
- *1480. *conchis* GROTE, No. Am. Ent., i, 43, 1879; SMITH, C. 71. Col.,
 N. Mex.
1481. *c-nigrum* LINNÆUS, Syst. Nat., 516, 1758; SMITH, C. 72. Atl. States,
 Eur.

1482. *hospitalis* GROTE, Can. Ent., xiv, 184, 1882; N. Y.
SMITH, C. 72; Jn. N. Y. Ent. Soc., vi, 100, 1898.
1483. *jucunda* WALKER, Cat. Brit. Mus., x, 399, 1856; No.
SMITH, C. 72. U. S.
syn. perconflua GROTE.
1484. *phyllophora* GROTE, Bull. Buff. Soc., ii, 61, 1874; No. Atl.
SMITH, C. 72. States.
- syn. eriensis* GROTE.
1485. *rubifera* GROTE, Can. Ent., viii, 207, 227, 1875; No. Atl.
SMITH, C. 73; Jn. N. Y. Ent. Soc., vi, 100, 1898. States.
1486. *oblata* MORRISON, Proc. Bost. Soc. Nat. Hist., No.
xviii, 116, 1875; SMITH, C. 73. U. S.
syn. hilliana HARVEY.
1487. *rosaria* GROTE, Bull. Geol. Surv. Terr., iv, 172, Pac. States,
1878; SMITH, C. 73; Jn. N. Y. Ent. Soc., vi, Col.
102, 1898.
1488. *rava* HERRICH-SCHAEFFER, Schmett. Eur., vi, 59, Lab.,
1850; SMITH, C. 73. Nova Scotia.
syn. umbrata PACKARD.
1489. *fennica* TAUSCHER, Eversmann, Bull. Soc. Imp. No.
Mosc., i, 13, 1837; SMITH, C. 74. U. S.
syn. intractata WALKER.
1490. *plecta* LINNÆUS, Faun. Suec., 321, 1761; SMITH, No. Atl.
C. 74. States, Eur.
- syn. vicaria* WALKER.
1491. *collaris* GROTE & ROBINSON, Trans. Am. Ent. No. Atl.
Soc., i, 348, 1868; SMITH, C. 74. States.
- *1492. *juncta* GROTE, Bull. Geol. Surv. Terr., iv, 171, Nova Scotia,
1878; SMITH, C. 74. Alberta.
syn. patefacta SMITH, Ent. News, vi, 333, 1895.
1493. *haruspica* GROTE, Bull. Buff. Soc., ii, 212, 1875; No. U. S.
SMITH, C. 74.
syn. grandis SPEYER.
1494. *inopinatus* SMITH, Jn. N. Y. Ent. Soc., vi, 103, Col.,
1898. Alberta.
- *1495. *sierræ* HARVEY, Can. Ent., viii, 37, 1876; SMITH, Cal.,
C. 75. Col.
1496. *clandestina* HARRIS, Ins. Inj. Veg., 448, 1862; Atl. States,
SMITH, C. 75. Rocky Mts.
syn. unicolor WALKER, *nigriceps* WALKER.
1497. *clemens* SMITH, Trans. Am. Ent. Soc., xvii, 44, Cal.
1890; C. 75.

1498. *pyrophiloides* HARVEY, Can. Ent., viii, 37, 1876; Cal.
SMITH, C. 78.
- *1499. *subporphyrea* WALKER, Cat. Brit. Mus., xiv, Ga.
1658, 1858; SMITH, C. 76.
1500. *havlæ* GROTE, Bull. Geol. Surv. Terr., vi, 157, Cal.,
1880; SMITH, C. 76. Col.
1501. *piscipellis* GROTE, Can. Ent., x, 233, 1878; SMITH, Col., Nev.,
C. 76. Ariz.
1502. *atrifrons* GROTE, Bull. Buff. Soc., i, 97, 1873; Rocky
SMITH, C. 77. Mts.
1503. *plebeia* SMITH, Jn. N. Y. Ent. Soc., vi, 105, 1898. B. C.
1504. *atricincta* SMITH, Ent. News, vi, 333, 1895. Alberta.
- *1505. *pallidicollis* GROTE, Bull. Geol. Surv. Terr., vi, Cal.
154, 1880; SMITH, C. 77.
1506. *substrigata* SMITH, Ent. News, vi, 352, 1895. Alberta.
1507. *flavotincta* SMITH, Trans. Am. Ent. Soc., xxi, 45, B. C.
1898.
1508. *calgary* SMITH, Jn. N. Y. Ent. Soc., vi, 101, 1898. Alberta.
1509. *exuberans* SMITH, Jn. N. Y. Ent. Soc., vi, 103, Col.
1898.
1510. *bolteri* SMITH, Jn. N. Y. Ent. Soc., vi, 104, 1898. N. Mex.
1511. *cynica* SMITH, Jn. N. Y. Ent. Soc., vi, 101, 1898. N. Y.
- *1512. *tepperi* SMITH, Proc. U. S. Nat. Mus., x, 452, Mont.
1887; C. 77.
1513. *vocalis* GROTE, Can. Ent., xi, 56, 1879; SMITH, Col., Nev.,
C. 77. N. Mex.
syn. invenusta GROTE.
1514. *lubricans* GUENÉE, Spec. Gén., v, 323, 1852; U. S.
SMITH, C. 77.
syn. associans WALKER, *illapsa* WALKER.
a. beata GROTE, Ann. Mag. Nat. Hist., (5), xi, 54,
1883.
- *1515. *spretta* SMITH, Jn. N. Y. Ent. Soc., x, 36, 1902. Fla.

PRONOCYBA Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 44, 1894.

1516. *typica* SMITH, Trans. Am. Ent. Soc., xxi, 45, 1894. Col.

CHORIZAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 98, 1890.

1517. *auxiliaris* GROTE, Bull. Buff. Soc., i, 196, 1872; Col., Tex.,
SMITH, C. 78. Cal.
1518. *introferens* GROTE, Proc. Acad. Nat. Sci. Phil., Col., Tex.,
423, 1873; SMITH, C. 78. Cal.
1519. *agrestis* GROTE, Bull. Geol. Surv. Terr., iii, 118, Rocky Mts.,
1877; SMITH, C. 78. Tex., Cal.
syn. *mercenaria* GROTE.
1520. *soror* SMITH, Proc. U. S. Nat. Mus., x, 453, 1887; Mont.,
C. 78. Tex.
1521. *inconcinna* HARVEY, Bull. Buff. Soc., iii, 5, 1875; Ariz., Tex.,
SMITH, C. 78. Col.
- *1522. *terrealis* GROTE, Trans. Kans. Acad. Sci., viii, N. Mex.
47, 1882; SMITH, C. 79.
1523. *immixta* GROTE, Bull. Geol. Surv. Terr., vi, 259, Tex.
1882; SMITH, C. 79.
1524. *balanitis* GROTE, Bull. Buff. Soc., i, 97, 1873; Col.,
SMITH, C. 79. B. C.

RHIZAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 41, 1890.

1525. *albalis* GROTE, Bull. Geol. Surv. Terr., iv, 175, Col.
1878; SMITH, C. 80.
1526. *cloanthoides* GROTE, Bull. Geol. Surv. Terr., vi, Col.
153, 1880; SMITH, C. 80.
1527. *abnormis* SMITH, Trans. Am. Ent. Soc., xvii, 41, Cal.
1890; C. 79.
- *1528. *proclivis* SMITH, Proc. U. S. Nat. Mus., x, 453, Ariz.
1887; C. 79.
- *1529. *acclivis* MORRISON, Ann. Lye. Nat. Hist. N. Y., Ariz., Tex.,
xi, 93, 1875; SMITH, C. 79. Col.
syn. *opaca* HARVEY.
1530. *albicosta* SMITH, Proc. U. S. Nat. Mus., x, 451, Rocky
1887; C. 80. Mts.
- *1531. *flavicollis* SMITH, Proc. U. S. Nat. Mus., x, 456, Rocky
1887; C. 90. Mts.
1532. *apicalis* GROTE, Bull. Geol. Surv. Terr., vi, 153, Col.,
1882; SMITH, C. 80. N. Mex.
1533. *lagena* GROTE, Can. Ent., vii, 26, 1875; SMITH, Rocky Mts.,
C. 80. Cal.



*1534. **atha** STRECKER, Lep. Rhop. Het., suppl. 2, 6, Wash.
1898.

FELTIA Walker.

WALKER, Cat. Brit. Mus., ix, 203, 1856.

1535. **robustior** SMITH, Can. Ent., xxxi, 206, 1899. Man.
- *1536. **olivia** MORRISON, Proc. Bost. Soc. Nat. Hist., Utah.
xviii, 238, 1876; SMITH, C. 80.
1537. **longidens** SMITH, Bull. 38, U. S. Nat. Mus., 217, N. Mex.
1890; C. 81.
1538. **subgothica** HAWORTH, Lep. Brit., 224, 1810; No.
SMITH, C. 81; Jn. N. Y. Ent. Soc., x, 36, 1902; U. S.
SLINGERLAND, Can. Ent., xxvii, 301, 1895;
xxviii, 295, 1896.
- *1539. **edentata** SMITH, Jn. N. Y. Ent. Soc., x, 38, 1902. Wash.
1540. **jaculifera** GUENÉE, Spec. Gén., v, 262, 1852. Atl. States,
SMITH, C. 81. Col.
- syn. *tricolor* LINTNER.
- a. herilis* GROTE, Bull. Buff. Soc., i, 99, 1873;
SMITH, C. 82.
1541. **pectinicornis** SMITH, Bull. 38, U. S. Nat. Mus., Tex.
114, 1890; C. 82.
- *1542. **evanidalis** GROTE, Bull. Geol. Surv. Terr., iv, Cal.
172, 1878; SMITH, C. 82.
- *1543. **circumdata** GROTE, Ann. Mag. Nat. Hist., (5), N. Mex.
xi, 53, 1883; SMITH, C. 82.
1544. **gladiaria** MORRISON, Proc. Bost. Soc. Nat. Hist., Atl.
xvii, 162, 1874; SMITH, C. 82. States.
- syn. *morrisoniana* RILEY.
1545. **venerabilis** WALKER, Cat. Brit. Mus., x, 328, U. S.
1856; SMITH, C. 83.
1546. **gravis** GROTE, Bull. Buff. Soc., ii, 155, 1874; Cal.
SMITH, C. 83.
- syn. *vapularis* GROTE.
1547. **vancouverensis** GROTE, Bull. Buff. Soc., i, 134, Pac.
1873; SMITH, C. 83. States.
- syn. *hortulana* MORRISON, *semiclarata* GROTE,
agilis GROTE.
1548. **æneipennis** GROTE, Bull. Buff. Soc., iii, 81, 1876; Pac.
SMITH, C. 83. States.
- syn. *dodiana* GROTE.
1549. **volubilis** HARVEY, Bull. Buff. Soc., ii, 118, 1874; U. S.
SMITH, C. 84.
- syn. *stigmosa* MORRISON.

1550. **annexa** TREITSCHKE, Schmett. Eur., v, 154, 1825; Atl. States,
SMITH, C. 84. So. Am.
syn. *decernens* WALKER.

1551. **malefida** GUENÉE, Spec. Gén., v, 267, 1852; U. S.,
SMITH, C. 84. So. Am.

POROSAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 123, 1890.

1552. **vetusta** WALKER, Cat. Brit. Mus., ix, 78, 1856; Atl. States,
SMITH, C. 85. Col.
syn. *murenula* GROTE & ROBINSON.

1553. **catenula** GROTE, No. Am. Ent., i, 44, 1879; Rocky Mts.,
SMITH, C. 85. Cal.

1554. **texana** GROTE, Proc. Ent. Soc. Phil., ii, 273, Tex., Col.,
1863; SMITH, C. 86. Mont.
syn. *obesula* SMITH, Proc. U. S. Nat. Mus., x,
456, 1887; C. 85.

1555. **satiens** SMITH, Trans. Am. Ent. Soc., xvii, 45, Col.,
1890; C. 85. B. C.

1556. **mimallonis** GROTE, Bull. Buff. Soc., i, 98, 1873; Mont., Col.,
SMITH, C. 85. Can., N. Y.
syn. *rufipennis* GROTE.

- *1557. **fusca** BOISDUVAL, Icon. Hist. Lep., pl. 48, f. 4, Lab.,
1834; SMITH, C. 86. Rocky Mts.
syn. *septentrionalis* MÖSCHLER, *patula*
WALKER.

1558. **tripars** WALKER, Cat. Brit. Mus., ix, 78, 1856; N. Y.,
SMITH, C. 86. Ind.
syn. *worthingtoni* GROTE.

1559. **rileyana** MORRISON, Proc. Bost. Soc. Nat. Hist., Atl. States,
xvii, 166, 1874; SMITH, C. 86. Rocky Mts.

1560. **orthogonia** MORRISON, Proc. Bost. Soc. Nat. Rocky
Hist., xviii, 239, 1876; SMITH, C. 87. Mts.

1561. **dædalus** SMITH, Bull. 38, U. S. Nat. Mus., 217, Col.
1890; C. 87.

- *1562. **dollii** GROTE, Can. Ent., xiv, 216, 1882; SMITH, Ariz.
C. 87.

1563. **milleri** GROTE, Bull. Buff. Soc., iii, 78, 1875; Cal.
SMITH, C. 87.

1564. **pluralis** GROTE, Bull. Geol. Surv. Terr., iv, 174, Nev.,
1878; SMITH, C. 87. Col.

PARAGROTIS Pratt.

Carneades GROTE (not BATES), Can. Ent., xv, 4, 1883.—F. C. PRATT.

1565. *edictalis* SMITH, Trans. Am. Ent. Soc., xxi, 40, Col.
1894.
1566. *siccata* SMITH, Trans. Am. Ent. Soc., xxi, 46, Col.
1894.
1567. *wilsonii* GROTE, Bull. Buff. Soc., i, 135, 1873; Cal.,
SMITH, C. 88. Col.
- syn. *specialis* GROTE, *equalis* HARVEY.
1568. *lacunosa* GROTE, Bull. Geol. Surv. Terr., iv, 172, Cal.
1878; SMITH, C. 88.
1569. *segregata* SMITH, Trans. Am. Ent. Soc., xxi, 47, Col.
1894.
1570. *lætificans* SMITH, Trans. Am. Ent. Soc., xxi, 48, Col.
1894.
1571. *recula* HARVEY, Can. Ent., viii, 37, 1876; SMITH, Oreg., Col.
C. 88.
1572. *cicatricosa* GROTE & ROBINSON, Proc. Ent. Soc. Col.
Phil., iv, 492, 1865; SMITH, C. 88.
1573. *neomexicana* SMITH, Bull. 38, U. S. Nat. Mus., N. Mex.
218, 1890; C. 88.
1574. *quadridentata* GROTE & ROBINSON, Proc. Ent. Col.,
Soc. Phil., iv, 491, 1865; SMITH, C. 89. Oreg.
1575. *niveilinea* GROTE, Can. Ent., xiv, 216, 1882; Rocky
SMITH, C. 89. Mts., Tex.
- *1576. *insertans* SMITH, Trans. Am. Ent. Soc., xvii, 45, B. C.
1890; C. 89.
1577. *brevipennis* SMITH, Proc. U. S. Nat. Mus., x, 455, Cal.,
1887; C. 89. Col.
1578. *oblongostigma* SMITH, Proc. U. S. Nat. Mus., x, Mont.,
454, 1887; C. 89. Col.
1579. *plagigera* MORRISON, Proc. Bost. Soc. Nat. Hist., No.
xvii, 163, 1874; SMITH, C. 89. U. S.
- *1580. *agema* STRECKER, Lep. Rhop. Het., suppl. 2, 5, Col.
1899.
1581. *olivalis* GROTE, No. Am. Ent., i, 43, 1879; SMITH, Col.,
C. 89. Utah.
1582. *ridingsiana* GROTE, Bull. Buff. Soc., ii, 305, 1875; Rocky
SMITH, C. 90. Mts.
- *1583. *dargo* STRECKER, Lep. Rhop. Het., suppl. 1, 6, Col.
1898.

1584. *pugionis* SMITH, Proc. U. S. Nat. Mus., xxii, 419, 1900. Col.
1585. *flavidens* SMITH, Proc. U. S. Nat. Mus., x, 455, 1887; C. 90. Rocky Mts.
1586. *loya* SMITH, Proc. U. S. Nat. Mus., xxii, 422, 1900. Cal.
1587. *bicollaris* GROTE, Bull. Geol. Surv. Terr., iv, 173, 1878; SMITH, C. 90. Cal., Nev., Ariz.
1588. *brocha* MORRISON, Proc. Acad. Nat. Sci. Phil., 56, 1875; SMITH, C. 90. Col., Nev., Kans., Neb.
syn. *bochus* MORRISON.
1589. *sponsa* SMITH, Proc. U. S. Nat. Mus., x, 457, 1887; C. 90. Wash.
1590. *cogitans* SMITH, Trans. Am. Ent. Soc., xvii, 46, 1890; C. 90. Cal., Col.
- *1591. *achor* STRECKER, Lep. Rhop. Het., suppl. 2, 5, 1899. Col.
1592. *stigmatalis* SMITH, Proc. U. S. Nat. Mus., x, ii, 425, 1900. Col.
1593. *hollemanii* GROTE, Can. Ent., vi, 156, 1874; SMITH, C. 91. Cal., Ariz., Col.
1894. *collocata* SMITH, Trans. Am. Ent. Soc., xxi, 50, 1894. Col.
1595. *nevada* SMITH, Proc. U. S. Nat. Mus., xxii, 420, 1900. Nev.
- *1596. *atristrigata* SMITH, Ent. Amer., vi, 76, 1890; C. 91. B. C.
1597. *bielavis* GROTE, Bull. Geol. Surv. Terr., v, 206, 1879; SMITH, C. 91. Ariz.
1598. *perpolita* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 237, 1876; SMITH, C. 91. No. Atl. States, Col.
1599. *fumalis* GROTE, Bull. Buff. Soc., i, 98, 1873; SMITH, C. 91. Atl. States.
syn. *permunda* MORRISON.
1600. *perfusca* GROTE, Pap., iii, 77, 1883; SMITH, C. 91. Cal., Col., Ariz.
1601. *punctigera* WALKER, Cat. Brit. Mus., xxxii, 661, 1865; SMITH, C. 92. Pac. States, Rocky Mts.
syn. *pastoralis* GROTE.
1602. *finis* SMITH, Proc. U. S. Nat. Mus., x, 457, 1887; C. 92. Mont.
1603. *velleripennis* GROTE, Sixth Rept. Peab. Acad. Sci., app., 25, 1874; SMITH, C. 92. Atl. States, Col.

1604. *atomaris* SMITH, Trans. Am. Ent. Soc., xvii, 47, 1890; C. 92. Cal., Col.
1605. *flaviscapula* SMITH, Proc. U. S. Nat. Mus., xxii, 422, 1900. N. Mex.
1606. *exculpta* SMITH, Proc. U. S. Nat. Mus., xxii, 424, 1900. Col.
1607. *excogita* SMITH, Proc. U. S. Nat. Mus., xxii, 423, 1900. Col.
1608. *gagates* GROTE, Can. Ent., vii, 68, 1875; SMITH, C. 92. Col., Cal.
1609. *nævulus* SMITH, Proc. U. S. Nat. Mus., xxii, 424, 1900. Cal.
1610. *citricolor* GROTE, Can. Ent., xii, 154, 1880; SMITH, C. 92. Rocky Mts.
1611. *acornis* SMITH, Ent. News, vi, 335, 1895. Alberta.
1612. *megastigma* SMITH, Proc. U. S. Nat. Mus., xxii, 425, 1900. Alberta.
1613. *mœrens* GROTE, Can. Ent., xv, 4, 1883; SMITH, C. 93. Ariz.
1614. *misturata* SMITH, Bull. 38, U. S. Nat. Mus., 156, 1890; C. 92. Col.
1615. *mitis* SMITH, Trans. Am. Ent. Soc., xxi, 49, 1894. Col.
1616. *candida* SMITH, Trans. Am. Ent. Soc., xxi, 49, 1894. Mont.
1617. *contagionis* SMITH, Proc. U. S. Nat. Mus., xxii, 421, 1900. Col., Nev.
- *1618. *dolis* GROTE, No. Am. Ent., i, 91, 1880; SMITH, C. 93. Col.
1619. *falerina* SMITH, Proc. U. S. Nat. Mus., xxii, 429, 1900. Col.
1620. *scandens* RILEY, First Rept. Ins. Mo., 76, 1869; SMITH, C. 93. Atl. States, Col.
- *1621. *detesta* SMITH, C. 93, 1893. Col.
1622. *remota* SMITH, Trans. Am. Ent. Soc., xvii, 48, 1890; C. 93. Cal., Col.
1623. *detersa* WALKER, Cat. Brit. Mus., ix, 212, 1856; SMITH, C. 93. Atl. States, Col.
syn. *pitychrous* GROTE, *personata* MORRISON.
- *1624. *infracta* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 115, 1875; SMITH, C. 93. Col., Tex.
- *1625. *gian* STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898. Ariz.

- *1626. *azif* STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898. N. Y.
1627. *luteola* SMITH, Proc. U. S. Nat. Mus., x, 457, 1887; C. 94. Ariz.
- *1628. *serricornis* SMITH, Proc. U. S. Nat. Mus., x, 458, 1887; C. 94. So. Cal.
- *1629. *tetrica* SMITH, Proc. U. S. Nat. Mus., x, 458, 1887; C. 94. Tex., Nev.
1630. *vulpina* SMITH, Ent. News, vi, 335, 1895. Alberta.
1631. *bostoniensis* GROTE, Proc. Acad. Nat. Sci. Phil., 203, 1874; SMITH, C. 94. Atl. States.
1632. *cænis* GROTE, No. Am. Ent., i, 44, 1879; SMITH, C. 94. Col., N. Mex.
1633. *muscosa* GROTE, Can. Ent., xv, 26, 1883; SMITH, C. 94. Col.
1634. *medialis* SMITH, Proc. U. S. Nat. Mus., x, 459, 1887; C. 95. Tex., Col.
1635. *feniseca* HARVEY, Bull. Buff. Soc., iii, 74, 1875; SMITH, C. 95. Cal.
1636. *audentis* SMITH, Trans. Am. Ent. Soc., xxi, 51, 1894. Col.
syn. *annir* STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898.
1637. *cona* STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898. Col.
1638. *enteridis* SMITH, Proc. U. S. Nat. Mus., xxii, 427, 1900. Wash.
1639. *vallus* SMITH, Proc. U. S. Nat. Mus., xxii, 430, 1900. B. C.
1640. *termessus* SMITH, Proc. U. S. Nat. Mus., xxii, 426, 1900. Wyo.
- *1641. *alko* STRECKER, Lep. Rhop. Het., suppl. 2, 5, 1899. Col.
1642. *dakota* SMITH, Proc. U. S. Nat. Mus., xxii, 442, 1900. Dak.
1643. *sessile* SMITH, Proc. U. S. Nat. Mus., xxii, 431, 1900. Col.
1644. *relaxus* SMITH, Proc. U. S. Nat. Mus., xxii, 432, 1900. Cal.
1645. *luteositus* SMITH, Proc. U. S. Nat. Mus., xxii, 433, 1900. Col.

- *1646. *extranea* SMITH, Proc. U. S. Nat. Mus., x, 459, 1887; C. 95. Mont.
- *1647. *trifasciata* SMITH, Proc. U. S. Nat. Mus., x, 460, 1887; C. 95. Oreg.
1648. *bifasciata* SMITH, Proc. U. S. Nat. Mus., x, 460, 1887; C. 95. Ariz.
1649. *messoria* HARRIS. Rep. Ins. Mass., 324, 1841; SMITH, C. 96; Proc. U. S. Nat. Mus., xxii, 434, 1900. U. S.
- syn. *spissa* GUENÉE, *cochrani* RILEY, *repentis* GROTE & ROBINSON, *displiciens* WALKER, *reticens* WALKER, *ordinata* WALKER, *inextricata* WALKER, *indirecta* WALKER, *septentrionalis* WALKER, *inducta* WALKER.
1650. *incubita* SMITH, Proc. U. S. Nat. Mus., xxii, 435, 1900. Wash., Cal.
1651. *terrenus* SMITH, Proc. U. S. Nat. Mus., xxii, 436, 1900. Wash.
1652. *pleuritica* GROTE, Check List, 47, 1875; SMITH, C. 97. No. Atl. States.
1653. *tocoyæ* SMITH, Proc. U. S. Nat. Mus., xxii, 433, 1900. Cal.
1654. *territorialis* SMITH, Proc. U. S. Nat. Mus., xxii, 436, 1900. Col., Wash.
1655. *fulda* SMITH, Proc. U. S. Nat. Mus., xxii, 437, 1900. Cal.
- *1656. *drewseni* STAUDINGER, Stett. ent. Zeit., xviii, 302, 1857; SMITH, C. 97. Greenl.
1657. *rubefactalis* GROTE, Bull. Geol. Surv. Terr., vi, 154, 1880; SMITH, C. 97. Wash., Col.
1658. *perturbata* SMITH, Bull. 38, U. S. Nat. Mus., 222, 1890; C. 97. Col.
1659. *brunneigera* GROTE, Bull. Buff. Soc., iii, 80, 1875; SMITH, C. 98. Pac. States, Col., La.
1660. *incallida* SMITH, Trans. Am. Ent. Soc., xvii, 50, 1890; C. 98. Cal.
1661. *lutulenta* SMITH, Trans. Am. Ent. Soc., xvii, 50, 1890; C. 98. Cal., Col.
- *1662. *comosa* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 238, 1876; SMITH, C. 95. Col.
- *1663. *fauna* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 237, 1876; SMITH, C. 98. Cal.

1664. *itodes* SMITH, Proc. U. S. Nat. Mus., xxii, 438, 1900. Ariz.
1665. *lagganæ* SMITH, Proc. U. S. Nat. Mus., xxii, 439, 1900. Alberta.
1666. *ontario* SMITH, Proc. U. S. Nat. Mus., xxii, 440, 1900. Can.
1667. *testula* SMITH, Proc. U. S. Nat. Mus., xxii, 440, 1900. Alberta.
1668. *difformis* SMITH, Proc. U. S. Nat. Mus., xxii, 441, 1900. Oreg.
1669. *choris* HARVEY, Can. Ent., viii, 37, 1876; SMITH, C. 97. Nev.
1670. *sculptilis* HARVEY Bull. Buff. Soc., ii, 271, 1874; SMITH, C. 95. Tex., N. Mex.
syn. *ayliniformis* SMITH.
1671. *conjuncta* SMITH, Bull. 38, U. S. Nat. Mus., 221, 1890; C. 98. N. Mex., Col.
1672. *pallipennis* SMITH, Proc. U. S. Nat. Mus., x, 461, 1887; C. 104. Col., B. C.
1673. *recticineta* SMITH, Ent. News, vi, 334, 1895. Alberta.
1674. *annulipes* SMITH, Trans. Am. Ent. Soc., xvii, 48, 1890; C. 98. Oreg.
1675. *pedalis* SMITH, Bull. 38, U. S. Nat. Mus., 220, 1890; C. 98. Col.
1676. *lineifrons* SMITH, Bull. 38, U. S. Nat. Mus., 219, 1890; C. 98. Col.
1677. *kervillei* SMITH, Proc. U. S. Nat. Mus., xxii, 443, 1900. Tex.
- *1678. *teleboa* SMITH, Bull. 38, U. S. Nat. Mus., 219, 1890. N. Mex., Col.
1679. *murdockii* SMITH, Trans. Am. Ent. Soc., xvii, 49, 1890; C. 99. Utah, B. C.
1680. *quinguelinea* SMITH, Trans. Am. Ent. Soc., xvii, 49, 1890; C. 99. Cal.
1681. *friabilis* GROTE, Can. Ent., vii, 187, 1875; SMITH, C. 99. No. U. S.
1682. *fuscigera* GROTE, Can. Ent., vi, 155, 1874; SMITH, C. 99. Cal., Col.
- *1683. *orbicularis* SMITH, Proc. U. S. Nat. Mus., x, 460, 1887; C. 99. Nev.

- *1684. *micronyx* GROTE, Bull. Geol. Surv. Terr., iv, 171, 1878; SMITH, C. 99. Cal.
1685. *atropulverea* SMITH, Proc. U. S. Nat. Mus., xxii, 428, 1900. Col.
- *1686. *numa* STRECKER, Lep. Rhop. Het., suppl. 1, 5, 1898. Wash.
1687. *ternarius* SMITH, Proc. U. S. Nat. Mus., xxii, 444, 1900. Col.
1688. *compressipennis* SMITH, Proc. U. S. Nat. Mus., xxii, 429, 1900. Cal.
1689. *holoberba* SMITH, Proc. U. S. Nat. Mus., xxii, 443, 1900. Alberta.
1690. *objurgata* SMITH, Proc. U. S. Nat. Mus., xxii, 448, 1900. Wash., Dak.
1691. *cariosus* SMITH, Proc. U. S. Nat. Mus., xxii, 449, 1900. Wash.
1692. *intrita* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 164, 1874; SMITH, C. 99. B. C., Cal., Ariz.
- *1693. *mollis* WALKER, Cat. Brit. Mus., x, 331, 1856; SMITH, C. 100. Me., Can., Col.
syn. *fernaldi* MORRISON.
- *1694. *opipara* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 165, 1874; SMITH, C. 100. N. H., Lab.
syn. *labra-ioriensis* STAUDINGER.
- *1695. *tristicula* MORRISON, Proc. Acad. Nat. Sci. Phil., 429, 1875; SMITH, C. 100. Me.
1696. *munis* GROTE, No. Am. Ent., i, 38, 1879; SMITH, C. 100. Col., Nev., N. Mex.
syn. *sublatis* GROTE.
- *1697. *dissona* MÖSCHLER, Wien. ent. Mon., iv, 365, 1860; SMITH, C. 101. Lab.
1698. *vetusta* WALKER, Cat. Brit. Mus., xxxii, 662, 1865; SMITH, C. 101. Pac. States.
syn. *tetra* WALKER, *euroides* GROTE, *perpura* MORRISON.
1699. *titubatis* SMITH, Trans. Am. Ent. Soc., xxi, 51, 1894. Oreg., Col.
- *1700. *reuda* STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898. Wash.
1701. *noctuiiformis* SMITH, Proc. U. S. Nat. Mus., xxii, 445, 1900. Cal., Wash.

1702. **infausta** WALKER, Cat. Brit. Mus., xxxiii, 729, 1865; SMITH, C. 101. B. C., Col., N. Mex.
syn. *rufula* SMITH.
1703. **basiflava** SMITH, Trans. Am. Ent. Soc., xvii, 52, 1890; C. 101. B. C., Col.
1704. **alticola** SMITH, Trans. Am. Ent. Soc., xvii, 51, 1890; C. 101. Cal., Col.
- *1705. **satis** HARVEY, Can. Ent., viii, 36, 1876; SMITH, C. 102. Cal., Nev., Mont.
1706. **rena** SMITH, Trans. Am. Ent. Soc., xvii, 53, 1890; C. 102. Cal.
1707. **insulsa** WALKER, Cat. Brit. Mus., ix, 234, 1856; SMITH, C. 102. U. S.
syn. *insignata* WALKER, *expulsa* WALKER, *declarata* WALKER, *decolor* MORRISON, *campestris* GROTE.
a. verticalis GROTE, Bull. Brook. Ent. Soc., iii, 29, 1880.
1708. **albipennis** GROTE, Bull. Buff. Soc., iii, 118, 1877; SMITH, C. 103. Atl. States, Rocky Mts.
syn. *nigripennis* GROTE.
- *1709. **spectanda** SMITH, Trans. Am. Ent. Soc., xvii, 54, 1890; C. 103. Cal.
1710. **neotelis** SMITH, Proc. U. S. Nat. Mus., xxii, 446, 1900. Wash. Col.
1711. **tessellata** HARRIS, Rep. Ins. Mass., 324, 1841; SMITH, C. 103. U. S.
syn. *maizi* FITCH, *atropurpurea* GROTE.
1712. **intrusa** SMITH, Proc. U. S. Nat. Mus., xxii, 446, 1900. Cal.
1713. **atrofusca** SMITH, Proc. U. S. Nat. Mus., xxii, 447, 1900. Col.
1714. **malis** SMITH, Proc. U. S. Nat. Mus., xxii, 450, 1900. Man.
- *1715. **colla** STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898. Col.
1716. **basalis** GROTE, No. Am. Ent., i, 38, 1879; SMITH, C. 104. Col.
- *1717. **solitaria** SMITH, Stett. ent. Zeit., xlvi, 223, 1885; C. 104. Lab.
1718. **nostra** SMITH, Trans. Am. Ent. Soc., xvii, 55, 1890; C. 104. Cal.

1719. *ochrogaster* GUENÉE, Spec. Gén., v, 327, 1852; SMITH, C. 104. No. Atl. States, Col.
syn. *illata* WALKER, *cinereomaculata* MORRISON, *gularis* GROTE, *turris* GROTE.
1720. *idahoensis* GROTE, Bull. Geol. Surv. Terr., iv, 171, 1878; SMITH, C. 105. Rocky Mts.
1721. *furtivus* SMITH, Trans. Am. Ent. Soc., xvii, 56, 1890; C. 105. Cal., Col.
- *1722. *westermanni* STAUDINGER, Stett. ent. Zeit., xviii, 303, 1857; SMITH, C. 105. Lab., Greenl.
1723. *fœminalis* SMITH, Proc. U. S. Nat. Mus., xxii, 454, 1900. Col.
1724. *obeliscoides* GUENÉE, Spec. Gén., v, 293, 1852; SMITH, C. 105. No. Atl. States, Rocky Mts.
syn. *scatilis* GROTE.
1725. *infusa* SMITH, Can. Ent., xxxiv, 30, 1902. Man., Wyo.
1726. *perexcellens* GROTE, Bull. Geol. Surv. Terr., vi, 156, 1880; SMITH, C. 106. Pac. States, Col.
syn. *infelix* SMITH.
- *1727. *abar* STRECKER, Lep. Rhop. Het., suppl. 2, 5, 1899. Col.
- *1728. *islandica* STAUDINGER, Stett. ent. Zeit., xviii, 232, 1857; SMITH, C. 106. Iceland.
1729. *henrietta* SMITH, Proc. U. S. Nat. Mus., xxii, 452, 1900. Cal., Ariz.
1730. *vanidicus* SMITH, Proc. U. S. Nat. Mus., xxii, 453, 1900. Ariz., Wash.
1731. *acutifrons* SMITH, Proc. U. S. Nat. Mus., xxii, 458, 1900. Cal., Oreg.
1732. *nordica* SMITH, Proc. U. S. Nat. Mus., xxii, 455, 1900. B. C.
1733. *factoris* SMITH, Proc. U. S. Nat. Mus., xxii, 456, 1900. Col.
- *1734. *colata* GROTE, Can. Ent., xiii, 131, 1881; SMITH, C. 106. Oreg., Cal.
- *1735. *lewisi* GROTE, Bull. Buff. Soc., i, 137, 1873; SMITH, C. 106. Col.
1736. *divergens* WALKER, Cat. Brit. Mus., x, 327, 1856; SMITH, C. 107. No. U. S.
syn. *versipellis* GROTE.
1737. *redimicula* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 165, 1874; SMITH, C. 107. No. Atl. States, Col.
1738. *servitus* SMITH, Ent. News, vi, 336, 1895. Col., Alberta.

1739. *fusimacula* SMITH, Can. Ent., xxxiv, 125, 1902. Cal.
1740. *pindar* SMITH, Proc. U. S. Nat. Mus., xxii, 451, 1900. Utah.
- *1741. *atrifera* GROTE, Bull. Geol. Surv. Terr., iv, 173, 1878; SMITH, C. 107. Cal., Col., Me.
- *1742. *strigilis* GROTE, Bull. Buff. Soc., iii, 81, 1876; SMITH, C. 107. B. C.
1743. *tesselloides* GROTE, Bull. Geol. Surv. Terr., vi, 566, 1880; SMITH, C. 107. Cal., Ariz., Col.
1744. *cæsius* SMITH, Proc. U. S. Nat. Mus., xxii, 457, 1900. Cal.
1745. *silens* GROTE, Can. Ent., vii, 67, 1875; SMITH, C. 107. Cal., Ariz., Col.
1746. *laminis* SMITH, Proc. U. S. Nat. Mus., xxii, 460, 1900. Cal.
1747. *selenis* SMITH, Proc. U. S. Nat. Mus., xxii, 459, 1900. Cal.
- *1748. *perlentans* WALKER, Cat. Brit. Mus., x, 352, 1856; SMITH, C. 108. N. Y.

EUCOPTOCNEMIS Grote.

GROTE, Bull. Buff. Soc., ii, 13, 1874.

1749. *fimbriaris* GUENÉE, Spec. Gén., v, 172, 1852; SMITH, C. 109. Mass.
syn. *obvia* WALKER.

RICHIA Grote.

GROTE, Can. Ent., xix, 44, 1887.

1750. *chortalis* HARVEY, Bull. Buff. Soc., ii, 272, 1875; SMITH, C. 108. Tex., Rocky Mts.
a. atratrix HARVEY, Bull. Buff. Soc., iii, 74, 1875.
1751. *parentalis* GROTE, No. Am. Ent., i, 44, 1879; SMITH, C. 108. Col., N. Mex.
a. decipiens GROTE, No. Am. Ent., i, 45, 1879.
- *1752. *distichoides* GROTE, Trans. Kans. Acad. Sci., viii, 48, 1883; SMITH, C. 109. N. Mex.

ANYTUS Grote.

GROTE, Bull. Buff. Soc., i, 144, 1873.

1753. *privatus* WALKER, Cat. Brit. Mus., xi, 521, 1857; SMITH, C. 109. Atl. States, Col.
syn. *sculptus* GROTE.
a. planus GROTE, Can. Ent., xiv, 183, 1882.

- *1754. *theodora* SCHAUS, Trans. Am. Ent. Soc., xxi, 223, 1894 (of this genus?). Ariz., Mex.
 1755. *atristrigatus* SMITH, Proc. U. S. Nat. Mus., xxii, 460, 1900. Tex.
 1756. *profundus* SMITH, Can. Ent., xxxii, 218, 1900. Man.
 1757. *obscurus* SMITH, Can. Ent., xxxii, 218, 1900. Alberta.

UFEUS Grote.

GROTE, Bull. Buff. Soc., i, 101, 1873.

- *1758. *sagittarius* GROTE, Pap., iii, 31, 1883; SMITH, C. 190. Cal.
 1759. *plicatus* GROTE, Bull. Buff. Soc., i, 102, 1873; SMITH, C. 190. No. Atl. States, Col., Cal.
 syn. *barometricus* GOOSSENS, Le Nat., iii, 380, 1881.
 1760. *unicolor* GROTE, Bull. Geol. Surv. Terr., iv, 179, 1878; SMITH, C. 190. Ill., Col.
 *1761. *faunus* STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898. N. Mex.
 1762. *satyricus* GROTE, Bull. Buff. Soc., i, 101, 1873; SMITH, C. 191. No. Atl. States.

AGROTIPHILA Grote.

GROTE, Ann. Lyc. Nat. Hist. N. Y., xi, 107, 1875.

1763. *alaskæ* GROTE, Bull. Buff. Soc., iii, 84, 1876; SMITH, C. 110. Alaska.
 1764. *incognita* SMITH, Trans. Am. Ent. Soc., xxi, 52, 1894. B. C.
 *1765. *staudingeri* MÖSCHLER, Wien. ent. Mon., vi, 132, 1862; SMITH, C. 110. Lab., N. H., Col.
 syn. *montana* MORRISON.
 1766. *rigida* SMITH, Trans. Am. Ent. Soc., xviii, 133, 1891; C. 110. Col.
 1767. *maculate* SMITH, Trans. Am. Ent. Soc., xxi, 53, 1894. B. C.
 1768. *colorado* SMITH, Trans. Am. Ent. Soc., xviii, 133, 1891; C. 110. Col.
 *1769. *velata* STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898. Tex.

PTEROSCIA Morrison.

MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 155, 1874.

- *1770. *atrata* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 156, 1874; SMITH, C. 191. N. H.

MAMESTRA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 76, 1816.

1771. *discalis* GROTE, Bull. Geol. Surv. Terr., iii, 797, 1877; SMITH, C. 114. Col., Cal., N. Mex.
1772. *rogenhoferi* MÖSCHLER, Stett. ent. Zeit., xxxi, 269, 1870; SMITH, C. 114. Lab.
1773. *nimbosa* GUENÉE, Spec. Gén., vi, 77, 1852; SMITH, C. 114. No. Atl. States.
1774. *imbrifera* GUENÉE, Spec. Gén., vi, 76, 1852; SMITH, C. 114. No. Atl. States.
1775. *purpurissata* GROTE, Proc. Ent. Soc. Phil., iii, 82, 1864; SMITH, C. 114. No. Atl. States.
1776. *juncimacula* SMITH, Bull. Brook. Ent. Soc., v, 67, 1882; C. 114. Col.
1777. *insolens* GROTE, Bull. Buff. Soc., ii, 65, 1874; SMITH, C. 115. Cal.
syn. *arictis* GROTE, *carina* MORRISON.
1778. *leucogramma* GROTE, Bull. Buff. Soc., i, 140, 1873; SMITH, C. 115. Cal.
1779. *lepidula* SMITH, Proc. U. S. Nat. Mus., x, 463, 1887; C. 115. Tex.
1780. *determinata* SMITH, Proc. U. S. Nat. Mus., xiv, 209, 1891; C. 115. Col.
1781. *meditata* GROTE, Bull. Buff. Soc., i, 104, 1873; SMITH, C. 115. Atl. States.
1782. *lustralis* GROTE, Can. Ent., vii, 223, 1875; SMITH, C. 115. Atl. States, Col., Ariz.
syn. *suffusa* SMITH, Proc. U. S. Nat. Mus., x, 474, 1887; C. 203.
1783. *detracta* WALKER, Cat. Brit. Mus., xi, 733, 1857; SMITH, C. 116. Atl. States, N. Mex.
syn. *claviplena* GROTE.
1784. *gnata* GROTE, Can. Ent., xiv, 170, 1882; SMITH, C. 116. Ariz., N. Mex.
1785. *distincta* HÜBNER, Samml. exot. Schmett., i, 1810; SMITH, C. 116. Atl. States, Col.
syn. *vitis* FRENCH.
1786. *crotchii* GROTE, Bull. Brook. Ent. Soc., iii, 29, 1880; SMITH, C. 116. Col., Oreg., Cal.
a. fusculeuta SMITH, Proc. U. S. Nat. Mus., xiv, 213, 1891.
1787. *farnhami* GROTE, Bull. Buff. Soc., i, 103, 1873; SMITH, C. 116. Col.

1788. *liquida* GROTE, Pap., i, 58, 1881; SMITH, C. 116. Wash.,
Oreg., Cal.
1789. *capsularis* GUENÉE, Spec. Gén., vi, 22, 1852; Atl. States,
SMITH, C. 117. Col.
- syn. *propulsa* WALKER.
- *1790. *vittula* GROTE, Trans. Kans. Acad. Sci., viii, 48, N. Mex.
1882; SMITH, C. 117.
1791. *prodeniformis* SMITH, Proc. U. S. Nat. Mus., ix, Ariz.,
464, 1887; C. 117. N. Mex.
1792. *atlantica* GROTE, Bull. Buff. Soc., ii, 12, 1874; Atl.
SMITH, C. 117. States.
- syn. *discolor* SPEYER.
1793. *radix* WALKER, Cat. Brit. Mus., x, 332, 1856; No. U. S.,
SMITH, C. 117. Cal.
- syn. *dimmocki* GROTE, *desperata* SMITH.
- *1794. *canadensis* SMITH, Proc. U. S. Nat. Mus., x, 464, New
1887; C. 118. Bruns.
- *1795. *nevadæ* GROTE, Bull. Buff. Soc., iii, 84, 1876; Cal.
SMITH, C. 118.
1796. *subjuncta* GROTE & ROBINSON, Trans. Am. Ent. Atl. States,
Soc., ii, 198, 1868; SMITH, C. 118. Col.
1797. *gussata* SMITH, Ent. News, vi, 337, 1895. Alberta.
1798. *ingravis* SMITH, Ent. News, vi, 337, 1895; ix, 250, Alberta.
1898.
1799. *invalida* SMITH, Proc. U. S. Nat. Mus., xiv, 225, Pac. States,
1891; C. 119. Col.
1800. *grandis* BOISDUVAL, Guenée, Ind. Méth., 120, No. U. S.
1840; SMITH, C. 118.
- syn. *libera* WALKER.
1801. *trifolii* ROTTEMBURG, Naturf., ix, 131, 1776; U. S.,
SMITH, C. 119. Eur.
- syn. *chenopodii* FABRICIUS, *albifusa* WALKER,
glaucovaria WALKER, *major* SPEYER.
- a. *oregonica* GROTE, Can. Ent., xiii, 230, 1881.
1802. *u-scripta* SMITH, Proc. U. S. Nat. Mus., xiv, 228, Cal.,
1891; C. 119. Col.
1803. *rosea* HARVEY, Bull. Buff. Soc., ii, 119, 1874; No. U. S.
SMITH, C. 120.
1804. *larissa* SMITH, Ent. News, vi, 338, 1895. Alberta.
1805. *congermana* MORRISON, Can. Ent., vi, 106, 1874; No. Atl.
SMITH, C. 120. States, Col.
- *1806. *rubefacta* MORRISON, Can. Ent., vi, 249, 1874; No. Atl.
SMITH, C. 120. States.

1807. *picta* HARRIS, Rep. Ins. Mass., 329, 1847; SMITH, C. 120. Atl. States, Col.
syn. *causta* GUENÉE, *contraria* WALKER.
1808. *cristifera* WALKER, Cat. Brit. Mus., xv, 1654, 1858; SMITH, C. 121. No. U. S.
syn. *lubens* GROTE.
1809. *assimilis* MORRISON, Bull. Buff. Soc., ii, 119, 1874; SMITH, C. 121. No. Atl. States.
a. pulverulenta SMITH, Proc. U. S. Nat. Mus., x, 468, 1887.
1810. *latex* GUENÉE, Spec. Gén., vi, 78, 1852; SMITH, C. 121. No. Atl. States.
syn. *demissa* WALKER.
- *1811. *passa* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 139, 1874; SMITH, C. 122. Cal.
1812. *adjuncta* BOISDUVAL, Guenée, Ind. Méth., 243, 1841; SMITH, C. 122. No. Atl. States.
1813. *variolata* SMITH, Proc. U. S. Nat. Mus., x, 467, 1887; C. 122. Wash.
- *1814. *glaciata* GROTE, Can. Ent., xiv, 170, 1882; SMITH, C. 122. Ariz., Col.
1815. *minorata* SMITH, Proc. U. S. Nat. Mus., x, 467, 1887; C. 122. Cal., Col.
- *1816. *defessa* GROTE, Can. Ent., xii, 88, 1880; SMITH, C. 122. Cal.
1817. *chartaria* GROTE, Bull. Buff. Soc., i, 138, 1873; SMITH, C. 122. Cal., Wash., Col.
- *1818. *repentina* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 118, 1875; SMITH, C. 122. N. J.
- *1819. *brachiolum* HARVEY, Can. Ent., viii, 6, 1876; SMITH, C. 122. Tex., Ariz.
- *1820. *beanii* GROTE, Can. Ent., ix, 87, 1877; SMITH, C. 122. Ill., Tex., Col.
1821. *rugosa* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 119, 1875; SMITH, C. 122. Me.
1822. *ligitima* GROTE, Proc. Ent. Soc. Phil., iii, 82, 1864; SMITH, C. 122. No. U. S.
1823. *lilacina* HARVEY, Bull. Buff. Soc., ii, 119, 1874; SMITH, C. 122. No. Atl. States, Col., N. Mex.
syn. *illabefacta* MORRISON.
1824. *noverca* GROTE, Can. Ent., x, 236, 1878; SMITH, C. 124. Cal., Col., Ariz., Neb.

1825. *goodellii* GROTE, Can. Ent., vii, 223, 1875; SMITH, C. 124. No. Atl. States.
1826. *quadrata* SMITH, Proc. U. S. Nat. Mus., xiv, 248, 1891; C. 124. Cal.
1827. *obscura* SMITH, Proc. U. S. Nat. Mus., x, 468, 1891; C. 124. Wis.
1828. *ectypa* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 118, 1875; SMITH, C. 124. N. J., W. Va.
syn. *bella* GROTE.
1829. *renigera* STEPHENS, Ill. Brit. Ent., Haust., ii, 16, 1829; SMITH, C. 124. No. Atl. States, Col., Eur.
syn. *herbimacula* GUENÉE, *infecta* WALKER.
1830. *stricta* WALKER, Cat. Brit. Mus., xxxiii, 728, 1865; SMITH, C. 125. Pac. States.
syn. *ferrea* GROTE.
a. cinnabarina GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 241, 1874.
- *1831. *spiculosa* GROTE, Can. Ent., xvi, 28, 1883; SMITH, C. 125. Ariz.
1832. *olivacea* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 143, 1874; SMITH, C. 125. No. U. S.
a. obscurior SMITH, Proc. U. S. Nat. Mus., x, 465, 1887.
b. comis GROTE, Bull. Geol. Surv. Terr., iii, 85, 1877.
syn. *davena* SMITH, Trans. Am. Ent. Soc., xxvii, 237, 1901; *lucina* SMITH, Trans. Am. Ent. Soc., xxvii, 236, 1901; *altua* SMITH, Trans. Am. Ent. Soc., xxvii, 236, 1901; *megarena* SMITH, Trans. Am. Ent. Soc., xxvii, 236, 1901; *petita* SMITH, Trans. Am. Ent. Soc., xxvii, 239, 1901.
c. rectilinea SMITH, Proc. U. S. Nat. Mus., x, 465, 1887; C. 125.
syn. *circumcincta* SMITH, Proc. U. S. Nat. Mus., xiv, 253, 1891; C. 125; *obnigra* SMITH, Trans. Am. Ent. Soc., xxvii, 238, 1901.
- *1833. *vau-media* SMITH, Proc. U. S. Nat. Mus., x, 466, 1887; C. 126. Col.
- *1834. *incurva* SMITH, Proc. U. S. Nat. Mus., x, 466, 1887; C. 126. Col., Ariz., N. Mex.
1835. *quadrilineata* GROTE, Bull. Buff. Soc., i, 140, 1873; SMITH, C. 126. Ariz., Cal.
1836. *marinitincta* HARVEY, Bull. Buff. Soc., ii, 273, 1875; SMITH, C. 126. Tex.

1837. **laudabilis** GUENÉE, Spec. Gén., vi, 30, 1852; SMITH, C. 126.
syn. *indicans* WALKER, *strigicollis* WALLEN-
GREN.
a. illaudabilis GROTE, Can. Ent., vii, 27, 1875. So. Atl.
States,
Col., Cal.
1838. **albogutta** GROTE, Bull. Buff. Soc., iii, 85, 1877; SMITH, C. 126. N. Mex.,
Oreg., Cal.
1839. **cuneata** GROTE, Bull. Buff. Soc., i, 139, 1873; SMITH, C. 127. Pac. States,
N. Y.
- *1840. **sutrina** GROTE, Pap., i, 5, 1881; SMITH, C. 127; Ent. News, ix, 230, 1898. Col.
1841. **quadrannulata** MORRISON, Proc. Acad. Nat. Sci. Phil., 430, 1875; SMITH, C. 127. Neb.,
Tex., Col.
1842. **lorea** GUENÉE, Spec. Gén., v, 126, 1852; SMITH, C. 127. Atl.
States, Col.
- syn. *ligata* WALKER, *dodgei* GROTE.
1843. **erecta** WALKER, Cat. Brit. Mus., x, 264, 1856; SMITH, C. 127. Tex.
- syn. *constipata* WALKER, *innera* GROTE.
1844. **longiclava** SMITH, Proc. U. S. Nat. Mus., xiv, 265, 1891; C. 128. Col.
1845. **anguina** GROTE, Can. Ent., xiii, 129, 1881; SMITH, C. 128. No. Atl.
States, Col.
1846. **languida** SMITH, Trans. Am. Ent. Soc., xxi, 54, 1894. Col.
1847. **hadeniformis** SMITH, Trans. Am. Ent. Soc., xxi, 55, 1894. Col.
1848. **fuscolutea** SMITH, Trans. Am. Ent. Soc., xxi, 55, 1894. Col.
1849. **segregata** SMITH, Trans. Am. Ent. Soc., xxi, 56, 1894. B. C.
1850. **vicina** GROTE, Bull. Buff. Soc., ii, 156, 1874; SMITH, C. 128. Atl.
States, Cal.
- syn. *teligera* MORRISON, *acutipennis* GROTE.
1851. **pensilis** GROTE, Proc. Acad. Nat. Sci. Phil., 199, 1874; SMITH, C. 128. Pac.
States, Col.
- *1852. **impolita** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 140, 1874; SMITH, C. 129. Can.
1853. **plicata** SMITH, Ent. News, ix, 243, 1898. Col.
- *1854. **ferrealis** GROTE, Can. Ent., xv, 29, 1883; SMITH, C. 128. Mont.

- *1855. *subdita* MÖSCHLER, Wien. ent. Mon., iv, 363, 1860; SMITH, C. 129. Lab.
1856. *cervina* SMITH, Ent. News, ix, 247, 1898. Man.
1857. *neoterica* SMITH, Ent. News, ix, 244, 1898. Man.
1858. *nugatis* SMITH, Ent. News, ix, 240, 1898. Mont., Neb.
1859. *mystica* SMITH, Ent. News, ix, 242, 1898. Man.
1860. *intentata* SMITH, Ent. News, ix, 245, 1898. Col.
1861. *ectrapela* SMITH, Ent. News, ix, 249, 1898. B. C.
- *1862. *doira* STRECKER, Lep. Rhop. Het., suppl. 1, 7, 1898. Utah.
1863. *griseata* SMITH, Proc. U. S. Nat. Mus., xxii, 467, 1900. Col.
1864. *senatoria* SMITH, Proc. U. S. Nat. Mus., xxii, 461, 1900. Ariz.
1865. *dilatata* SMITH, Proc. U. S. Nat. Mus., xxii, 464, 1900. N. Mex.
1866. *yakima* SMITH, Proc. U. S. Nat. Mus., xxii, 464, 1900. Wash.
1867. *roseosuffusa* SMITH, Proc. U. S. Nat. Mus., xxii, 466, 1900. Ariz.
1868. *rainierii* SMITH, Proc. U. S. Nat. Mus., xxii, 462, 1900. Wash.
1869. *florida* SMITH, Proc. U. S. Nat. Mus., xxii, 465, 1900. Fla.
1870. *bolteri* SMITH, Proc. U. S. Nat. Mus., xxii, 463, 1900. N. Mex.
1871. *mutilata* SMITH, Ent. News, ix, 246, 1898. B. C.
- *1872. *selana* STRECKER, Lep. Rhop. Het., suppl. 1, 7, 1898. Tex.
- *1873. *mania* STRECKER, Lep. Rhop. Het., suppl. 2, 5, 1899. Col.
- *1874. *tacoma* STRECKER, Lep. Rhop. Het., suppl. 3, 31, 1900. Wash.
1875. *nævia* SMITH, Ent. News, ix, 248, 1898. Col.
1876. *negussa* SMITH, Can. Ent., xxxii, 219, 1900. Alberta.
- *1877. *circumvadis* SMITH, Jn. N. Y. Ent. Soc., x, 42, 1902. Alberta.
- *1878. *vau-orbicularis* SMITH, Jn. N. Y. Ent. Soc., x, 42, 1902. Oreg.

ADMETOVIS Grote.

GROTE, Bull. Buff. Soc., i, 133, 1873.

1879. **oxymorus** GROTE, Bull. Buff. Soc., i, 133, 1873; Cal.,
SMITH, C. 113. Col.
1880. **similis** BARNES. Cal., Col.

BARATHRA Hübner.

HÜBNER, Verz. bek. Schmett., 218, 1816; *Copinamestra* GROTE.

1881. **occidentata** GROTE, Ann. Mag. Nat. Hist. (5), xi, N. Mex.
53, 1883; SMITH, C. 113.
1882. **curialis** SMITH, Proc. U. S. Nat. Mus., x, 470, Me.,
1887; C. 113. N. H.

NEURONIA Hübner.

HÜBNER, Verz. bek. Schmett., 215, 1816.

1883. **americana** SMITH, Trans. Am. Ent. Soc., xxi, 59, Mont.
1894.

DARGIDA Walker.

WALKER, Cat. Brit. Mus., ix, 201, 1856; *Eupsephopæctes* GROTE.

1884. **procinctus** GROTE, Bull. Buff. Soc., i, 138, 1873; Cal., Oreg.,
SMITH, C. 170. Col.

MORRISONIA Grote.

GROTE, Bull. Buff. Soc., ii, 53, 1874; SMITH, Proc. U. S. Nat. Mus., xv, 64, 1892.

1885. **sectilis** GUENÉE, Spec. Gén., v, 141, 1852; SMITH, No. Atl.
C. 232. States.
- syn. *evicta* GROTE.
- a. vomerina* GROTE, Bull. Buff. Soc., i, 84, 1873.
- *1886. **infidelis** GROTE, Can. Ent., xi, 206, 1879; SMITH, Mich.
C. 232.
1887. **rileyana** SMITH, Ent. Amer., vi, 212, 1890; C. Mo.,
231. Tex.
1888. **bisulca** GROTE, Can. Ent., xiii, 230, 1881; SMITH, Ariz.
C. 232.
1889. **mucens** HÜBNER, Verz. bek. Schmett., 243, 1816; Atl.
SMITH, C. 231. States.
- syn. *spoliata* WALKER.
1890. **confusa** HÜBNER, Verz. bek. Schmett., 243, 1816; Atl.
SMITH, C. 232. States.
- syn. *infructuosa* WALKER, *multifaria* WALKER.

XYLOMIGES Guenée.

GUENÉE, Spec. Gén., v, 147, 1852.

1891. **hiemalis** GROTE, Bull. Buff. Soc., ii, 71, 1874; Cal.
SMITH, C. 233.
syn. *californica* BEHR.
1892. **simplex** WALKER, Cat. Brit. Mus., xxxii, 618, Pac. States,
1865; SMITH, C. 233. Col.
syn. *crucialis* HARVEY.
1893. **curialis** GROTE, Bull. Buff. Soc., i, 143, 1873; Cal.
SMITH, C. 233.
1894. **dolosa** GROTE, Can. Ent., xii, 88, 1880; SMITH, C. No. Atl.
234. States, Col.
1895. **rubrica** HARVEY, Can. Ent., x, 58, 1878; SMITH, Cal.,
C. 234. Oreg.
1896. **perlubens** GROTE, Can. Ent., xiii, 132, 1881; Pac. States,
SMITH, C. 234. Col.
syn. *subapicalis* SMITH.
- *1897. **pulchella** SMITH, Trans. Am. Ent. Soc., xxi, 81, B. C.
1894.
1898. **ochracea** RILEY, Proc. U. S. Nat. Mus., xv, 74, Cal.
1892; SMITH, C. 234.
1899. **candida** SMITH, Trans. Am. Ent. Soc., xxi, 79, B. C.
1898.
1900. **patalis** GROTE, Bull. Buff. Soc., i, 144, 1873; Pac.
SMITH, C. 234. States.
syn. *fletcheri* GROTE.
1901. **cognata** SMITH, Trans. Am. Ent. Soc., xxi, 78, B. C., Oreg.,
1894. Col.
- *1902. **peritalis** SMITH, Proc. U. S. Nat. Mus., xv, 68, Col.,
1892; C. 233. Oreg.
1903. **indurata** SMITH, Trans. Am. Ent. Soc., xxi, 80, Col.
1894.
1904. **pallidior** SMITH, Jn. N. Y. Ent. Soc., vii, 227, B. C.
1899.
- *1905. **tabulata** GROTE, Bull. Geol. Surv. Terr., iv, 181, N. Y.
1878; SMITH, C. 234.

SCOTOGRAMMA Smith.

SMITH, Proc. U. S. Nat. Mus., x, 469, 1887.

1906. **submarina** GROTE, Can. Ent., xv, 4, 1883; SMITH, Ariz., Mont.,
C. 129. Oreg.

1907. *densa* SMITH, Ins. Life, v, 329, 1893. Cal., Col.
a. megæra SMITH, Jn. N. Y. Ent. Soc., vii, 44,
 1899.
1908. *infuscata* SMITH, Jn. N. Y. Ent. Soc., vii, 42, 1899. Col.
1909. *discolor* SMITH, Jn. N. Y. Ent. Soc., vii, 42, 1899. Col.
1910. *uniformis* SMITH, Trans. Am. Ent. Soc., xxi, 58,
 1894. B. C.
1911. *luteola* SMITH, Trans. Am. Ent. Soc., xxi, 57, 1894. B. C.
1912. *perplexa* SMITH, Proc. U. S. Nat. Mus., x, 469,
 1887; C. 129. Col.
1913. *inconcinna* SMITH, Proc. U. S. Nat. Mus., x, 469,
 1887; C. 130. Col.
1914. *umbrosa* SMITH, Proc. U. S. Nat. Mus., x, 470,
 1887; C. 130. Col.,
 Ariz.
1915. *phoca* MÖSCHLER, Wien. ent. Mon., viii, 197,
 1864; SMITH, C. 129. Lab.,
 Col.
syn. promulsa MORRISON.
1916. *sedilis* SMITH, Jn. N. Y. Ent. Soc., vii, 43, 1899. Col.
- *1917. *stretchii* HY. EDWARDS, Can. Ent., xix, 146,
 1887; SMITH, C. 130. Ariz.
1918. *conjugata* SMITH, Jn. N. Y. Ent. Soc., vii, 41,
 1899. Col.

ULOLONCHE Smith.

SMITH, Proc. U. S. Nat. Mus., x, 471, 1887.

- *1919. *niveiguttata* GROTE, Bull. Buff. Soc., i, 140, 1873;
 SMITH, C. 130. Cal.,
 Ariz.
1920. *orbiculata* SMITH, Proc. U. S. Nat. Mus., xiv, 266,
 1891; C. 131. Col.
1921. *modesta* MORRISON, Proc. Bost. Soc. Nat. Hist.,
 xvii, 114, 1874; SMITH, C. 130. Atl.
 States.
1922. *fasciata* SMITH, Proc. U. S. Nat. Mus., x, 471,
 1887; C. 130. N. Mex.
1923. *disticha* MORRISON, Proc. Bost. Soc. Nat. Hist.,
 xvii, 217, 1874; SMITH, C. 130. Tex.
1924. *dilecta* HY. EDWARDS, Pap., iv, 123, 1884; SMITH,
 C. 154. Col.,
 Ariz.

ANARTA Ochseneheimer.

OCHSENEHEIMER, Schmett. Eur., iv, 90, 1816.

1925. *etacta* SMITH, Proc. Wash. Acad. Sci., ii, 493,
 1900. Alaska.

- *1926. *mimula* GROTE, Trans. Kans. Acad. Sci., viii, N. Mex.
48, 1883; SMITH, C. 295.
- *1927. *mimuli* BEHR. Bull. Cal. Acad. Sci., 62, 1885; Cal.
SMITH, C. 295.
- *1928. *funebri* HÜBNER, Schmiett. Eur., Noct., f. 433, Lab.
1804; SMITH, C. 295.
1929. *acadiensis* BETHUNE, Trans. Nov. Sc. Ins. Nat. Nova
Sci., ii, 84, 1869; SMITH, C. 292. Scotia.
1930. *cordigera* THUNBERG, Mus. Nat. Acad. Ups., Can., Lab.,
Diss., vi, 72, 1788; SMITH, C. 292. Col.
syn. *luteola* GROTE & ROBINSON.
1931. *melanopa* THUNBERG, Diss. Ent., ii, 42, 1791; Arctic Am.,
SMITH, C. 292. Col.
syn. *nigrolunata* PACKARD.
1932. *melaleuca* THUNBERG, Diss. Ent., ii, 42, 1791; Lab.
SMITH, C. 292.
syn. *bicycla* PACKARD.
1933. *quadrilunata* GROTE, Proc. Bost. Soc. Nat. Hist., Col.
xvi, 244, 1874; SMITH, C. 293.
1934. *schöenherri* ZETTERSTEDT, Ins. Lap., 950, 1840; Lab.,
SMITH, C. 293. Greenl.
syn. *leucoicycla* STAUDINGER.
1935. *richardsoni* CURTIS, Ross Narr. Second Voy. Lab.,
N.-W. Pass., app. 72, 1834; SMITH, C. 293. Alaska.
a. lanuginosa SMITH, Proc. Wash. Acad. Sci., ii,
492, 1900.
- *1936. *impingens* WALKER, Cat. Brit. Mus., xi, 700, Col.
1857; SMITH, C. 294.
syn. *nivaria* GROTE, *curta* MORRISON, *perpura*
MORRISON.
- *1937. *secedens* WALKER, Cat. Brit. Mus., xii, 913, 1857; Can.
SMITH, C. 294.
- *1938. *membranacea* MORRISON, Ann. N. Y. Lyc. Nat. N. H.
Hist., xi, 101, 1875; SMITH, C. 294.
- *1939. *lapponica* THUNBERG, Diss. Ent., ii, 42, 1792; Lab.,
SMITH, C. 294. Greenl.
syn. *amissa* LEFÈBRE.
- *1940. *kelloggi* HY. EDWARDS, Proc. Cal. Acad. Sci., Cal.
vi, 133, 1875; SMITH, C. 295.
1941. *zetterstedti* STAUDINGER, Stett. ent. Zeit., 294, Lab.,
1857; SMITH, C. 295. Lapl.
- *1942. *quieta* HÜBNER, Schmiett. Eur., Noct., 485, 1805; Arctic
SMITH, C. 295. Am.
syn. *constricta* WALKER, *rigida* WALKER.

TRICHOOLEA Grote.

GROTE, Pap., iii, 30, 1883; SMITH, C. 209.

1943. *edwardsii* SMITH, Proc. U. S. Nat. Mus., x, 478, Cal.
1887; C. 209.
1944. *decepta* GROTE, Pap., iii, 30, 1883; SMITH, C. 209. Ariz.
1945. *postica* SMITH, Trans. Am. Ent. Soc., xviii, 115, Cal.,
1891; C. 209. Col.
- a. antica* SMITH, Trans. Am. Ent. Soc., xviii, 116,
1891; C. 209.

TRICHOPOLIA Grote.

GROTE, Pap., iii, 76, 1883.

1946. *serrata* SMITH, Proc. U. S. Nat. Mus., xxii, 479, Tex.
1900.
- *1947. *dentatella* GROTE, Pap., iii, 76, 1883; SMITH, Ariz.
C. 164.
1948. *ptilodonta* GROTE, Pap., iii, 77, 1883; SMITH, Ariz.
C. 164.

EUPOLIA Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 69, 1894.

1949. *licentiosa* SMITH, Trans. Am. Ent. Soc., xxi, 70, Utah.
1894.

NEPHELODES Guenée.

GUENÉE, Spec. Gén., v, 130, 1852.

1950. *minians* GUENÉE, Spec. Gén., v, 130, 1852; Atl.
SMITH, C. 172. States.
- syn. *expansa* WALKER, *sobria* WALKER.
- a. violans* GUENÉE, Spec. Gén., v, 130, 1852.
- syn. *subdolens* WALKER.
1951. *pectinatus* SMITH, Can. Ent., xxxii, 221, 1900. B. C.

HELIOPHILA Hübner.

HÜBNER, Tent., 1806; *Leucania* OCHSENHEIMER, Schmett. Eur., iv, 81, 1816; SMITH,
Proc. U. S. Nat. Mus., xxv, 159, 1902.

- *1952. *lutina* SMITH, Proc. U. S. Nat. Mus., xxv, 176, Fla.
1902.
- syn. *velutina* SMITH (not EVERSMANN), Proc.
U. S. Nat. Mus., xxii, 480, 1900.
1953. *unipuncta* HAWORTH, Lep. Brit., ii, 177, 1810; Atl.
SMITH, C. 189. States.
- syn. *extranea* GUENÉE.

1954. *pseudargyria* GUENÉE, Spec. Gén., v, 74, 1852; SMITH, C. 189. Atl. States.
a. callida GROTE, New Check List, 30, 1882.
- *1955. *pilipalpis* GROTE, Proc. Bost. Soc. Nat. Hist., xviii, 415, 1875; SMITH, C. 189. Fla.
1956. *subpunctata* HARVEY, Bull. Buff. Soc., iii, 8, 1875; SMITH, C. 189. Tex., N. Mex.
 syn. *complicata* STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898.
1957. *luteopallens* SMITH, Proc. U. S. Nat. Mus., xxv, 180, 1902. Atl. States.
1958. *minorata* SMITH, Trans. Am. Ent. Soc., xxi, 75, 1894. Cal., Oreg.
1959. *oxygale* GROTE, Can. Ent., xiii, 14, 1881; SMITH, C. 185. Col.
1960. *rubripallens* SMITH, Proc. U. S. Nat. Mus., xxv, 182, 1902. Col., Utah.
- *1961. *pertracta* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 120, 1875; SMITH, C. 186. Pa.
1962. *rubripennis* GROTE & ROBINSON, Trans. Am. Ent. Soc., iii, 179, 1870; SMITH, C. 186. So. States.
1963. *albilinea* HÜBNER, Samml. exot. Schmett., f. 337, 1816; SMITH, C. 186. Atl. States.
 syn. *harveyi* GROTE.
1964. *obscurior* SMITH, Proc. U. S. Nat. Mus., xxv, 185, 1902. Man.
1965. *diffusa* WALKER, Cat. Brit. Mus., ix, 94, 1856; SMITH, C. 186. Atl. States.
 syn. *moderata* WALKER.
- *1966. *limitata* SMITH, Proc. U. S. Nat. Mus., xxv, 187, 1902. Tex.
1967. *tetra* SMITH, Proc. U. S. Nat. Mus., xxv, 187, 1902. Ariz.
1968. *neptis* SMITH, Proc. U. S. Nat. Mus., xxv, 188, 1902. Col.
1969. *ligata* GROTE, Trans. Am. Ent. Soc., v, 115, 1875; SMITH, C. 187. Tex., Col., Fla.
- *1970. *flabilis* GROTE, Can. Ent., xiii, 15, 1881; SMITH, C. 189. N. Y.
1971. *rimosa* GROTE, Can. Ent., xiv, 216, 1882; SMITH, C. 189. Me.
1972. *dia* GROTE, Can. Ent., xi, 29, 1879; SMITH, C. 187. Cal.

1973. *megadia* SMITH, Proc. U. S. Nat. Mus., xxv, 191, 1902. Pac. States, Ariz.
1974. *heterodoxa* SMITH, Trans. Am. Ent. Soc., xxi, 75, 1894. Cal., B. C., Minn.
1975. *insueta* GUENÉE, Spec. Gén., v, 81, 1852; SMITH, C. 188. Atl. States, Col.
syn. *adonca* GROTE, *mimica* STRECKER, Lep. Rhop. Het., suppl. 2, 6, 1899.
1976. *extincta* GUENÉE, Spec. Gén., v, 79, 1852; SMITH, C. 187. Atl. States.
syn. *linita* GUENÉE, *scirpicola* GUENÉE, *amygdalina* HARVEY.
1977. *juncicola* GUENÉE, Spec. Gén., v, 83, 1852; SMITH, C. 188. Ala., Tex.
syn. *adjuta* GROTE.
1978. *multilinea* WALKER, Cat. Brit. Mus., ix, 97, 1856; SMITH, C. 187. Atl. States.
syn. *lapidaria* GROTE.
1979. *commoides* GUENÉE, Spec. Gén., v, 86, 1852; SMITH, C. 188. Atl. States, Col.
1980. *phragmitidicola* GUENÉE, Spec. Gén., v, 89, 1852; SMITH, C. 187. Atl. States, Col.
a. texana MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 211, 1874.
1981. *imperfecta* SMITH, Trans. Am. Ent. Soc., xxi, 76, 1894. Ariz.
1982. *anteroclara* SMITH, Proc. U. S. Nat. Mus., xxv, 200, 1902. Alberta.
1983. *calgariana* SMITH, Proc. U. S. Nat. Mus., xxv, 201, 1902. Alberta.
- *1984. *stolata* SMITH, Trans. Am. Ent. Soc., xxi, 76, 1894. Ariz.
- *1985. *oregona* SMITH, Proc. U. S. Nat. Mus., xxv, 202, 1902. Oreg.
1986. *roseola* SMITH, Trans. Am. Ent. Soc., xxi, 75, 1894. B. C.
1987. *farcta* GROTE, Can. Ent., xiii, 15, 1881; SMITH, C. 188. Cal.
1988. *palliseca* SMITH, Proc. U. S. Nat. Mus., xxv, 203, 1902. Cal., Col.

NELEUCANIA Smith.

SMITH, Proc. U. S. Nat. Mus., xxv, 203, 1902.

1989. *niveicosta* SMITH, Proc. U. S. Nat. Mus., xxv, 205, 1902. Col.

1990. *bicolorata* GROTE, Pap., i, 154, 1881; SMITH, C. 186. Ariz., Col.
1991. *citronella* SMITH, Proc. U. S. Nat. Mus., xxv, 206, 1902. Col.
1992. *patricia* GROTE, Bull. Brook. Ent. Soc., iii, 46, 1880; SMITH, C. 186. Col., N. Mex.
- *1993. *prægracilis* GROTE, Bull. Geol. Surv. Terr., iii, 119, 1877; SMITH, C. 185. Rocky Mts.

ZOSTEROPODA Grote.

GROTE, Bull. Buff. Soc., ii, 67, 1874.

1994. *hirtipes* GROTE, Bull. Buff. Soc., ii, 68, 1874; SMITH, C. 190. Cal.

TRICHORTHOSIA Grote.

GROTE, Pap., iii, 31, 1883.

- *1995. *parallela* GROTE, Pap., iii, 31, 1883; SMITH, C. 210. N. Mex.

ORTHODES Guenée.

GUENÉE, Spec. Gén., v, 371, 1852.

1996. *crenulata* BUTLER, Ann. Mag. Nat. Hist., (6), vi, 97, 1890; SMITH, C. 198. Atl. States.
1997. *cynica* GUENÉE, Spec. Gén., v, 375, 1852; SMITH, C. 190. Atl. States, Col.
syn. *candens* GUENÉE, *tecta* WALKER.
1998. *vecors* GUENÉE, Spec. Gén., v, 376, 1852; SMITH, C. 199. Atl. States.
syn. *enervis* GUENÉE, *nimia* GUENÉE, *togata* WALKER, *relata* WALKER, *prodeuns* WALKER, *griseocincta* HARVEY, *nitens* GROTE.
1999. *virgula* GROTE, Pap., iii, 76, 1883; SMITH, C. 200. Ariz., Col.
2000. *irrorata* SMITH, Proc. U. S. Nat. Mus., x, 478, 1887; C. 200. Wash., B. C.
2001. *puerilis* GROTE, Bull. Buff. Soc., ii, 64, 1874; SMITH, C. 200. Cal.
- *2002. *agrotiformis* GROTE, Can. Ent., xiii, 14, 1881; SMITH, C. 200. Col.
- *2003. *calceolarius* STRECKER, Lep. Rhop. Het., suppl. 3, 33, 1900. N. Y.
- *2004. *imora* STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. Wis.

- *2005. *akalus* STRECKER, Lep. Rhop. Het., suppl. 2, 6, Col.
1899.

HIMELLA Grote.

GROTE, Proc. Acad. Nat. Sci. Phil., 200, 1874; SMITH, C. 200.

2006. *contrahens* WALKER, Can. Nat. Geol., v, 255, No. Atl.
1860; SMITH, C. 200. States, Col.,
syn. *thecata* MORRISON. N. Mex.
2007. *intractata* MORRISON, Proc. Bost. Soc. Nat. Hist., Atl.
xvii, 160, 1874; SMITH, C. 201. States.
- syn. *fidelis* GROTE.
- *2008. *conar* STRECKER, Lep. Rhop. Het., suppl. 1, 7, N. Mex.,
1898. Utah, Ariz.
- syn. *quadristigma* SMITH, Proc. U. S. Nat.
Mus., xxii, 480, 1900.

CROCIGRAPHA Grote.

GROTE, Can. Ent., vii, 57, 1875; SMITH, C. 201.

2009. *normani* GROTE, Can. Ent., vi, 115, 1874; SMITH, No. Atl.
C. 201. States.

GRAPHIPHORA Hübner.

HÜBNER, Tent., 1806; *Teniocampa* GUENÉE, Ann. Soc. Ent. Fr., viii, 477, 1839.

2010. *carminata* SMITH, Ent. Amer., vi, 121, 1890; C. Col.
202.
2011. *trifascia* SMITH, Trans. Am. Ent. Soc., xviii, 118, Col.
1891; C. 202.
2012. *culea* GUENÉE, Spec. Gén., v, 404, 1852; SMITH, Atl.
C. 202. States.
- syn. *modifica* MORRISON.
2013. *consopita* GROTE, Pap., i, 154, 1881; SMITH, C. Ariz.
202.
2014. *rufula* GROTE, Bull. Buff. Soc., ii, 64, 1874; Cal.,
SMITH, C. 203. Col.
2015. *oviducta* GUENÉE, Spec. Gén., v, 357, 1852; Atl.
SMITH, C. 203. States.
- syn. *capsella* GROTE, *orobia* HARVEY.
2016. *utahensis* SMITH, Proc. U. S. Nat. Mus., x, 473, Utah.
1887; C. 203.
2017. *curtica* SMITH, Ent. Amer., vi, 122, 1890; C. 203. Cal.
2017. 1. *suffusa* SMITH, Proc. U. S. Nat. Mus., x, 174, Col.,
1887; C. 203. Ariz.

2018. *incincta* MORRISON, Proc. Bost. Soc. Nat. Hist., Mass., Ill.,
xvii, 133, 156, 1874; SMITH, C. 203. Col.
2019. *pectinata* SMITH, Proc. U. S. Nat. Mus., x, 475, Cal.
1887; C. 204.
2020. *annulimacula* SMITH, Trans. Am. Ent. Soc., xviii, Tex.
117, 1891; C. 204.
2021. *uniformis* SMITH, Proc. U. S. Nat. Mus., x, 472, Ariz.
1887; C. 202.
2022. *palilis* HARVEY, Bull. Buff. Soc., ii, 273, 1875; Tex.
SMITH, C. 202.
2023. *columbia* SMITH, Proc. U. S. Nat. Mus., x, 472, B. C.
1887; C. 202.
2024. *furfurata* GROTE, Proc. Acad. Nat. Sci. Phil., 201, U. S.
1874; SMITH, C. 201.
2025. *perbrunnea* GROTE, Can. Ent., xi, 28, 1879; Cal.
SMITH, C. 202.
2026. *peredia* GROTE, Pap., iii, 32, 1883; SMITH, C. No. Atl.
201. States.
- *2027. *perforata* GROTE, Pap., iii, 73, 1883; SMITH, C. Ariz.
203.
- *2028. *obtusa* SMITH, Proc. U. S. Nat. Mus., x, 474, Ariz.
1887; C. 204.
- *2029. *terminata* SMITH, Proc. U. S. Nat. Mus., x, 475, So.
1887; C. 204. Cal.
2030. *reliqua* SMITH, Jn. N. Y. Ent. Soc., vii, 226, 1899. Col.
- *2031. *præses* GROTE, Bull. Geol. Surv. Terr., v, 202, Cal.
1879; SMITH, C. 206.
- *2032. *revicta* MORRISON, Proc. Bost. Soc. Nat. Hist., Ill.
xviii, 241, 1875; SMITH, C. 206.
2033. *ferrigera* SMITH, Trans. Am. Ent. Soc., xxi, 78, B. C.,
1894. Oreg.
2034. *flaviannula* SMITH, Jn. N. Y. Ent. Soc., vii, 225, Col.
1899.
- *2035. *saturnus* STRECKER, Lep. Rhop. Het., suppl. 3, Wis.
31, 1900.
- *2036. *subfuscula* GROTE, Proc. Bost. Soc. Nat. Hist., Oreg.,
xvi, 244, 1873; SMITH, C. 204. Mont.
- *2037. *arthrolita* HARVEY, Bull. Buff. Soc., ii, 275, 1874; Cal.
SMITH, C. 204.
2038. *vindemialis* GUENÉE, Spec. Gén., v, 344, 1852; Fla.?
SMITH, C. 205.

2039. *pacifica* HARVEY, Bull. Buff. Soc., ii, 120, 1874; SMITH, C. 205. Col., Cal.
2040. *alia* GUENÉE, Spec. Gén., v, 352, 1852; SMITH, C. 205. Atl. States.
syn. instabilis FITCH, *insciens* WALKER.
a. hibisci GUENÉE, Spec. Gén., v, 355, 1852.
syn. confluentis MORRISON.
- *2041. *alurina* SMITH, Jn. N. Y. Ent. Soc., x, 47, 1902. Atl. States.
2042. *rubescens* WALKER, Cat. Brit. Mus., xxxii, 671, 1865; SMITH, C. 206. No. Atl. States.
syn. venata SMITH.
2043. *subterminata* SMITH, Proc. U. S. Nat. Mus., x, 476, 1887; C. 206. No. Atl. States.
- *2044. *garmani* GROTE, Can. Ent., xi, 28, 1879; SMITH, C. 206. Ill., Iowa.
- *2045. *styracis* GUENÉE, Spec. Gén., v, 357, 1852; SMITH, C. 206. Ga.
- *2046. *planalis* GROTE, Ann. Mag. Nat. Hist., (5), xi, 53, 1883; SMITH, C. 206. N. Mex.

STRETCHIA Hy. Edwards.

HY. EDWARDS, Proc. Cal. Acad. Sci., v, 267, 1874; *Acerra* GROTE.

2047. *normalis* GROTE, Bull. Buff. Soc., ii, 162, 1874; SMITH, C. 207. Cal.
2048. *plusiiformis* HY. EDWARDS, Proc. Cal. Acad. Sci., v, 267, 1874; SMITH, C. 208. Cal., Col., Nev., Oreg.
syn. muricina GROTE, Bull. Buff. Soc., iii, 85, 1875; *inferior* SMITH, Proc. U. S. Nat. Mus., x, 477, 1887.
2049. *behrensiana* GROTE, Can. Ent., vii, 71, 1875; SMITH, C. 208. Cal.
2050. *variabilis* SMITH, Trans. Am. Ent. Soc., xviii, 119, 1891; C. 208. Col.
2051. *addenda* SMITH, Ent. Amer., vi, 122, 1890; C. 208; Jn. N. Y. Ent. Soc., vii, 225, 1899. Cal.
- *2052. *pulchella* HARVEY, Can. Ent., viii, 54, 1876; SMITH, C. 208; Jn. N. Y. Ent. Soc., vii, 225, 1899. Cal.
2053. *erythrolita* GROTE, Can. Ent., xi, 208, 1879; SMITH, C. 208. Cal.
2054. *transparens* GROTE, Bull. Geol. Surv. Terr., vi, 583, 1881; SMITH, C. 208. Wash., Cal.
syn. hamifera GROTE, Can. Ent., xx, 130, 1888; SMITH, C. 218.

2055. **mys** DYAR (fore wings dark purple-brown, slightly hoary, unspotted; hind wings whitish, rosy tinged at the edges). Cal.

PERIGONICA Smith.

SMITH, Ent. Amer., vi, 123, 1890.

2056. **angulata** SMITH, Ent. Amer., vi, 124, 1890; C. 209. Cal.
2057. **tertia** DYAR (markings of *angulata*, antennæ of *fulminans*). Cal., Oreg.
2058. **fulminans** SMITH, Ent. Amer., vi, 124, 1890; C. 209. Col.

PERIGRAPHA Lederer.

LEDERER, Noct. Eur., 136, 1857.

- *2059. **prima** SMITH, Trans. Am. Ent. Soc., xviii, 119, 1891; C. 209. Cal.

TRICHOLITA Grote.

GROTE, Bull. Buff. Soc., ii, 211, 215, 1875.

2060. **signata** WALKER, Can. Nat. Geol., v, 253, 1860; SMITH, C. 172. No. Atl. States.
syn. *semiaperta* MORRISON.
2061. **fistula** HARVEY, Can. Ent., x, 56, 1878; SMITH, C. 173. Cal., Ariz., Col.
2062. **inconspicua** GROTE, Can. Ent., xv, 129, 1883; SMITH, C. 173. Ariz.
- *2063. **notata** STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898. Neb.
- *2064. **syrissa** STRECKER, Lep. Rhop. Het., suppl. 2, 6, 1899. Ill.

COBALIODES Dyar.

Cobalos SMITH (not *Cobalus* HÜBNER), Jn. N. Y. Ent. Soc., vii, 223, 1899.

2065. **franciscanus** SMITH, Jn. N. Y. Ent. Soc., vii, 224, 1899. Cal.
2066. **angelicus** SMITH, Jn. N. Y. Ent. Soc., vii, 223, 1899. Cal.

CLEOCERIS Boisduval.

BOISDUVAL, Ind. Méth., 93, 1829.

2067. **populi** STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. Col.

- *2068. *onychina* GUENÉE, Spec. Gén., vi, 48, 1852; No. Am.
SMITH, C. 215.
2069. *elda* FRENCH, Can. Ent., xix, 5, 1887; SMITH, Cal.
C. 215.
2070. *rectifascia* SMITH, Trans. Am. Ent. Soc., xviii, Cal.
109, 1891; C. 215.
2071. *curvifascia* SMITH, Trans. Am. Ent. Soc., xviii, Cal.
109, 1891; C. 215.

APOROPHILA Guenée.

GUENÉE, Ind. Méth., Ann. Soc. Ent. Fr., x, 246, 1841.

- *2072. *yosemitæ* GROTE, Bull. Buff. Soc., i, 113, 1873; Cal.
SMITH, C. 163.

PLEROMA Smith.

SMITH, Trans. Am. Ent. Soc., xviii, 114, 1891.

2073. *obliquata* SMITH, Trans. Am. Ent. Soc., xviii, Col.,
114, 1891; C. 235. Cal.
2074. *bonuscula* SMITH, Can. Ent., xxx, 325, 1898. Col.
- *2075. *conserta* GROTE, Pap., i, 58, 1881; SMITH, C. 235. Wash.
- *2076. *apposita* SMITH, Trans. Am. Ent. Soc., xxi, 81, B. C.
1894.

LITHOMOIA Hübner.

HÜBNER, Verz. bek. Schmett., 244, 1816.

2077. *germana* MORRISON, Bull. Buff. Soc., ii, 192, No. Atl.
1874; SMITH, C. 235. States.

XYLINA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 85, 1816; SMITH, Trans. Am. Ent. Soc., xxvii,
1, 1900; *Lithophane* HÜBNER, Verz. bek. Schmett., 242, 1816.

2078. *disposita* MORRISON, Bull. Buff. Soc., ii, 116, No. Atl.
1874; SMITH, C. 227. States.
2079. *petulca* GROTE, Sixth Rept. Peab. Acad. Sci., 31, No. Atl.
1874; SMITH, C. 227. States.
2080. *contenta* GROTE, Can. Ent., xii, 216, 1880; SMITH, Cal.,
C. 224. Wash.
- syn. *pomona* SMITH, Jn. N. Y. Ent. Soc., vii,
230, 1899.
2081. *puella* SMITH, Trans. Am. Ent. Soc., xxvii, 30, Cal.
1900.
- *2082. *dentilinea* SMITH, Jn. N. Y. Ent. Soc., vii, 229, Ariz.,
1899. Col.



2083. *longior* SMITH, Jn. N. Y. Ent. Soc., vii, 230, 1899. Col.
2084. *torrida* SMITH, Jn. N. Y. Ent. Soc., vii, 228, 1899. Pac. States.
2085. *itata* SMITH, Jn. N. Y. Ent. Soc., vii, 231, 1899. Col.
- *2086. *hemina* GROTE, Bull. Geol. Surv. Terr., v, 202, 1879; SMITH, C. 227. No. Atl. States.
- *2087. *gausapata* GROTE, Pap., iii, 77, 1883; SMITH, C. 227. Cal.
2088. *dilatocula* SMITH, Trans. Am. Ent. Soc., xxvii, 42, 1900. Wash., Cal.
- *2089. *patefacta* WALKER, Cat. Brit. Mus., xiv, 1733, 1858; SMITH, C. 231. Can.
2090. *antennata* WALKER, Cat. Brit. Mus., xiv, 1733, 1858; SMITH, C. 228. Atl. States.
• syn. *cinerea* RILEY.
2091. *laticinerea* GROTE, Bull. Buff. Soc., ii, 27, 1874; SMITH, C. 229. Atl. States.
2092. *grotei* RILEY, Pap., ii, 102, 1882; SMITH, C. 229. Atl. States.
syn. *cinerosa* GROTE (not GUENÉE).
a. winnipeg SMITH, Trans. Am. Ent. Soc., xxvii, 31, 1900.
2093. *ferrealis* GROTE, Sixth Rept. Peab. Acad. Sci., 32, 1874; SMITH, C. 227. Atl. States.
2094. *signosa* WALKER, Cat. Brit. Mus., xi, 627, 1857; SMITH, C. 227. No. Atl. States.
2095. *innominata* SMITH, C. 227. No. Atl. States, Col.
2096. *amanda* SMITH, Trans. Am. Ent. Soc., xxvii, 24, 1900. No. U. S.
2097. *bethunei* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 354, 1868; SMITH, C. 227. No. Atl. States.
2098. *oriunda* GROTE, Bull. Buff. Soc., ii, 160, 1874; SMITH, C. 224. Can., Wis.
2099. *semiusta* GROTE, Sixth Rept. Peab. Acad. Sci., 24, 1874; SMITH, C. 228. No. Atl. States.
2100. *fagina* MORRISON, Bull. Buff. Soc., ii, 115, 1874; SMITH, C. 228. Mass., N. Y.
- *2101. *oregonensis* HARVEY, Can. Ent., viii, 55, 1876; SMITH, C. 228. Oreg., Cal., Col.
2102. *georgii* GROTE, Can. Ent., vii, 88, 1875; SMITH, C. 228. No. Atl. States.

2103. *holocinerea* SMITH, Trans. Am. Ent. Soc., xxvii, 28, 1900. Pac. States.
2104. *emarginata* SMITH, Trans. Am. Ent. Soc., xxvii, 28, 1900. Col.
- *2105. *viridipallens* GROTE, Can. Ent., ix, 215, 1877; SMITH, C. 229. Mass., N. Y.
2106. *unimoda* LINTNER, Ent. Cont., iv, 96, 1878; SMITH, C. 229. No. Atl. States.
2107. *tepida* GROTE, Bull. Buff. Soc., ii, 27, 1874; SMITH, C. 229. No. Atl. States.
2108. *baileyi* GROTE, Can. Ent., ix, 86, 1877; SMITH, C. 229. N. Y.
2109. *querquera* GROTE, Sixth Rept. Peab. Acad. Sci., 34, 1874; SMITH, C. 229. Mo., N. Y.
2110. *lepida* LINTNER, Ent. Cont., iv, 95, 1878; SMITH, C. 230. No. Atl. States.
2111. *thaxteri* GROTE, Bull. Buff. Soc., ii, 196, 1874; SMITH, C. 230. No. Atl. States.
2112. *pexata* GROTE, Sixth Rept. Peab. Acad. Sci., 35, 1874; SMITH, C. 230. No. Atl. States, Wash.
a. washingtonia GROTE, Pap., iii, 74, 1883.
2113. *capax* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 355, 1868; SMITH, C. 230. No. Atl. States, Col.

EUHARVEYA Grote.

GROTE, Can. Ent., xxvi, 81, 1894.

2114. *carbonaria* HARVEY, Can. Ent., viii, 55, 1876; SMITH, C. 230. Oreg., Cal., Col.

LITHOLOMIA Grote.

GROTE, Can. Ent., vii, 206, 1875.

2115. *napæa* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 152, 1874; SMITH, C. 226. No. Atl. States, Col., Cal.
2116. *dunbari* HARVEY, Can. Ent., viii, 52, 1876; SMITH, C. 226. B. C.

CALOCAMPA Stephens.

STEPHENS, Ill. Brit. Ent. Haust., ii, 174, 1829.

2117. *brucei* SMITH, Ent. News, iii, 252, 1892; Trans. Am. Ent. Soc., xxi, 82, 1894. Col.
2118. *nupera* LINTNER, Bull. Buff. Soc., ii, 188, 1874; SMITH, C. 235. Atl. States.

2119. *thoracica* PUTNAM-CRAMER, Ent. Amer., ii, 142, No.
1886; SMITH, C. 236. U. S.
2120. *cineritia* GROTE, Proc. Acad. Nat. Sci. Phil., 210, No. Atl.
1874; SMITH, C. 236. States.
2121. *curvimacula* MORRISON, Bull. Buff. Soc., ii, 191, No.
1874; SMITH, C. 236. U. S.
- *2121.1. *brillians* OTTOLENGUI, Jn. N. Y. Ent. Soc., x, Me.,
78, 1902. N. H.

CUCULLIA Schrank.

SCHRANK, Faun. Boica, ii, 157, 1802.

2122. *convexipennis* GROTE & ROBINSON, Trans. Am. Atl.
Ent. Soc., ii, 201, 1868; SMITH, C. 236. States.
2123. *montanæ* GROTE, Can. Ent., xv, 178, 1882; SMITH, Col.,
C. 237. Mont.
2124. *similaris* SMITH, Proc. U. S. Nat. Mus., xv, 40, Col.
1892; C. 237.
2125. *obscurior* SMITH, Proc. U. S. Nat. Mus., xv, 40, Col.
1892; C. 237.
2126. *postera* GUENÉE, Spec. Gén., vi, 133, 1852; Atl.
SMITH, C. 237. States.
2127. *asteroides* GUENÉE, Spec. Gén., vi, 133, 1852; Atl.
SMITH, C. 237. States.
2128. *florea* GUENÉE, Spec. Gén., vi, 133, 1852; SMITH, Atl.
C. 237. States.
2129. *lætifica* LINTNER, Grote, Check List Noct., 24, Tex.,
1875; SMITH, C. 237. Ariz.
- syn. cita* GROTE, *hartmanni* FRENCH.
2130. *dorsalis* SMITH, Proc. U. S. Nat. Mus., xv, 46, Col.
1892; C. 238.
2131. *speyeri* LINTNER, Ent. Cont., iii, 168, 1874; Col.
SMITH, C. 238.
2132. *intermedia* SPEYER, Stett. ent. Zeit., xxxi, 400, Atl.
1870; SMITH, C. 238. States.
2133. *cinderella* SMITH, Proc. U. S. Nat. Mus., xv, 48, Col.
1892; C. 238.
2134. *serraticornis* LINTNER, Ent. Cont., iii, 174, 1874; Cal.
SMITH, C. 238.
2135. *bistriga* SMITH, Proc. U. S. Nat. Mus., xv, 47, Col.
1892; C. 238.
2136. *albida* SMITH, Trans. Am. Ent. Soc., xxi, 84, Col.
1894.

COPICUCULLIA Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 84, 1894.

- *2137. *eulepis* GROTE, Bull. Buff. Soc., iii, 86, 1875; Oreg.,
SMITH, C. 236. Cal.
2138. *antipoda* STRECKER, Lep. Rhop. Het., 129, 1875; Col.,
SMITH, C. 236. Ariz.
- *2139. *alfarata* STRECKER, Lep. Rhop. Het., suppl. 1, Fla.
9, 1898.
2140. *astigma* SMITH, Trans. Am. Ent. Soc., xxi, 85, Col.
1894.
2141. *propinqua* SMITH, Trans. Am. Ent. Soc., xxi, 85, Col.
1894.

RANCORA Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 83, 1894.

2142. *solidaginis* BEHR, Strecker, Lep. Rhop. Het., 94, Cal.,
1874; SMITH, C. 239. B. C.
syn. *strigata* SMITH, Trans. Am. Ent. Soc.,
xxi, 83, 1894.
- *2143. *matricaria* BEHR, Strecker, Lep. Rhop. Het., 94, Cal.
1874.

LATHOSEA Grote.

GROTE, Bull. Geol. Surv. Terr., vi, 270, 1882.

2144. *pullata* GROTE, Bull. Geol. Surv. Terr., vi, 270, Oreg.,
1882; SMITH, C. 163. Col.
2145. *ursina* SMITH, Can. Ent., xxxi, 324, 1898. Col.

ASTEROSCOPIUS Boisduval.

BOISDUVAL, Ind. Méth., 59, 1829.

2146. *borealis* SMITH, Can. Ent., xxxi, 25, 1899. Man.

BELLURA Walker.

WALKER, Cat. Brit. Mus., xxxii, 465, 1865; *Arzama* WALKER.

2147. *gortynides* WALKER, Cat. Brit. Mus., xxxii, 465, Atl.
1865; SMITH, C. 181. States.
syn. *densa* WALKER, *vulnifica* GROTE, *melano-*
pyga GROTE.
2148. *diffusa* GROTE, Bull. Geol. Surv. Terr., iv, 179, Can.,
1878; SMITH, C. 181. Me.

SPHIDA Grote.

GROTE, Bull. Geol. Surv. Terr., iv, 179, 1878.

2149. *obliqua* WALKER, Cat. Brit. Mus., xxxii, 428, 1865; SMITH, C. 181. Atl. States.
syn. *obliquata* GROTE & ROBINSON.

NONAGRIA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 82, 1816.

2150. *permagna* GROTE, Pap., iii, 73, 1883; SMITH, C. 182. Fla.
2151. *subflava* GROTE, Pap., ii, 95, 1882; SMITH, C. 182. Ill., Mass., Me.
*2152. *oblonga* GROTE, Pap., ii, 96, 1882; SMITH, C. 182. Me.
2153. *subcarnea* KELLICOTT, Can. Ent., xv, 175, 1883; SMITH, C. 182. N. Y.
*2154. *læta* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 120, 1875; SMITH, C. 182. N. J.
*2155. *inquinata* GUENÉE, Spec. Gén., v, 104, 1852; SMITH, C. 183. N. Y.

OMMATOSTOLA Grote.

GROTE, Bull. Buff. Soc., ii, 112, 1873.

2156. *lintneri* GROTE, Bull. Buff. Soc., ii, 112, 1873; SMITH, C. 185. N. Y., N. J.
2157. *popofensis* SMITH, Proc. Wash. Acad. Sci., ii, 492, 1900. Alaska.

ACHATODES Guenée.

GUENÉE, Spec. Gén., v, 132, 1852.

2158. *zeæ* HARRIS, Ins. Inj. Veg., 319, 1841; SMITH, C. 179. No. Atl. States.

GORTYNA Ochsenheimer.

OCHSENHEIMER, Schmett., Eur., iv, 82, 1816.

2159. *albilunata* SMITH, Trans. Am. Ent. Soc., xxvi, 14, 1899. Cal.
syn. *lunata* SMITH (not FREYER), Trans. Am. Ent. Soc., xviii, 110, 1891.
*2160. *u-album* GUENÉE, Spec. Gén., v, 345, 1852; SMITH, C. 174; Trans. Am. Ent. Soc., xxvi, 15, 1899. No. Atl. States.
syn. *purpuripennis* GROTE, *baliola* MORRISON.

2161. *velata* WALKER, Cat. Brit. Mus., xxxii, 671, 1865; SMITH, C. 174; Trans. Am. Ent. Soc., xxvi, 20, 1899. Atl. States.
syn. *sera* GROTE & ROBINSON.
2162. *nictitans* BORKHAUSEN, Naturg. Europ. Schmett., iv, 463, 1792; SMITH, C. 174. Atl. States.
syn. *erythrostigma* HAWORTH, *lucens* FREYER.
a. americana SPEYER, Stett. ent. Zeit., xxxvi, 152, 1875. Cal.
syn. *atlantica* SMITH, Trans. Am. Ent. Soc., xxvi, 18, 1899.
b. pacifica SMITH, Trans. Am. Ent. Soc., xxvi, 19, 1899.
c. interoceanica SMITH, Trans. Am. Ent. Soc., xxvi, 17, 1899.
- *2163. *erepta* GROTE, Bull. Geol. Surv. Terr., vi, 267, 1881; SMITH, C. 175. Kans.
2164. *juvenilis* GROTE, Bull. Geol. Surv. Terr., vi, 267, 1881; SMITH, C. 174; Trans. Am. Ent. Soc., xxvi, 20, 1899. Col., Kans.
2165. *immanis* GUENÉE, Spec. Gén., v, 128, 1852; SMITH, C. 175; Trans. Am. Ent. Soc., xxvi, 21, 1899. No. U. S.
- *2166. *stramentosa* GUENÉE, Spec. Gén., v, 129, 1852; SMITH, C. 175; Trans. Am. Ent. Soc., xxvi, 22, 1899. No. Atl. States.
2167. *obliqua* HARVEY, Can. Ent., viii, 53, 1876; SMITH, C. 175; Trans. Am. Ent. Soc., xxvi, 23, 1899. Atl. States.
2168. *medialis* SMITH, Trans. Am. Ent. Soc., xxi, 74, 1894; xxvi, 24, 1899. No. Pac. States, Col.
syn. *pallescens* SMITH, Trans. Am. Ent. Soc., xxvi, 25, 1899.
2169. *senilis* SMITH, Trans. Am. Ent. Soc., xxi, 73, 1894; xxvi, 25, 1899. Col.
2170. *serrata* GROTE, No. Am. Ent., i, 94, 1880; SMITH, C. 179; Trans. Am. Ent. Soc., xxvi, 26, 1899. Col.

PAPAPEMA Smith.

SMITH, Trans. Am. Ent. Soc., xxvi, 2, 1899.

2171. *cerina* GROTE, Proc. Acad. Nat. Sci. Phil., 200, 1874; SMITH, C. 176. Kans., Me.
2172. *inquæsitâ* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 344, 1868; SMITH, C. 176. No. Atl. States.
2173. *speciosissima* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 342, 1868; SMITH, C. 177; Trans. Am. Ent. Soc., xxvi, 29, 1899. No. Atl. States.

2174. *rigida* GROTE, Can. Ent., ix, 87, 1877; SMITH, C. 176. No. Atl. States.
2175. *harrisii* GROTE, Bull. Geol. Surv. Terr., vi, 268, 276, 1882; SMITH, C. 177. No. Atl. States.
2176. *verona* SMITH, Trans. Am. Ent. Soc., xxvi, 32, 1899. Man.
2177. *baptisiæ* BIRD, Can. Ent., xxxiv, 109, 1902. Atl. States.
2178. *purpurifascia* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 341, 1868; SMITH, C. 176. Atl. States.
2179. *nitela* GUENÉE, Spec. Gén., v, 124, 1852; SMITH, C. 178. Atl. States.
a. nebris GUENÉE, Spec. Gén., v, 124, 1852.
2180. *nelita* STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898; SMITH, Trans. Am. Ent. Soc., xxvi, 35, 1899. No. Atl. States.
syn. *ærata* LYMAN, Can. Ent., xxxiii, 319, 1901.
2181. *neopina* GROTE, Can. Ent., viii, 25, 1876; SMITH, C. 179. N. Y.
2182. *limpida* GUENÉE, Spec. Gén., v, 124, 1852; SMITH, C. 178. No. Atl. States.
2183. *cerussata* GROTE & ROBINSON, Proc. Ent. Soc. Phil., ii, 431, 1864; SMITH, C. 178. No. Atl. States.
2184. *frigida* SMITH, Trans. Am. Ent. Soc., xxvi, 39, 1899. Man.
2185. *unimoda* SMITH, Trans. Am. Ent. Soc., xxi, 73, 1894; xxvi, 39, 1899. Col.
2186. *angelica* SMITH, Trans. Am. Ent. Soc., xxvi, 40, 1899. Cal.
2187. *cataphracta* GROTE, Proc. Acad. Nat. Sci. Phil., 81, 1864; SMITH, C. 176. No. Atl. States.
2188. *impecuniosa* GROTE, Bull. Geol. Surv. Terr., vi, 267, 1882; SMITH, C. 176. Mass., N. Y.
2189. *circumlucens* SMITH, Trans. Am. Ent. Soc., xxvi, 43, 1899. Atl. States.
2189. 1. *duovata* BIRD, Can. Ent., xxxiv, 115, 1902. N. Y.
2190. *rutila* GUENÉE, Spec. Gén., v, 123, 1852; SMITH, C. 177. Atl. States.
- *2190. 1. *insulidens* BIRD, Can. Ent., xxxiv, 112, 1902. B. C.
2191. *appassionata* HARVEY, Can. Ent., viii, 155, 1876; SMITH, C. 178. Can.
2192. *marginidens* GUENÉE, Spec. Gén., v, 123, 1852; SMITH, C. 177. No. Atl. States.

2193. *furcata* SMITH, Trans. Am. Ent. Soc., xxvi, 46, 1899. Atl. States.
- *2194. *latia* STRECKER, Lep. Rhop. Het., suppl. 2, 6, 1899. Ill.

OCHRIA Hübner.

HÜBNER, Verz. bek. Schmett., 233, 1816.

2195. *sauzælitæ* GROTE, Bull. Buff. Soc., ii, 216, 1875; SMITH, C. 179. Cal.
- *2196. *buffaloensis* GROTE, Can. Ent., ix, 88, 1877; SMITH, C. 179. N. Y.

PYRRHIA Hübner.

HÜBNER, Verz. bek. Schmett., 262, 1816.

2197. *umbra* HÜFNAGEL, Berl. Mag., iii, 294, 1767; SMITH, C. 216. Atl. States. Col.
- a. exprimens* WALKER, Cat. Brit. Mus., xi, 687, 1857.
- syn. *angulata* GROTE.
- *2198. *stillia* GROTE, No. Am. Ent., i, 45, 1880; SMITH, C. 216. Rocky Mts.

XANTHIA Hübner.

HÜBNER, Tent., 1806.

2199. *flavago* FABRICIUS, Mant. Ins., 160, 1787; SMITH, C. 223. No. Atl. States, Eur.
- syn. *togata* ESPER, *silago* HÜBNER.
2200. *pulchella* SMITH, Can. Ent., xxxii, 223, 1900. B. C.
- *2201. *puta* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 347, 1868; SMITH, C. 223. No. Atl. States.

JODIA Hübner.

HÜBNER, Verz. bek. Schmett., 234, 1816.

2202. *rufago* HÜBNER, Zutr. exot. Schmett., f. 61, 1818; SMITH, C. 223. Atl. States.
- syn. *honestæ* WALKER.

BROTOLOMIA Lederer.

LEDERER, Noct. Eur., ii, 64, 1852; *Mesolomia* SMITH, C. 171.

2203. *iris* GUENÉE, Spec. Gén., vi, 64, 1852; SMITH, C. 171. No. Atl. States.

TRIGONOPHORA Hübner.

HÜBNER, Verz. bek. Schmett., 217, 1816.

2204. *periculosa* GUENÉE, Spec. Gén., vi, 65, 1852; No. Atl.
SMITH, C. 171. States, Col.
a. v-brunneum GROTE, Check List Noct., 23, 1875.

CONSERVULA Grote.

GROTE, Check List Noct., 11, 1875.

2205. *anodonta* GUENÉE, Spec. Gén., vi, 63, 1852; SMITH, No. Atl.
C. 170. States.

EUCIRRÆDIA Grote.

GROTE, Can. Ent., vii, 206, 1875.

2206. *pampina* GUENÉE, Spec. Gén., v, 402, 1852; SMITH, No. Atl.
C. 224. States.

SCOLIOPTERYX Germar.

GERMAR, Syst. Gloss. Prod., 14, 1812.

2207. *libatrix* LINNÆUS, Syst. Nat., 507, 1758; SMITH, U. S.,
C. 224. Eur.

CHÆPHORA Grote & Robinson.

GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 199, 1868.

2208. *fungorum* GROTE & ROBINSON, Trans. Am. Ent. Atl.
Soc., ii, 220, 1868; SMITH, C. 211. States.

PSEUDORTHOSIA Grote.

GROTE, Bull. Buff. Soc., ii, 161, 1874.

2209. *variabilis* GROTE, Bull. Buff. Soc., ii, 161, 1874; Cal.,
SMITH, C. 211. Col.

PSEUDOGLÆA Grote.

GROTE, Can. Ent., viii, 18, 1876.

- *2210. *blanda* GROTE, Bull. Buff. Soc., iii, 86, 1875; Pac. States,
SMITH, C. 210. Col., Tex.
syn. tæduta GROTE, *decepta* GROTE.

ANCHOCELIS Guenée.

GUENÉE, Ann. Soc. Ent. Fr., viii, 483, 1839.

2211. *digitalis* GROTE, Bull. Geol. Surv. Terr., vi, 584, No. Atl.
1882; SMITH, C. 215. States.

SELICANIS Smith.

SMITH, Proc. U. S. Nat. Mus., xxii, 481, 1900.

2212. *cinereola* SMITH, Proc. U. S. Nat. Mus., xxii, 481, 1900. Col.

TAPINOSTOLA Lederer.

LEDERER, Noct. Eur., 123, 1857.

2213. *orientalis* GROTE, Bull. Geol. Surv. Terr., vi, 583, 1882; SMITH, C. 184. No. Atl. States.
- *2214. *variana* MORRISON, Proc. Acad. Nat. Sci. Phil., 432, 1875; SMITH, C. 184. Mich.

FAGITANA Walker.

WALKER, Cat. Brit. Mus., xxxii, 645, 1865; *Pseudolimacodes* GROTE.

- *2215. *obliqua* SMITH, Jn. N. Y. Ent. Soc., viii, 174, 1900. Fla.
2216. *littera* GUENÉE, Spec. Gén., v, 71, 1852; SMITH, C. 356. Atl. States.
syn. *lucidata* WALKER, *niveicostatus* GROTE.

COSMIA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 84, 1816; *Euargia* HÜBNER, Verz. bek. Schmett., 235, 1816.

2217. *paleacea* ESPER, Schmett. Eur., pl. 122, f. 504, 1788; SMITH, C. 214. U. S., Eur.
syn. *discolor* WALKER, *infumata* GROTE.
2218. *punctirena* SMITH, Can. Ent., xxxii, 222, 1900. Col.

ORTHOSIA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 79, 1816.

2219. *purpurea* GROTE, Bull. Buff. Soc., ii, 125, 1874; SMITH, C. 217. Cal.
a. crispa HARVEY, Bull. Buff. Soc., ii, 276, 1875.
- *2220. *decipiens* GROTE, Bull. Geol. Surv. Terr., vi, 269, 1881; SMITH, C. 217. Ind.
2221. *ralla* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 346, 1868; SMITH, C. 217. Atl. States.
2222. *bicolorago* GUENÉE, Spec. Gén., v, 397, 1852; SMITH, C. 218. Atl. States.
syn. *spurcata* WALKER.
a. ferruginoides GUENÉE, Spec. Gén., v, 389, 1852.
2223. *euroa* GROTE & ROBINSON, Trans. Am. Ent. Soc., iv, 431, 1873; SMITH, C. 218. Atl. States. Col.

2224. **inops** GROTE, Bull. Geol. Surv. Terr., vi, 270, 1881; SMITH, C. 218. Me.
2225. **aurantiago** GUENÉE, Spec. Gén., v, 394, 1852; SMITH, C. 219. Atl. States.
syn. *illiterata* GROTE, *differta* MORRISON, *illinoisensis* FRENCH.
- *2226. **americana** MORRISON, Proc. Acad. Nat. Sci. Phil., 434, 1875; SMITH, C. 219. N. Y.
- *2227. **posticata** HARVEY, Bull. Buff. Soc., iii, 8, 1875; SMITH, C. 219. Tex.
- *2228. **citima** GROTE, Pap., iii, 74, 1883; SMITH, C. 219. Ariz.
2229. **conradi** GROTE, Bull. Geol. Surv. Terr., v, 203, 1879; SMITH, C. 219. Atl. States.
2230. **helva** GROTE, Bull. Buff. Soc., ii, 310, 1875; SMITH, C. 219. Atl. States, Col.
2231. **lutosa** ANDREWS, Can. Ent., ix, 99, 1877; SMITH, C. 220. Atl. States, Ariz.
- *2232. **belangeri** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 149, 1874; SMITH, C. 220. Can.
- *2233. **immaculata** MORRISON, Proc. Acad. Nat. Sci. Phil., xvii, 149, 1874; SMITH, C. 220. Nev.
- *2234. **chlorophora** HÜBNER, Samml. exot. Schmett., i, 1806; SMITH, C. 220. So. States.

PARASTICHTIS Hübner.

HÜBNER, Verz. bek. Schmett., 212, 1816.

2235. **discivaria** WALKER, Cat. Brit. Mus., ix, 27, 1856; SMITH, C. 217. No. Atl. States.
syn. *gentilis* GROTE.
a. perbellis GROTE, Bull. Buff. Soc., ii, 144, 1874.

SCOPELOSOMA Curtis.

CURTIS, Brit. Ins., xiv, 635, 1838.

2236. **indirecta** WALKER, Cat. Brit. Mus., x, 468, 1857; SMITH, C. 225. No. Atl. States.
syn. *grafiana* GROTE.
2237. **moffatiana** GROTE, Bull. Geol. Surv. Terr., vi, 538, 1882; SMITH, C. 225. No. Atl. States.
2238. **pettiti** GROTE, Can. Ent., vii, 188, 1875; SMITH, C. 225. No. Atl. States.
2239. **ceromatica** GROTE, Bull. Buff. Soc., ii, 70, 1874; SMITH, C. 225. No. Atl. States.

2240. *tristigmata* GROTE, Can. Ent., ix, 156, 1877; SMITH, C. 225. No. Atl. States.
2241. *walkeri* GROTE, Proc. Ent. Soc. Phil., ii, 439, 1864; SMITH, C. 225. Atl. States.
2242. *sidus* GUENÉE, Spec. Gén., v, 386, 1852; SMITH, C. 226. Atl. States.
syn. *vinulenta* GROTE.
2243. *morrisoni* GROTE, Bull. Buff. Soc., ii, 70, 1874; SMITH, C. 226. No. Atl. States.
2244. *devia* GROTE, Proc. Acad. Nat. Sci. Phil., 209, 1874; SMITH, C. 226. No. Atl. States.
- ORRHODIA Hübner
- HÜBNER, Verz. bek. Schmett., 231, 1816.
2245. *californica* SMITH, Trans. Am. Ent. Soc., xviii, 113, 1891; C. 223. Cal.
- GLÆA Hübner.
- HÜBNER, Tent., 1806.
2246. *viatica* GROTE, Sixth Rept. Peab. Acad. Sci., 29, 1874; SMITH, C. 221. Atl. States.
2247. *inulta* GROTE, Sixth Rept. Peab. Acad. Sci., 30, 1874; SMITH, C. 221. Atl. States.
2248. *olivata* HARVEY, Bull. Buff. Soc., ii, 120, 1874; SMITH, C. 221. Cal.
2249. *sericea* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 151, 1874; SMITH, C. 222. Atl. States.
- *2250. *signata* FRENCH, Can. Ent., xi, 76, 1879; SMITH, C. 221. Atl. States.
- EPIGLÆA Grote.
- GROTE, Bull. Geol. Surv. Terr., iv, 181, 1878.
2251. *pastillicans* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 151, 1874; SMITH, C. 222. No. Atl. States.
2252. *tremula* HARVEY, Bull. Buff. Soc., ii, 276, 1874; SMITH, C. 222. Tex.
- *2253. *venustula* GROTE, Can. Ent., vii, 84, 1875; SMITH, C. 222. Md.
2254. *apiata* GROTE, Sixth Rept. Peab. Acad. Sci., 30, 1874; SMITH, C. 222. No. Atl. States.
2255. *decliva* GROTE, Sixth Rept. Peab. Acad. Sci., 30, 1874; SMITH, C. 222. Atl. States.
syn. *deleta* GROTE.

HOMOGLÆA Morrison.

MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 240, 1875.

2256. *hircina* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 240, 1875; SMITH, C. 220. No. Atl. States.
2257. *carnosa* GROTE, Can. Ent., ix, 21, 70, 1877; SMITH, C. 220. No. Atl. States.

MESOGONA Boisduval.

BOISDUVAL, Guenée, Ind. Méth., 144, 1840.

- *2258. *oxalina* HÜBNER, Samml. eur. Schmett., iv, 219, 1823; SMITH, C. 211. N. Y. ?
Eur.
syn. *intexta* HARVEY.

CALYMNIA Hübner.

HÜBNER, Verz. bek. Schmett., 235, 1816.

2259. *orina* GUENÉE, Spec. Gén., vi, 10, 1852; SMITH, C. 212. U. S.
syn. *canescens* BEHR, Bull. Cal. Acad. Sci., iii, 61, 1885; SMITH, C. 214.
a. calami HARVEY, Can. Ent., viii, 54, 1876.

ZOTHECA Grote.

GROTE, Bull. Buff. Soc., ii, 68, 1874.

2260. *tranquilla* GROTE, Bull. Buff. Soc., ii, 69, 1874; SMITH, C. 212. Cal.
syn. *sambuci* BEHR.
a. viridula GROTE, Bull. Geol. Surv. Terr., iv, 180, 1878.

IPIMORPHA Hübner.

HÜBNER, Verz. bek. Schmett., 238, 1816.

2261. *pleonectusa* GROTE, Bull. Buff. Soc., i, 191, 1873; SMITH, C. 212. Atl. States. Col., Utah.
syn. *aquilinea* SMITH.
- *2262. *subvexa* GROTE, Can. Ent., viii, 189, 1876; SMITH, C. 212. Tex., Col.

TRILEUCA Grote.

GROTE, Proc. Am. Phil. Soc., xxi, 166, 1883.

- *2263. *buxea* GROTE, Can. Ent., xiii, 230, 1882; SMITH, C. 213. Tex.
- *2264. *dentalis* SMITH, Trans. Am. Ent. Soc., xviii, 123, 1891; C. 213. Tex.

- *2265. *gulgare* STRECKER, Proc. Dav. Acad. Sci., ii, 274, 1878; SMITH, C. 213. Pa., Ill.

ATETHMIA Hübner.

HÜBNER, Verz. bek. Schmett., 238, 1816.

2266. *subusta* HÜBNER, Zutr. exot. Schmett., ii, 205, 1818; SMITH, C. 213. Fla., Tex., So. Am.
2267. *rectifascia* GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 242, 1874; SMITH, C. 214. Atl. States.
- *2268. *inusta* GUENÉE, Spec. Gén., vi, 12, 1852; SMITH, C. 214. Fla., Tex.

TRICHOCOSMIA Grote.

GROTE, Can. Ent., xv, 6, 1883.

2269. *inornata* GROTE, Can. Ent., xv, 6, 1883; SMITH, C. 210. Ariz.

CEA Grote.

GROTE, Pap., iii, 78, 1883.

- *2270. *immaculata* GROTE, Pap., iii, 87, 1883; SMITH, C. 214. Ariz.

TRISTYLA Smith.

SMITH, Ins. Life, v, 332, 1893.

2271. *alboplagiata* SMITH, Ins. Life, v, 332, 1893. Cal.

ANTAPLAGA Grote.

GROTE, Can. Ent., ix, 71, 1877.

2272. *dimidiata* GROTE, Can. Ent., ix, 71, 1877; SMITH, C. 265. Col.

- *2273. *sexseriata* GROTE, Pap., i, 176, 1882; SMITH, C. 265. Ariz.

- *2274. *biundulata* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 502, 1872; SMITH, C. 265. Tex.

- *2275. *composita* HY. EDWARDS, Pap., iv, 44, 1884; SMITH, C. 266. Ariz.

- *2276. *thoracica* HY. EDWARDS, Pap., iv, 44, 1884; SMITH, C. 265. Ariz.

2277. *koebelei* RILEY, Ins. Life, v, 333, 1893. Cal.

GROTELLA Harvey.

HARVEY, Bull. Buff. Soc., ii, 278, 1874.

2278. *septempunctata* HARVEY, Bull. Buff. Soc., ii, 278, 1874; SMITH, C. 266. Tex., Col.

2279. *dis* GROTE, Ann. Mag. Nat. Hist., (5). XI, 55 N. Mex.,
1883; SMITH, C. 266. Ariz.

PIPPONA Harvey.

HARVEY, Bull. Buff. Soc., iii, 9, 1875.

2280. *bimatrix* HARVEY, Bull. Buff. Soc., iii, 10, 1875; Tex.
SMITH, C. 266.

BESSULA Grote.

GROTE, Pap., i, 176, 1881.

- *2281. *luxa* GROTE Pap., i, 176, 1881; SMITH, C. 266. N. Mex.,
Col.

OXYCNEMIS Grote.

GROTE, Can. Ent., xiv, 182, 1882.

2282. *perfundis* SMITH, Trans. Am. Ent. Soc., xxi, 87, Tex.
1894.

- *2283. *advena* GROTE, Can. Ent., xiv, 182, 1882; SMITH, Ariz.
C. 267.

2284. *sectilis* SMITH, Trans. Am. Ent. Soc., xxi, 86, Tex.
1894.

- *2285. *nivalis* SMITH, Trans. Am. Ent. Soc., xxi, 87, 1894. Tex.

2286. *gracillima* GROTE, Can. Ent., xiii, 231, 1881; Ariz.
SMITH, C. 162.

2287. *fusimacula* SMITH, Jn. N. Y. Ent. Soc., x, 50, 1902. Cal.

NYCTEROPHÆTA Smith.

SMITH, Bull. Brook. Ent. Soc., iv, 45, 1882; *Epingetis* GROTE.

2288. *luna* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, Rocky
122, 1875; SMITH, C. 267. Mts.

syn. *magdalena* HULST, *notatella* GROTE.

COPABLEPHARON Harvey.

HARVEY, Can. Ent., x, 56, 1878.

- *2289. *grandis* STRECKER, Lep. Rhop. Het., 129, 1875; Mont.
SMITH, C. 267.

syn. *subflavidens* GROTE, Can. Ent., xiv, 169,
1882.

2290. *longipenne* GROTE, Can. Ent., xiv, 169, 1882; Mont.
SMITH, C. 267.

2291. *album* HARVEY, Can. Ent., vii, 35, 1876; SMITH, Oreg., Col.,
C. 268. Mont.

2292. **absidum** HARVEY, Bull. Buff. Soc., ii, 275, 1874; Cal.,
SMITH, C. 267. Rocky Mts.

ÆDOPHRON Lederer.

LEDERER, Noct. Eur., 180, 1857.

- *2293. **pallens** TEPPER, Trans. Am. Ent. Soc., x, 215, So.
1882; SMITH, C. 268. Cal.

THYREION Smith.

SMITH, Trans. Am. Ent. Soc., xviii, 121, 1891.

- *2294. **snowi** GROTE, Proc. Acad. Nat. Sci. Phil., 422, Kans.
1875; SMITH, C. 268.

2295. **rosea** SMITH, Trans. Am. Ent. Soc., xviii, 121, Col.
1891; C. 268.

CHLORIDEA Westwood.

WESTWOOD, Lib. Nat. Hist., xxxvii, 198, 1841.

2296. **virescens** FABRICIUS, Spec. Ins., ii, 217, 1781; U. S.
SMITH, C. 268.

syn. *rhexivæ* SMITH & ABBOT, *spectanda*
STRECKER.

- *2297. **subflexa** GUENÉE, Spec. Gén., ii, 175, 1852; No.
SMITH, C. 269. Am.

HELIOCHEILUS Grote.

GROTE, Proc. Ent. Soc. Phil., iv, 328, 1865.

2298. **paradoxus** GROTE, Proc. Ent. Soc. Phil., iv, 329, So. Atl.
1865; SMITH, C. 269. States, Col.

- *2299. **albidentina** WALKER, Cat. Brit. Mus., xxxii, Fla.
680, 1865; SMITH, C. 269.

HELIOTHIS Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 91, 1816.

2300. **armiger** HÜBNER, Samml. eur. Schmett., Noct., U. S.
370, 1810; SMITH, C. 270.

a. umbrosus GROTE, Proc. Ent. Soc. Phil., i, 219,
1863; SMITH, C. 270.

2301. **phlogophagus** GROTE & ROBINSON, Trans. Am. U. S.
Ent. Soc., i, 180, 1868; SMITH, C. 270.

syn. *interjacens* GROTE.

a. luteitinctus GROTE, Proc. Acad. Nat. Sci. Phil.,
426, 1875.

2302. **scutosus** FABRICIUS, Mant. Ins., ii, 142, 1787; Rocky
SMITH, C. 271. Mts.

syn. *nuchalis* GROTE.

2303. *sauvis* HY. EDWARDS, Pap., iv, 45, 1884; SMITH, C. 271. Rocky Mts.
- DERRIMA Walker.
- WALKER, Cat. Brit. Mus., xii, 770, 1857.
2304. *stellata* WALKER, Cat. Brit. Mus., xxii, 770, 1857; SMITH, C. 271. Atl. States.
- a. henrietta* GROTE, Proc. Ent. Soc. Phil., iii, 3, 1864.
- CHAMÆCLEA Grote.
- GROTE, Can. Ent., xv, 76, 1883.
- *2305. *pernana* GROTE, Pap., i, 155, 1881; SMITH, C. 271. Ariz.
- RHODOPHORA Guenée.
- GUENÉE, Spec. Gén., vi, 170, 1852; *Alaria* WESTWOOD (not SCHRANK), *Orylos* GROTE, Check List Noct., 19, 1875.
2306. *gauræ* SMITH & ABBOT, Lep. Ins. Ga., ii, 197, 1797; SMITH, C. 272. So. States, Col.
- syn. *matutina* HÜBNER.
2307. *florida* GUENÉE, Spec. Gén., vi, 171, 1852; SMITH, C. 272. Atl. States.
- *2308. *felicitata* SMITH, Trans. Am. Ent. Soc., xxi, 80, 1894. Utah.
2309. *citronellus* GROTE & ROBINSON, Trans. Am. Ent. Soc., iii, 180, 1870; SMITH, C. 272. Tex., Col.
- RHODOSEA Grote.
- GROTE, Can. Ent., xv, 5, 1883.
2310. *julia* GROTE, Can. Ent., xv, 5, 1883; SMITH, C. 272. New Mex., Ariz.
- RHODODIPSA Grote.
- GROTE, Bull. Geol. Surv. Terr., iii, 797, 1877.
2311. *volupia* FITCH, Trans. N. Y. Sta. Agr. Soc., 900, 1857; SMITH, C. 273. Col., Tex.
- *2312. *miniana* GROTE, Pap., i, 175, 1881; SMITH, C. 273. N. Mex.
2313. *masoni* SMITH, Ent. News, vii, 284, 1896. Col.
- *2314. *aden* STRECKER, Lep. Rhop. Het., suppl. 1, 11, 1898. Col.
- TRIOCNEMIS Grote.
- GROTE, Pap., i, 77, 1881.
2315. *saporis* GROTE, Pap., i, 77, 1881; SMITH, C. 273. Col., Wash., Cal.

PSEUDACONTIA Smith.

SMITH, Trans. Am. Ent. Soc., x, 246, 1882.

2316. *crustaria* MORRISON, Proc. Acad. Nat. Sci. Phil.,
70, 1875; SMITH, C. 273. Neb.,
Col.

GRÆPERIA Grote.

GROTE, Abh. nat. Ver. Brem., xiv, 109, 1895; *Heliodora* NEUMOEGEN (not *Heliodore*
STÅL), Can. Ent., xxiii, 125, 1891.

- *2317. *magnifica* NEUMOEGEN, Can. Ent., xxiii, 125,
1891; SMITH, C. 273. Tex.

PORRIMA Grote.

GROTE, Bull. Geol. Surv. Terr., iii, 798, 1877.

2318. *regia* STRECKER, Lep. Rhop. Het., 121, 1876; Kans., Tex.,
SMITH, C. 279. Col.

2319. *sanguinea* GEYER, Zutr. exot. Schmett., f. 613,
1832; SMITH, C. 279. So.
States.
- syn. *carnosina* NEUMOEGEN.

2320. *gloriosa* STRECKER, Lep. Rhop. Het., 132, 1876; Tex.
SMITH, C. 280.

TRICHOSELLUS Grote.

GROTE, Rev. Check List, 36, 1890.

- *2321. *cupes* GROTE, Trans. Am. Ent. Soc., v, 113, 1875; Pac. States,
SMITH, C. 280. Tex., Col.
- syn. *crotchii* HY. EDWARDS

EUPANYCHIS Grote.

GROTE, Rev. Check List, 34, 1890.

2322. *spinosa* GUENÉE, Spec. Gén., vi, 182, 1852; SMITH, Atl.
C. 281. States.
- syn. *hirtella* GROTE & ROBINSON.

CANIDIA Grote.

GROTE, Rev. Check List, 36, 1890.

2323. *scissa* GROTE, Proc. Bost. Soc. Nat. Hist., xviii, Fla.
451, 1876; SMITH, C. 285.

SCHINIA Hübner.

HÜBNER, Verz. bek. Schmett., 281, 1816; SMITH, Trans. Am. Ent. Soc., x, 225, 1883.

2324. *chrysellus* GROTE, Bull. Buff. Soc., ii, 76, 1874; Tex.,
SMITH, C. 274. N. Mex., Col.

2325. *lanul* STRECKER, Lep. Rhop. Het., 132, 1877; Tex.,
SMITH, C. 285. Cal.
- syn. *relaris* GROTE, *ochreifascia* SMITH, C. 274.
- *2326. *hulstia* TEPPER, Trans. Am. Ent. Soc., x, 228, Tex.,
1883; SMITH, C. 274. Cal.
2327. *aleucis* HARVEY, Can. Ent., vii, 117, 1875; SMITH, Tex.
C. 275.
2328. *cumatilis* GROTE, Proc. Ent. Soc. Phil., iv, 330, Col.,
1865; SMITH, C. 275. N. Mex.
- *2329. *tenuescens* GROTE, Can. Ent., xv, 128, 1883; Ariz.
SMITH, C. 275.
- *2330. *biundulata* SMITH, Trans. Am. Ent. Soc., xviii, Col.
129, 1891; C. 275.
2331. *sexplagiata* SMITH, Trans. Am. Ent. Soc., xviii, Col.
124, 1891; C. 275.
- syn. *pyraloides* STRECKER, Lep. Rhop. Het.,
suppl. 1, 9, 1898.
2332. *trifascia* HÜBNER, Zutr. exot. Schmett., f. 33, Atl. States,
1818; SMITH, C. 275. Col.
- syn. *lineata* WALKER.
- *2333. *gracilenta* HÜBNER, Zutr. exot. Schmett., f. 5, So.
1818; SMITH, C. 276. States.
- syn. *oleagina* MORRISON.
2334. *simplex* SMITH, Trans. Am. Ent. Soc., xviii, 129, Col.
1891; C. 276.
- *2335. *arefacta* HY. EDWARDS, Pap., iv, 123, 1884; Fla.
SMITH, C. 276.
2336. *unimacula* SMITH, Trans. Am. Ent. Soc., x, 229, Col.
1882; C. 276.
2337. *obliqua* SMITH, Trans. Am. Ent. Soc., x, 229, Ariz.
1882; C. 276.
- *2338. *bifascia* HÜBNER, Zutr. exot. Schmett., f. 55, Ga., Ariz.,
1818; SMITH, C. 276. Col.
2339. *nundina* DRURY, Ill. Exot. Ent., i, 36, 1770; Atl.
SMITH, C. 276. States.
- syn. *nigrivirena* HAWORTH.
- *2340. *parmeliana* HY. EDWARDS, Pap., ii, 14, 1882; Md.
SMITH, C. 277.
2341. *acutilinea* GROTE, Can. Ent., x, 232, 1878; SMITH, Rocky
C. 277. Mts.
- syn. *separata* GROTE.
- *2342. *balba* GROTE, Pap., i, 156, 1881; SMITH, C. 277. Ariz.

- *2343. *coercita* GROTE, Pap., i, 156, 1881; SMITH, C. 277. Ariz.
- *2344. *walsinghami* HY. EDWARDS, Pap., i, 20, 1881; SMITH, C. 278. Oreg.
2345. *brucei* SMITH, Trans. Am. Ent. Soc., xviii, 125, 1891; C. 278. Col.
2346. *lynx* GUENÉE, Spec. Gén., vi, 185, 1852; SMITH, C. 278. Atl. States.
2347. *roseitincta* HARVEY, Bull. Buff. Soc., ii, 278, 1875; SMITH, C. 278. Tex., Col.
syn. *exaltata* HY. EDWARDS.
2348. *saturata* GROTE, Bull. Buff. Soc., ii, 74, 1874; SMITH, C. 278. Atl. States, Cal.
syn. *rubiginosa* STRECKER.
2349. *diffusa* SMITH, Trans. Am. Ent. Soc., xviii, 125, 1891; C. 279. Col.
2350. *sordidus* SMITH, Trans. Am. Ent. Soc., x, 230, 1883; C. 279. Ala., Tex.
2351. *tertia* GROTE, Proc. Acad. Nat. Sci. Phil., 212, 1874; SMITH, C. 279. Tex.
2352. *albafascia* SMITH, Trans. Am. Ent. Soc., x, 231, 1883; C. 279. Utah, Col.
2353. *jaguarina* GUENÉE, Spec. Gén., vi, 184, 1852; SMITH, C. 280. So. States, Col.
2354. *arcifera* GUENÉE, Spec. Gén., vi, 184, 1852; SMITH, C. 280. Atl. States.
syn. *spraguei* GROTE.
- *2355. *petulans* HY. EDWARDS, Pap., iv, 123, 1884; SMITH, C. 281. Fla.
- *2356. *crenilinea* SMITH, Trans. Am. Ent. Soc., xviii, 129, 1891; C. 281. Tex.
- *2357. *lupatus* GROTE, Can. Ent., vii, 224, 1875; SMITH, C. 281. Tex.
2358. *packardii* GROTE, Proc. Ent. Soc. Phil., iii, 528, 1864; SMITH, C. 281. Tex., Col., Ariz.
syn. *mortua* GROTE, *nobilis* GROTE.
- *2359. *bicuspidata* SMITH, Trans. Am. Ent. Soc., xviii, 127, 1891; C. 282. Tex.
2360. *thoreau* GROTE & ROBINSON, Trans. Am. Ent. Soc., iii, 181, 1868; SMITH, C. 282. So. States.
2361. *marginata* HAWORTH, Lep. Brit., 374, 1810; SMITH, C. 282. Atl. States.
syn. *vinulosa* GUENÉE, *divergens* WALKER, *contracta* WALKER, *designata* WALKER.

- *2362. *imperspicua* STRECKER, Lep. Rhop. Het., 122, 1876; SMITH, C. 276. Tex.
syn. *digitalis* SMITH, Trans. Am. Ent. Soc., xviii, 128, 1891; C. 283.
- *2363. *constricta* HY. EDWARDS, Pap., ii, 128, 1882; SMITH, C. 283. N. C.
- *2364. *septentrionalis* WALKER, Cat. Brit. Mus., xv, 1744, 1858; SMITH, C. 284. Ill.
- *2365. *tuberculum* HÜBNER, Zutr. exot. Schmett., f. 517, 1823; SMITH, C. 283. So. Atl. States.
syn. *dorsilutea* WALKER.
2366. *brevis* GROTE, Proc. Ent. Soc. Phil., iii, 530, 1864; SMITH, C. 283. Atl. States, Col.
a. atrites GROTE, Proc. Ent. Soc. Phil., iii, 530, 1864.
- *2367. *concinna* SMITH, Trans. Am. Ent. Soc., xviii, 128, 1891; C. 284. Tex.
2368. *errans* SMITH, Trans. Am. Ent. Soc., x, 235, 1883; C. 284. Ariz.
- *2369. *inclara* STRECKER, Lep. Rhop. Het., 122, 1876; SMITH, C. 284. Tex.
- *2370. *limbalis* GROTE, Proc. Acad. Nat. Sci. Phil., 421, 1875; SMITH, C. 284. Kans.
2371. *meskeana* GROTE, Can. Ent., vii, 234, 1875; SMITH, C. 284. Tex., Fla.
syn. *fastidiosa* STRECKER, *rufimedia* GROTE.
2372. *ultima* STRECKER, Lep. Rhop. Het., 122, 1876; SMITH, C. 285. Tex.
2373. *ligeæ* SMITH, Ins. Life, v, 331, 1893. Cal.
2374. *intrabilis* SMITH, Ins. Life, v, 331, 1893. Cal.
2375. *ciliata* SMITH, Proc. U. S. Nat. Mus., xxii, 488, 1900. N. Mex.
2376. *oculata* SMITH, Proc. U. S. Nat. Mus., xxii, 488, 1900. Ariz.
2377. *reniformis* SMITH, Proc. U. S. Nat. Mus., xxii, 487, 1900. Col.
- *2378. *labe* STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. Tex.
- *2379. *hanga* STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898. Tex.
- *2380. *ar* STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. Tex.

- *2381. *nubila* STRECKER, Lep. Rhop. Het., 122, 1876; SMITH, C. 284. Tex.
- *2382. *approximata* STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. Tex.
- *2383. *dolosa* STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898. Tex.
- *2384. *neglecta* STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. Col.
- *2385. *tanena* STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. Tex.
- *2386. *obscurata* STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. Pa.
- *2387. *lora* STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. Tex.
- *2388. *siren* STRECKER, Lep. Rhop. Het., 122, 1876; SMITH, C. 285. Tex.

DASYSPOUDÆA Smith.

SMITH, Trans. Am. Ent. Soc., x, 213, 1883.

2389. *lucens* MORRISON, Proc. Acad. Nat. Sci. Phil., 69, 1875; SMITH, C. 286. Rocky Mts.
- α. luxuriosa* GROTE, Can. Ent., xiv, 175, 1882.
2390. *meadii* GROTE, Bull. Buff. Soc., i, 121, 1873; SMITH, C. 286. Mont., Col.

PSEUDANTHÆCIA Smith.

SMITH, Trans. Am. Ent. Soc., x, 213, 1880.

2391. *tumida* GROTE, Bull. Brook. Ent. Soc., iii, 30, 1880; SMITH, C. 286. Col.

PALADA Smith.

SMITH, Proc. U. S. Nat. Mus., xxii, 486, 1900.

2392. *scarletina* SMITH, Proc. U. S. Nat. Mus., xxii, 487, 1900. Cal.

STYLOPODA Smith.

SMITH, Trans. Am. Ent. Soc., xviii, 131, 1891.

2393. *cephalica* SMITH, Trans. Am. Ent. Soc., xviii, 131, 1891; C. 286. Cal.

SYMPISTIS Hübner.

HÜBNER, Verz. bek. Schmett., 257, 1816; *Euros* HY. EDWARDS.

- *2394. *proprius* HY. EDWARDS, Pap., 1, 19, 1881; SMITH, C. 286. Cal.

MELANOPOPHYRIA Grote.

GROTE, Bull. Buff. Soc., ii, 75, 1874.

2395. *immortua* GROTE, Bull. Buff. Soc., ii, 75, 220, 1874; SMITH, C. 287. Mass., N. Y.,
Col.
- *2396. *prorupta* GROTE, Trans. Am. Ent. Soc., iv, 294, 1873; SMITH, C. 287. Cal.,
Oreg.
- syn. *venusta* HY. EDWARDS.
2397. *oregona* HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 135, 1875; SMITH, C. 287. Col., Nev.,
Oreg.

DYSOCNEMIS Grote.

GROTE, Rev. Check List, 34, 1890.

2398. *belladonna* HY. EDWARDS, Pap., i, 20, 1881; SMITH, C. 287. Utah.

PSEUDOTAMILA Smith.

SMITH, Trans. Am. Ent. Soc., x, 238, 1883.

2399. *vanella* GROTE, Can. Ent., xi, 197, 1877; SMITH, C. 287. Nev.,
Cal.
- *2400. *perminuta* HY. EDWARDS, Pap., i, 21, 1881; SMITH, C. 287. Cal.

MELICLEPTRIA Hübner.

HÜBNER, Verz. bek. Schmett., 262, 1816.

- *2401. *celeris* GROTE, Bull. Buff. Soc., i, 148, 1873; SMITH, C. 288. So.
Cal.
2402. *pulchripennis* GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 241, 1874; SMITH, C. 288. Cal.,
Col.
- syn. *languida* HY. EDWARDS.
- *2403. *graefiana* TEPPER, Trans. Am. Ent. Soc., x, 245, 1883; SMITH, C. 288. So.
Cal.
2404. *villosa* GROTE, Proc. Ent. Soc. Phil., iii, 531, 1864; SMITH, C. 288. Col.,
Cal.
- syn. *paucivillus* GROTE.
- a. persimilis* GROTE, Bull. Buff. Soc., i, 117, 1873.
2405. *honesta* GROTE, Pap., i, 77, 1881; SMITH, C. 289. Oreg.
- *2406. *sueta* GROTE, Bull. Buff. Soc., i, 117, 1873; SMITH, C. 289. Col.,
Cal.
- syn. *californicus* GROTE.
- *2407. *vacciniæ* HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 134, 1875; SMITH, C. 289. Cal.

2408. *septentrionalis* HY. EDWARDS, Pap., iv, 45, 1884; SMITH, C. 289. Can.

HELIOLONCHE Grote.

GROTE, Bull. Buff. Soc., i, 115, 1873.

2409. *modicella* GROTE, Bull. Buff. Soc., i, 116, 1873; SMITH, C. 289. Cal., Col., Utah.

OMIA Hübner.

HÜBNER, Verz. bek. Schmett., 244, 1816.

2410. *nesæa* SMITH, Ins. Life, v, 332, 1893. Cal.

HELIOPHANA Grote.

GROTE, Bull. Buff. Soc., ii, 220, 1875.

- *2411. *mitis* GROTE, Bull. Buff. Soc., i, 116, 1873; SMITH, C. 290. Tex., Miss.

syn. *obliquata* SMITH.

2412. *amaryllis* SMITH, Trans. Am. Ent. Soc., xviii, 130, 1891; C. 290. Cal.

- *2413. *bina* GUENÉE, Spec. Gén., vi, 186, 1852; SMITH, C. 290. Neb., N. Y.

HELIODES Guenée.

GUENÉE, Ann. Soc. Ent. Fr., x, 61, 1841.

2414. *restrictalis* SMITH, Proc. U. S. Nat. Mus., xxii, 485, 1900. Cal.

2415. *angelica* SMITH, Proc. U. S. Nat. Mus., xxii, 484, 1900. Cal.

HELIOSEA Grote.

GROTE, Bull. Buff. Soc., ii, 220, 1875.

- *2416. *pictipennis* GROTE, Bull. Buff. Soc., ii, 220, 1875; SMITH, C. 289. Cal.

XANTHOTHRIX Hy. Edwards.

HY. EDWARDS, Pac. Coast Lep., no. 29, 1878.

2417. *ranunculi* HY. EDWARDS, Pac. Coast Lep., no. 29, 1878; SMITH, C. 290. Cal.

2418. *neumoegeni* HY. EDWARDS, Pap., i, 101, 1881; SMITH, C. 290. Cal.

AXENUS Grote.

GROTE, Bull. Buff. Soc., i, 153, 1873.

2419. *arvalis* GROTE, Bull. Buff. Soc., i, 152, 1873; Cal., Col.,
SMITH, C. 291. Ariz.
a. ochraceus HY. EDWARDS, Proc. Cal. Acad. Sci.,
vi, 136, 1875.
b. amplus HY. EDWARDS, Proc. Cal. Acad. Sci.,
vi, 136, 1875.

HELIACA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Schmett. Eur., ii, 370, 1853.

2420. *diminutiva* GROTE, Bull. Buff. Soc., i, 148, 1873; Cal., Nev.,
SMITH, C. 291. Col.
2421. *fasciata* HY. EDWARDS, Proc. Cal. Acad. Sci., vi, Col.
134, 1875; SMITH, C. 281.
*2422. *dubitans* TEPPER, Trans. Am. Ent. Soc., vi, 134, Nev.
1875; SMITH, C. 291.
2423. *nexilis* MORRISON, Proc. Acad. Nat. Sci. Phil., Col.,
102, 1875; SMITH, C. 291. Cal.
2424. *elaborata* HY. EDWARDS, Pap., i, 21, 1881; SMITH, Col.
C. 291.

EUPSEUDOMORPHA Dyar.

DYAR, Can. Ent., xxv, 28, 1893.

- *2425. *brillians* NEUMOEGEN, Can. Ent., xii, 67, 1880; Tex.
NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 23,
1894.

XANTHOPASTIS Hübner.

HÜBNER, Verz. bek. Schmett., 211, 1816.

2426. *timais* CRAMER, Pap. Exot., pl. 275, f. B, 1782; Fla.
SMITH, C. 180.
syn. regnatricæ GROTE.

PSYCHOMORPHA Harris.

HARRIS, Am. Jn. Sci., xxxvi, 319, 1839.

2427. *epimenis* DRURY, Ill. Exot. Ent., iii, pl. 39, f. 2, Atl.
1780; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., States.
ii, 19, 1894.

EUTHISANOTIA Hübner.

HÜBNER, Zutr. exot. Schmett., iii, 12, 1825; *Eudryas* BOISDUVAL.

2428. *unio* HÜBNER, Zutr. exot. Schmett., iii, 12, 839, Atl.
840, 1825; NEUMOEGEN & DYAR, Jn. N. Y. Ent. States.
Soc., ii, 24, 1894.

2429. **brevipennis** STRETCH, Zyg. Bomb. No. Am., 151, Cal.
1874; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc.
ii, 25, 1894.
2430. **grata** FABRICIUS, Syst. Ent., iii, 457, 1793; Atl.
NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 25, States.
1894.
syn. *assimilis* BOISDUVAL.

CIRIS Grote.

GROTE, Proc. Ent. Soc. Phil., ii, 65, 1863.

2431. **wilsoni** GROTE, Proc. Ent. Soc. Phil., ii, 65, 1863; Tex.
NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 25,
1894.

NOROPSIS Guenée.

GUENÉE, Spec. Gén., v, 117, 1852.

2432. **hieroglyphica** CRAMER, Pap. Exot., pl. 147, f. D, Tex.,
1779; SMITH, C. 180. Fla.
syn. *festiva* FABRICIUS, *degnans* HÜBNER, *fastu-*
osa GUENÉE.

FENARIA Grote.

GROTE, Pap., ii, 132, 1882.

2433. **longipes** DRUCE, Biol. Cent. Am., Lep. Het., i, Ariz.,
334, 1889. Mex.
2434. **sevorsa** GROTE, Pap., ii, 132, 1882; NEUMOEGEN Ariz.,
& DYAR, Jn. N. Y. Ent. Soc., ii, 19, 1894. Mex.
syn. *adessa* DRUCE, Biol. Cent. Am., Lep.
Het., i, 334, 1889.

ACHERDOA Walker.

WALKER, Cat. Brit. Mus., xxxii, 451, 1865; *Varina* NEUMOEGEN.

2435. **ferraria** WALKER, Cat. Brit. Mus., xxxii, 451, Fla.
1865; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc.,
ii, 59, 1894.
syn. *ornata* NEUMOEGEN.

AON Neumoegen.

NEUMOEGEN, Ent. News, iii, 258, 1893.

2436. **noctuiiformis** NEUMOEGEN, Ent. News, iii, 258, Tex.
1893; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc.,
ii, 60, 1894.

CIRRHOPHANUS Grote.

GROTE, Can. Ent., iv, 187, 1872.

2437. *triangulifer* GROTE, Can. Ent., iv, 187, 1872; So.
SMITH, C. 261. States.
2438. *dyari* COCKERELL, Can. Ent., xxxi, 288, 1899. N. Mex.
2439. *duplicatus* SMITH, Trans. Am. Ent. Soc., xviii, Col.
112, 1891; C. 261.

TRICHOCALE Ottolengui.

Kallitrichia OTTOLENGUI (not *Callitriche* POLI), Can. Ent., xxx, 107, 1898.—R.
OTTOLENGUI.

- *2440. *coronides* DRUCE, Biol. Cent. Am., Lep. Het., i, Ariz.,
328, 1889. Mex.
- syn. *pendula* OTTOLENGUI, Can. Ent., xxx, 108,
1898.
- *2441. *albavena* OTTOLENGUI, Can. Ent., xxx, 107, 1898. Ariz.
- *2442. *smithii* DRUCE, Biol. Cent. Am., Lep. Het., i, Ariz.,
329, 1889. (May be 2463.) Mex.
- a. *sagittalba* OTTOLENGUI, Can. Ent., xxx, 108,
1898.

BASILODES Guenée.

GUENÉE, Spec. Gén., vi, 358, 1852.

2443. *pepita* GUENÉE, Spec. Gén., vi, 358, 1852; SMITH, So. Atl.
C. 261. States.
2444. *chrysopis* GROTE, Pap., i, 154, 1881; SMITH, C. Rocky Mts.
261.
2445. *territans* HY. EDWARDS, Pap., iv, 45, 1884; SMITH, Ariz.
C. 261.
- *2446. *howardi* HY. EDWARDS, Pac. Coast Lep., 25, 1877; Ariz.
SMITH, C. 261.
- *2447. *mirabilis* NEUMOEGEN, Pap., iv, 94, 1884; SMITH, Ariz.
C. 262.
- *2447. 1. *arizonae* FRENCH, Can. Ent., xxi, 161, 1889; Ariz.
SMITH, C. 248.

STIRIA Grote.

GROTE, Bull. Buff. Soc., ii, 73, 1874.

2448. *rugifrons* GROTE, Bull. Buff. Soc., ii, 75, 1874; Kans.
SMITH, C. 262. Col.
- *2449. *consuela* STRECKER, Lep. Rhop. Het., suppl. 3, Ariz.
34, 1900.

- *2450. *sulphurea* NEUMOEGEN, Pap., ii, 135, 1882; SMITH, C. 262. Ariz.
- *2451. *nanata* NEUMOEGEN, Pap., iv, 95, 1884; SMITH, C. 262. N. Mex.

STIBADIUM Grote.

GROTE, Bull. Buff. Soc., ii, 74, 1874.

2452. *spumosum* GROTE, Bull. Buff. Soc., ii, 74, 1874; SMITH, C. 262. So. Atl. States, Col.
2453. *aureolum* HY. EDWARDS, Pap., ii, 126, 1882; SMITH, C. 262. Ariz.
- *2454. *curiosum* NEUMOEGEN, Pap., iii, 141, 1883; SMITH, C. 262. Ariz.
2455. *navium* HARVEY, Bull. Buff. Soc., iii, 10, 1875; SMITH, C. 263. Tex.

PLAGIOMIMICUS Grote.

GROTE, Bull. Buff. Soc., i, 182, 1873.

2456. *pityochromus* GROTE, Bull. Buff. Soc., i, 182, 1873; SMITH, C. 263. So. Atl. States, Col.
2457. *triplagiatus* SMITH, Ent. Amer., vi, 139, 1890; C. 163. N. Mex.
2458. *tepperi* MORRISON, Proc. Acad. Nat. Sci. Phil., 68, 1875; SMITH, C. 263. Tex., Col.
- syn. *richi* GROTE.

2459. *expallidus* GROTE, Pap., ii, 185, 1882; SMITH, C. 264. Mont., Col.
- *2460. *viridifera* GROTE, Can. Ent., xiv, 217, 1882; SMITH, C. 264. Ariz.

FALA Grote.

GROTE, Proc. Acad. Nat. Sci. Phil., 425, 1875.

- *2461. *ptycophora* GROTE, Proc. Acad. Nat. Sci. Phil., 426, 1875; SMITH, C. 264. Cal.

NARTHECOPHORA Smith.

SMITH, Proc. U. S. Nat. Mus., xxii, 485, 1900.

2462. *pulverea* SMITH, Proc. U. S. Nat. Mus., xxii, 486, 1900. Ariz.

NEUMOEGENIA Grote.

GROTE, Pap., ii, 132, 1882.

- *2463. *poetica* GROTE, Pap., ii, 132, 184, 1882; SMITH, C. 265. Ariz., Oreg.

PLUSIODONTA Guenée.

GUENÉE, Spec. Gén., vi, 359, 1852.

2464. **compressipalpis** GUENÉE, Spec. Gén., vi, 359, 1852; SMITH, C. 260. Atl. States.
syn. *insignis* WALKER.

GONODONTA Hübner.

HÜBNER, Verz. bek. Schmett., 263, 1816.

2465. **unica** NEUMOEGEN, Can. Ent., xxiii, 125, 1891; SMITH, C. 259; DYAR, Proc. U. S. Nat. Mus., xxiii, 272, 1900. Fla.
- *2466. **nutrix** CRAMER, Pap. Exot., iv, pl. 312, f. B. Fla., 1782; GUENÉE, Spec. Gén., vi, 370, 1852. So. Am.

CALPE Treitschke.

TREITSCHKE, Schmett. Eur., v, 2, 168, 1825.

2467. **canadensis** BETHUNE, Proc. Ent. Soc. Phil., iv, 213, 1865; SMITH, C. 259. No. Atl. States.
syn. *purpurascens* WALKER, *sobria* WALKER.

PANCHRYSIA Hübner.

HÜBNER, Verz. bek. Schmett., 252, 1816; *Dera* WALKER, Cat. Brit. Mus., xii, 962, 1857.

- *2468. **morigera** HY. EDWARDS, Ent. Amer., ii, 169, 1887; SMITH, C. 247. Col.
2469. **purpurigera** WALKER, Cat. Brit. Mus., xiv, 1791, 1858; SMITH, C. 246. Atl. States, Col.
- *2470. **palligera** GROTE, Pap., i, 35, 1881; SMITH, C. 247. Cal., Col.
2471. **ornata** OTTOLENGUI, Can. Ent., xxx, 106, 1898. N. Mex.

POLYCHRYSIA Hübner.

HÜBNER, Verz. bek. Schmett., 251, 1816.

2472. **moneta** FABRICIUS, Mant. Ins., 162, 1787; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 2521, 1901. Alberta, Eur.
a. esmeralda OBERTHUR, Étud. d'Ent., v, 85, 1880.
syn. *trabea* SMITH, Ent. News, vii, 29, 1896.
2473. **formosa** GROTE, Proc. Ent. Soc. Phil., iv, 323, 1865; SMITH, C. 249. Atl. States.

PLUSIA Hübner.

HÜBNER, Tent., 1806; OCHSENHEIMER, Schmett. Eur., iv, 89, 1816.

2474. *ærea* HÜBNER, Schmett. Eur., iv, pl. 56, f. 27, 1810; SMITH, C. 247. Atl. States, Col.
2475. *æroides* GROTE, Proc. Ent. Soc. Phil., iii, 83, 1864; SMITH, C. 247. Atl. States, Col.
2476. *balluca* GEYER, Zutr. exot. Schmett., f. 681, 1835; SMITH, C. 248. No. Atl. States.
2477. *metallica* GROTE, Bull. Buff. Soc., ii, 371, 1875; SMITH, C. 248. Wash., Cal.
- syn. *scapularis* HY. EDWARDS, Pap., ii, 127, 1882; *lenzi* FRENCH, Can. Ent., xxi, 161, 1889; SMITH, C. 253.

EUCHALCIA Hübner.

HÜBNER, Verz. bek. Schmett., 251, 1816.

2478. *contexta* GROTE, Bull. Buff. Soc., i, 193, 1873; SMITH, C. 248. Atl. States.
2479. *festucæ* LINNÆUS, Syst. Nat., 513, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 2546, 1901. Atl. States, Eur.
- a. putnami* GROTE, Bull. Buff. Soc., i, 146, 1873; SMITH, C. 248.
2480. *venusta* WALKER, Cat. Brit. Mus., xxxiii, 836, 1865; SMITH, C. 248. Atl. States.
- syn. *striatella* GROTE.

EOSPHOROPTERYX Dyar.

DYAR, Jn. N. Y. Ent. Soc., x, 80, 1902.

2481. *thyatiroides* GUENÉE, Spec. Gén., vi, 337, 1852; SMITH, C. 249. Atl. States.

AUTOGRAPHHA Hübner.

HÜBNER, Verz. bek. Schmett., 251, 1816.

2482. *mappa* GROTE & ROBINSON, Trans. Am. Ent. Soc. ii, 204, 1868; SMITH, C. 249. No. Atl. States.
2483. *bimaculata* STEPHENS, Ill. Brit. Ent., Haust., iii, 104, 1832; SMITH, C. 249. Atl. States.
- *2484. *solida* OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 64, 1902. Tex., Mex.
2485. *biloba* STEPHENS, Ill. Brit. Ent., Haust., iii, 104, 1832; SMITH, C. 249. U. S.

2486. **verruca** FABRICIUS, Ent. Syst., iii, 2, 81, 1794; Atl. States.
SMITH, C. 250. So. Am.
syn. *omega* HÜBNER, *oo* CRAMER, *omicron*
HÜBNER, *questionis* TREITSCHKE, *rutula*
WALKER.
2487. **rogationis** GUENÉE, Spec. Gén., vi, 344, 1852; Atl. States.
SMITH, C. 250. Col., So. Am.
syn. *hamifera* WALKER, *dyaus* GROTE, *in-*
cludens WALKER, *culta* LINTNER.
2488. **precationis** GUENÉE, Spec. Gén., vi, 344, 1852; Atl.
SMITH, C. 251. States.
2489. **egena** GUENÉE, Spec. Gén., vi, 328, 1852; SMITH, Fla.
C. 251.
2490. **labrosa** GROTE, Proc. Acad. Nat. Sci. Phil., 207, Cal.
1874; SMITH, C. 251.
2491. **flagellum** WALKER, Cat. Brit. Mus., xii, 909, 1857; Can
SMITH, C. 251.
syn. *monodon* GROTE, *insolita* SMITH, Ent.
News, vii, 30, 1896.
2492. **gamma** LINNÆUS, Faun. Suec., 1171, 1761; SMITH, Can.,
C. 251. Pac. States.
a. pseudogamma GROTE, Can. Ent., vii, 203, 1875;
SMITH, C. 251.
b. californica SPEYER, Stett. ent. Zeit., xxxvi,
164, 1875.
syn. *russea* HY. EDWARDS.
2493. **ou** GUENÉE, Spec. Gén., vi, 348, 1852; SMITH, U. S.
C. 252.
syn. *fratella* GROTE, Bull. Buff. Soc., ii, 161,
1874; SMITH, C. 252.
- *2494. **rubidus** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 67, Can.
1902.
- *2495. **pedalis** GROTE, Can. Ent., vii, 204, 1875; SMITH, Kans.
C. 252.
2496. **brassicæ** RILEY, Second Rept. Ins. Mo., 110, 1870; U. S.
SMITH, C. 253.
syn. *echinocystis* BEHR.
- *2497. **abrota** DRUCE, Biol. Cent. Am., Lep. Het., i, Fla.,
333, 1889; ii, 504, 1898. Mex.
2498. **oxygramma** GEYER, Zutr. exot. Schmett., f. 769, So. States,
1830; SMITH, C. 253. So. Am.
syn. *indigna* WALKER, Cat. Brit. Mus., xxii,
901, 1857; SMITH, C. 257.
- *2500. **albavitta** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, Cal.
75, 1902.

2501. **alias** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 69, 1902. No. Atl. States.
2502. **octoscripta** GROTE. Bull. Buff. Soc., ii, 72, 1874; SMITH, C. 254. No. Atl. States.
syn. *octosignata* GROTE.
- *2503. **altera** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 69, 1902. N. Y., Can.
- *2504. **v-alba** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 73, 1902. Wyo.
2505. **rectangula** KIRBY, Faun. Bor. Am., iv, 306, 1837; SMITH, C. 254. No. Atl. States.
syn. *mortuorum* GUENÉE, Spec. Gén., vi, 353, 1852; SMITH, C. 254.
- *2506. **u-aureum** GUENÉE, Spec. Gén., vi, 353, 1852; SMITH, C. 254.¹ No. Atl. States.
- *2507. **arctica** MÖSCHLER, Verh. zool.-bot. Ges. Wien, 285, 1884.¹ Labr.
2508. **vaccinii** HY. EDWARDS, Ent. Amer., iii, 170, 1886; SMITH, C. 254.¹ No. Atl. States.
2509. **selecta** WALKER, Cat. Brit. Mus., xii, 912, 1857; SMITH, C. 255. No. Atl. States.
syn. *viridisignata* GROTE.
- *2510. **variana** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 70, 1902. N. Bruns.
2511. **epsilon** OTTOLENGUI, Proc. Wash. Acad. Sci., ii, 494, 1901. Alaska.
2512. **angulidens** SMITH, Trans. Am. Ent. Soc., xviii, 111, 1891; C. 255. Col.
2513. **ottolenguii** DYAR. Alaska.
syn. *arctica* OTTOLENGUI (not MÖSCHLER), Jn. N. Y. Ent. Soc., x, 66, 1902.
- *2514. **celsa** HY. EDWARDS, Pap., i, 101, 1891; SMITH, C. 255. Oreg.
2515. **epigæa** GROTE. Proc. Acad. Nat. Soc. Phil., 208, 1874; SMITH, C. 255. N. Y., Mass., Col.
- *2516. **surena** GROTE. Bull. Geol. Surv. Terr., vi, 585, 1882; SMITH, C. 255. Me.
2517. **ampla** WALKER, Cat. Brit. Mus., xii, 910, 1857; SMITH, C. 256. No. Atl. States, Col.
syn. *alterna* STRECKER, Proc. Acad. Nat. Sci. Phil., xxxvii, 178, 1885.

¹These names may not represent more than one species.

2518. *basigera* WALKER, Cat. Brit. Mus., xxxiii, 836, 1865; SMITH, C. 255. Atl. States.
syn. *luticlavia* MORRISON.
2519. *falcigera* KIRBY, Faun. Bor. Am., iv, 308, 1837; SMITH, C. 254. U. S.
a. simplex GUENÉE, Spec. Gén., vi, 346, 1852; SMITH, C. 256.
2520. *pasiphæia* GROTE, Bull. Buff. Soc., i, 146, 1873; SMITH, C. 256. Pac. States.
- *2521. *zeta* OTTOLENGUI, JR., N. Y. Ent. Soc., x, 70, 1902. N.-W. Terr.
- *2522. *excelsa* OTTOLENGUI, JR., N. Y. Ent. Soc., x, 71, 1902. No. U. S.
- *2523. *pallida* OTTOLENGUI, JR., N. Y. Ent. Soc., x, 71, 1902. Newfoundl.
2524. *corrusca* STRECKER, Proc. Acad. Nat. Sci. Phil., 178, 1885; SMITH, C. 257. Col., Wash.
- *2525. *omicron* AFZELIUS, Life Linn., 1823; SMITH, C. 257.¹ N. Y.
- *2526. *speciosa* OTTOLENGUI, JR., N. Y. Ent. Soc., x, 73, 1902. B. C.
- *2527. *simplicima* OTTOLENGUI, JR., N. Y. Ent. Soc., x, 74, 1902. Wash.
2528. *sackeni* GROTE, Can. Ent., ix, 135, 1877; SMITH, C. 257. Col.
- *2529. *snowi* HY. EDWARDS, Pap., iv, 44, 1884; SMITH, C. 257. Col., N. Mex.
- *2530. *diasema* BOISDUVAL, Eur. Lep. Ind. Méth., 93, 1829; SMITH, C. 256. Lab., Col.
2531. *accurata* HY. EDWARDS, Pap., ii, 127, 1882; SMITH, C. 257. Wash.

SYNGRAPHA Hübner.

HÜBNER, Verz. bek. Schmett., 250, 1816; *Caloplusia* SMITH.

2532. *parilis* HÜBNER, Schmett. Eur., Noct., iii, 422, 1800; SMITH, C. 256. Arctic Am.
syn. *quadriplaga* WALKER.
2533. *ignea* GROTE, Proc. Ent. Soc. Phil., ii, 274, 1863; SMITH, C. 258. Col.

¹This name falls by homonymy even if it represent a different species from *omicron* Hübner [2486]. See Fée, Life Linnæus in Mém. Soc. R. d. Sci. de Lille, 1831.

2534. **hochenwarthi** HOCHENWARTH, Act. Soc. Berl., vi 337, 1785; SMITH, C. 258. Arctic Am.
syn. *divergens* FABRICIUS.
2535. **devergens** HÜBNER, Schmett. Eur., Noct., iii, 500, 1800; SMITH, C. 259. Col., Lab.
syn. *alticola* WALKER, Cat. Brit. Mus., xii, 912, 1857; SMITH, C. 258.

ABROSTOLA Ochseneheimer.

OCHSENHEIMER, Schmett. Eur., iv, 88, 1816.

2536. **urentis** GUENÉE, Spec. Gén., vi, 322, 1852; SMITH, C. 246. Atl. States.
- *2537. **ovalis** GUENÉE, Spec. Gén., vi, 322, 1852; SMITH, C. 246. Atl. States.

BEHRENSIA Grote.

GROTE, Can. Ent., vii, 70, 1875.

2538. **conchiformis** GROTE, Can. Ent., vii, 71, 1875; SMITH, C. 246. Cal., Oreg.

DIASTEMA Guenée.

GUENÉE, Spec. Gén., vi, 317, 1852; *Nepista* WALKER, *Plagiola* GROTE.

- *2539. **tigris** GUENÉE, Spec. Gén., vi, 317, 1852; SMITH, C. 245. Fla.
syn. *lineata* WALKER.

OGDOCONTA Butler.

BUTLER, Ann. Mag. Nat. Hist., (6), vii, 462, 1891.

2540. **cinereola** GUENÉE, Spec. Gén., vi, 316, 1852; SMITH, C. 245. Atl. States.
syn. *atomaria* WALKER.
- *2541. **carneola** SMITH, Trans. Am. Ent. Soc., xviii, 110, 1891; C. 246. N. Mex.

PÆCTES Hübner.

HÜBNER, Verz. bek. Schmett., 248, 1816; *Ingura* GUENÉE.

2542. **declinata** GROTE, Can. Ent., xi, 208, 1878; SMITH, C. 240. Cal., Col.
2543. **bursæræ** DYAR, Proc. Ent. Soc. Wash., iv, 455, 1901. Fla.
2544. **delineata** GUENÉE, Spec. Gén., vi, 311, 1852; SMITH, C. 240. Atl. States.

2545. *abrostoloides* GUENÉE, Spec. Gén., vi, 311, 1852; Atl.
SMITH, C. 240. States.
- *2546. *flabella* GROTE, Can. Ent., xi, 208, 1879; SMITH, Kans.
C. 240.
2547. *pygmæa* HÜBNER, Zutr. exot. Schmett., f. 109. So.
1818; SMITH, C. 240; GROTE, Abh. nat. Ver. States.
Brem., xiv, 101, 1895.
syn. *fuscescens* WALKER. *abrostella* WALKER.
præpilata GROTE.
2548. *oculatrix* GUENÉE, Spec. Gén., vi, 313, 1852; Atl.
SMITH, C. 241. States.
- *2549. *crisatrix* GUENÉE, Spec. Gén., vi, 313, 1852; U. S.
SMITH, C. 241.

EUTELIA Hübner.

HÜBNER, Verz. bek. Schmett., 259, 1816.

- *2550. *pulcherrima* GROTE, Proc. Ent. Soc. Phil., iv, 326, Atl.
1865; SMITH, C. 239. States.
syn. *dentifera* WALKER.

MARASMALUS Grote.

GROTE, Trans. Am. Ent. Soc., iv, 89, 1872.

2551. *inficita* WALKER, Cat. Brit. Mus., xxxiii, 818, Atl.
1865; SMITH, C. 239. States.
syn. *histris* GROTE.
2552. *ventilator* GROTE, Trans. Am. Ent. Soc., iv, 89, Atl.
1872; SMITH, C. 239. States.

AMYNA Guenée.

GUENÉE, Spec. Gén., v, 406, 1852; *Chytoryza* GROTE.

2553. *orbica* MORRISON, Proc. Bost. Soc. Nat. Hist., Tex.,
xvii, 216, 1874; SMITH, C. 244. Kans.
syn. *tecta* GROTE.

PTERÆTHOLIX Grote.

GROTE, Trans. Am. Ent. Soc., iv, 298, 1873.

2554. *bullula* GROTE, Trans. Am. Ent. Soc., iv, 299, So.
1873; SMITH, C. 244. States.

ALABAMA Grote.

GROTE, Abh. nat. Ver. Brem., xiv, 123, 1895.

2555. *argillacea* HÜBNER, Zutr. exot. Schmett., f. 399, 1820; SMITH, C. 243. So. Atl. States.
 syn. *xylina* SAY, *grandipuncta* GUENÉE, *bipunctina* GUENÉE.

ANOMIS Hübner.

HÜBNER, Verz. bek. Schmett., 249, 1816.

2556. *erosa* HÜBNER, Zutr. exot. Schmett., f. 287, 1818; SMITH, C. 241. So. Atl. States.
 2557. *exacta* HÜBNER, Samml. exot. Schmett., ii, 1810; SMITH, C. 241. So. Atl. States.
 2558. *luridula* GUENÉE, Spec. Gén., vi, 401, 1852; SMITH, C. 242. Gulf States.
 syn. *derogata* WALKER, *terana* RILEY.
 *2559. *conducta* WALKER, Cat. Brit. Mus., xiii, 990, 1857; SMITH, C. 242. Tex.
 syn. *hostia* HARVEY.

SCOLECOCAMPA Guenée.

GUENÉE, Spec. Gén., v, 131, 1852.

2560. *liburna* GEYER, Zutr. exot. Schmett., f. 963, 1823; SMITH, C. 191. Atl. States.
 syn. *ligni* GUENÉE.

EUCALYPTERA Morrison.

MORRISON, Ann. Lyc. Nat. Hist. N. Y., xi, 104, 1875.

- *2561. *obscura* GROTE, Can. Ent., xv, 7, 1883; SMITH, C. 192. Ariz.
 2562. *bipuncta* MORRISON, Ann. Lyc. Nat. Hist. N. Y., xi, 104, 1875; SMITH, C. 191. Atl. Coast.
 2563. *pectinicornis* SMITH, Jr. N. Y. Ent. Soc., vii, 232, 1899. Ariz.
 2564. *strigata* SMITH, Jr. N. Y. Ent. Soc., x, 45, 1902. Tex.

REABOTIS Smith.

Eyes naked; legs unarmed save for the usual spurs on tibiae, closely scaled; palpi long, curved, far exceeding the head, closely scaled, median joint a little thickened centrally, terminal joint slender, cylindrical; tongue moderate only; primaries trigonate, costa a little depressed, inner and outer margins rounded; secondaries, cell rather short, vein 5 as strong as the others and close to 4 on a short spur from the median.—JOHN B. SMITH.

- *2565. *immaculalis* HULST, Trans. Am. Ent. Soc., xiii, Mont.
154, 1886.

CILLA Grote.

GROTE, No. Am. Ent., i, 100, 1880.

2566. *distema* GROTE, No. Am. Ent., i, 100, 1880; Tex.
SMITH, C. 193.

AMOLITA Grote.

GROTE, Bull. Buff. Soc., ii, 158, 1874.

2567. *fessa* GROTE, Bull. Buff. Soc., ii, 158, 1874; SMITH, Atl.
C. 193. States.

RIVULA Guenée.

GUENÉE, Spec. Gén., viii, 47, 1854.

2568. *propinqualis* GUENÉE, Spec. Gén., viii, 49, 1854; Atl.
SMITH, C. 384. States.

PSEUDORGYIA Harvey.

HARVEY, Bull. Buff. Soc., ii, 283, 1875.

2569. *versuta* HARVEY, Bull. Buff. Soc., ii, 284, 1875; Tex.
SMITH, C. 386.

- *2570. *russula* GROTE, Pap., iii, 75, 1883; SMITH, C. Ariz.
386.

DORYODES Guenée.

GUENÉE, Spec. Gén., x, 233, 1857.

2571. *bistriaris* GEYER, Zutr. exot. Schmett., f. 775. Atl.
1823; SMITH, C. 192. Coast.

syn. *acutaria* HERRICH-SCHAEFFER, *divisa*
WALKER, *promptella* WALKER.

2572. *spadaria* GUENÉE, Spec. Gén., x, 234, 1857; Fla.
SMITH, C. 192.

PHIPROSOPUS Grote.

GROTE, Trans. Am. Ent. Soc., iv, 90, 1872.

2573. *callitrichoides* GROTE, Trans. Am. Ent. Soc., iv, 90, 1872; SMITH, C. 192. Atl. States.
syn. *nastuaria* ZELLER.

ANEPISCHETOS Smith.

SMITH, Proc. U. S. Nat. Mus., xxii, 482, 1900.

2574. *bipartita* SMITH, Proc. U. S. Nat. Mus., xxii, 482, 1900. Fla.

DIALLAGMA Smith.

SMITH, Proc. U. S. Nat. Mus., xxii, 483, 1900.

2575. *lutea* SMITH, Proc. U. S. Nat. Mus., xxii, 483, 1900. Fla.

PLEONECTYPTERA Grote.

GROTE, Trans. Am. Ent. Soc., iv, 23, 1872.

2576. *pyralis* HÜBNER, Zutr. exot. Schmett., f. 127, 1818; SMITH, C. 362. So. Atl. States.
syn. *irrecta* WALKER, *floccalis* ZELLER.

2577. *geometralis* GROTE, Trans. Am. Ent. Soc., iv, 24, 1872; SMITH, C. 362. So. States.

- *2578. *habitalis* WALKER, Cat. Brit. Mus., xvi, 39, 1859; SMITH, C. 363. So. States.
syn. *phalaenalis* GROTE.

2579. *finitima* SMITH, Ins. Life, v, 333, 1893. Cal.

2580. *incusalis* GROTE, Can. Ent., xiii, 133, 1881; SMITH, C. 363. Col., Ariz.

- *2581. *subflavidalis* GROTE, Pap., i, 166, 1881; SMITH, C. 363. Ariz.

- *2582. *historialis* GROTE, Can. Ent., xiv, 188, 1882; SMITH, C. 363. Ariz.

2583. *immaculalis* HARVEY, Bull. Buf. Soc., iii, 13, 1875; SMITH, C. 363. Tex.

- *2584. *obliqualis* HY. EDWARDS, Ent. Amer., ii, 171, 1886; SMITH, C. 363. Tex.

ANNAPHILA Grote.

GROTE, Bull. Buff. Soc., i, 149, 1873.

- *2585. *casta* HY. EDWARDS, Ent. Amer., iv, 114, 1890; Oreg.
SMITH, C. 296.
2586. *superba* HY. EDWARDS, Proc. Cal. Acad. Sci., vi, Cal.
139, 1875; SMITH, C. 296.
- *2587. *divinula* GROTE, Bull. Geol. Surv. Terr., iv, 183, Cal.
1878; SMITH, C. 296.
2588. *diva* GROTE, Bull. Buff. Soc., i, 150, 1873; SMITH, Cal.
C. 296.
- *2589. *pustulata* HY. EDWARDS, Pap., i, 23, 1881; SMITH, Ariz.
C. 297.
- *2590. *domina* HY. EDWARDS, Proc. Cal. Acad. Sci., vi, Cal.
138, 1875; SMITH, C. 297.
- *2591. *germana* HY. EDWARDS, Proc. Cal. Acad. Sci., Cal.
vi, 138, 1875; SMITH, C. 296.
2592. *decia* GROTE, Can. Ent., vii, 47, 1875; SMITH, Cal.
C. 296.
syn. *amicula* HY. EDWARDS.
- *2593. *depicta* GROTE, Bull. Buff. Soc., i, 159, 1873; Cal.
SMITH, C. 296.
2594. *salicis* HY. EDWARDS, Pap., i, 23, 1881; SMITH, Cal.
C. 297.
syn. *arcalis* HY. EDWARDS.
- *2595. *lithosina* HY. EDWARDS, Proc. Cal. Acad. Sci., Cal.
vi, 137, 1875; SMITH, C. 297.
2596. *mera* HARVEY, Bull. Buff. Soc., ii, 277, 1875; Cal.
SMITH, C. 297.
2597. *danistica* GROTE, Bull. Buff. Soc., i, 151, 1873; Nev.,
SMITH, C. 297. Cal.

INCITA Grote.

GROTE, Abh. nat. Ver. Brem., xiv, 112, 1895.

2598. *aurantiaca* HY. EDWARDS, Pap., i, 23, 1881; SMITH, Cal.
C. 297.

TRICHOTARACHE Grote.

GROTE, Can. Ent., vii, 48, 1875.

- *2599. *assimilis* GROTE, Can. Ent., vii, 48, 1875; SMITH, Cal.
C. 298.

EUSTROTIA Hübner.

HÜBNER, Verz. bek. Schmett., 253, 1816; *Erastria* OCHSENHEIMER (not HÜBNER).

- *2600. **malaca** GROTE, Trans. Am. Ent. Soc., iv, 296, 1873; SMITH, C. 309. Pa.
2601. **albidula** GUENÉE, Spec. Gén., vi, 230, 1852; SMITH, C. 309. Atl. States.
- *2602. **secta** GROTE, Can. Ent., xi, 199, 1879; SMITH, C. 310. Mass.
2603. **flaviguttata** GROTE, Can. Ent., xiv, 187, 1882; SMITH, C. 310. Tex.
2604. **concinimacula** GUENÉE, Spec. Gén., vi, 238, 1852; SMITH, C. 310. Atl. States.
a. parvimacula GROTE, No. Am. Ent., i, 66, 1880.
2605. **synochitis** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 357, 1868; SMITH, C. 310. Atl. States.
2606. **musta** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 358, 1868; SMITH, C. 311. Atl. States.
2607. **muscoscula** GUENÉE, Spec. Gén., vi, 230, 1852; SMITH, C. 311. Atl. States.
- *2608. **retis** GROTE, Can. Ent., xi, 198, 1879; SMITH, C. 311. Pa.
- *2609. **distincta** GROTE, Pap., ii, 184, 1882; SMITH, C. 311. Ariz.
2610. **caduca** GROTE, Can. Ent., viii, 207, 1876; SMITH, C. 311. Atl. States.
2611. **propera** GROTE, Pap., ii, 132, 184, 1882; SMITH, C. 311. Ariz.
2612. **apicosa** HAWORTH, Lep. Brit., 261, 1812; SMITH, C. 311. Atl. States.
syn. nigritula GUENÉE.
2613. **carneola** GUENÉE, Spec. Gén., vi, 228, 1852; SMITH, C. 312. Atl. States.
syn. biplaga WALKER.
- *2614. **strigularia** SMITH, Jn. N. Y. Ent. Soc., viii, 173, 1900. Fla.
- *2615. **dividua** GROTE, No. Am. Ent., i, 46, 1880; SMITH, C. 312. Tex.
2616. **æria** GROTE, Pap., i, 11, 1881; SMITH, C. 312. Wis., Ala.

2617. *includens* WALKER, Cat. Brit. Mus., xii, 813, 1857; SMITH, C. 312. No. Atl. States.
 syn. *norma* MORRISON, *pentia* MORRISON, *mariae* GROTE.

GALGULA Guenée.

GUENÉE, Spec. Gén., vi, 239, 1852.

2618. *hepara* GUENÉE, Spec. Gén., vi, 239, 1852; SMITH, C. 314. Atl. States.
 syn. *externa* WALKER.
a. partita GUENÉE, Spec. Gén., vi, 239, 1852.
 syn. *vesca* MORRISON, *subpartita* GUENÉE.

ESCARIA Grote.

GROTE, Pap., ii, 186, 1882.

2619. *clauda* GROTE, Pap., ii, 186, 1882; SMITH, C. 302. Ariz.

AZENIA Grote.

GROTE, Pap., ii, 186, 1882.

2620. *implora* GROTE, Pap., ii, 186, 1882; SMITH, C. 302. Ariz.

- *2621. *edentata* GROTE, Can. Ent., xv, 25, 1883; SMITH, C. 302. Ariz.

LITHACODIA Hübner.

HÜBNER, Verz. bek. Schmett., 205, 1816.

2622. *bellicula* HÜBNER, Zutr. exot. Schmett., f. 85, 1818; SMITH, C. 309. Atl. States, Col.

PROTHYMIA Hübner.

HÜBNER, Verz. bek. Schmett., 282, 1816.

2623. *rhodarialis* WALKER, Cat. Brit. Mus., xix, 860, 1859; SMITH, C. 307. Atl. States.

syn. *coccineifascia* GROTE.

2624. *semipurpurea* WALKER, Cat. Brit. Mus., xxxiii, 803, 1865; SMITH, C. 307. Atl. States.

syn. *confinisalis* WALKER, *rosalba* GROTE.

- *2625. *plana* GROTE, Pap., ii, 184, 1882; SMITH, C. 307. Ariz.

2626. *orgyiae* GROTE, Trans. Am. Ent. Soc., v, 116, 1875; SMITH, C. 307. Tex.

syn. *subolivacea* HARVEY.

EXYRA Grote.

GROTE, Check List Noct., 26, 1875.

2627. *semicrocea* GUENÉE, Spec. Gén., vi, 241, 1852; SMITH, C. 306. Atl. States.
2628. *ridingsii* RILEY, Trans. St. Louis Acad. Sci., iii, 240, 1874; SMITH, C. 306. So. States.
syn. *nigrocaput* MORRISON.
- *2629. *fax* GROTE, Trans. Am. Ent. Soc., iv, 295, 1873; SMITH, C. 306. So. States.
2630. *rolandiana* GROTE, Psyche, ii, 38, 1877; SMITH, C. 306. Atl. States.

XANTHOPTERA Guenée.

GUENÉE, Spec. Gén., vi, 240, 1852.

2631. *nigrofimbria* GUENÉE, Spec. Gén., vi, 241, 1852; SMITH, C. 303. So. Atl. States.
- *2632. *clausula* GROTE, Pap., ii, 186, 1882; SMITH, C. 303. Ariz.
2633. *semiflava* GUENÉE, Spec. Gén., vi, 241, 1852; SMITH, C. 303. So. States.
- *2634. *subcitrinalis* HULST, Trans. Am. Ent. Soc., xiii, 157, 1886; SMITH, C. 304. Ariz.

THALPOCHARES Lederer.

LEDERER, Verh. zool.-bot. Ges. Wien, iv, 368, 1853.

- *2635. *ætheria* GROTE, No. Am. Ent., i, 47, 1879; SMITH, C. 313. Fla.

EUMESTLETA Butler.

BUTLER, Ent., xxv, 189, 1892.

2636. *flammicincta* WALKER, Cat. Brit. Mus., xxxiii, 801, 1865; SMITH, C. 313. Tex., Fla.
syn. *patula* MORRISON, *patruelis* GROTE.
2637. *carmelita* MORRISON, Proc. Acad. Nat. Sci. Phil., 434, 1875; SMITH, C. 313. Tex., Miss., Cal.
2638. *mundula* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 460, 1872; SMITH, C. 313. Tex.
2639. *daria* DRUCE, Biol. Cent. Am., Lep. Het., ii, 497, 1898; SMITH, Proc. U. S. Nat. Mus., xxii, 490, 1900. Ariz., Mex.
- *2640. *orba* GROTE, Can. Ent., ix, 68, 1877; SMITH, C. 314. Ala.

- *2641. *fortunata* GROTE, Can. Ent., xiv, 171, 1882; Ariz.
SMITH, C. 314.
- *2642. *perita* GROTE, Can. Ent., xiv, 171, 1882; SMITH, Ariz.
C. 314.

GYROS Hy. Edwards.

HY. EDWARDS, Pap., i, 177, 1881.

- *2643. *muirii* HY. EDWARDS, Pap., i, 22, 117, 1881; Cal.
SMITH, C. 315.

TRIPUDIA Grote.

GROTE, Can. Ent., ix, 70, 1877.

2644. *flavofasciata* GROTE, Can. Ent., ix, 70, 1877; Rocky Mts.,
SMITH, C. 314. Tex., Ala.
syn. versutus HY. EDWARDS.
2645. *quadrifera* ZELLER, Verh. zool.-bot. Ges. Wien, Tex.,
xxiv, 425, 1874; SMITH, C. 315. Mo., Mex.
2646. *limbata* HY. EDWARDS, Pap., i, 22, 1881; SMITH, Tex.,
C. 315. Mex.
2647. *opipara* HY. EDWARDS, Pap., i, 117, 1881; SMITH, Tex.
C. 315.
2648. *iuda* DRUCE, Biol. Cent. Am., Lep. Het., ii, 491, Ariz.,
1898; SMITH, Proc. U. S. Nat. Mus., xxii, 489, Mex.
1900.
- *2649. *basicinerea* GROTE, Bull. Geol. Surv. Terr., vi, Ariz.
563, 1882; SMITH, C. 315.
2650. *lixivia* GROTE, Can. Ent., xiv, 173, 1882; SMITH, Ariz.
C. 315.
2651. *luxuriosa* SMITH, Proc. U. S. Nat. Mus., xxii, 490, Ariz.
1900.
2652. *balteata* SMITH, Proc. U. S. Nat. Mus., xxii, 489, Ariz.
1900.

METOPONIA Duponchel.

DUPONCHEL, Cat. Lep. Méth. Eur., iii, 45, 1844.

2653. *obtusa* HERRICH-SCHAEFFER, Samml. ausser. So. Atl.
Schmett., f. 210, 1844; SMITH, C. 316. States.
2654. *perflava* HARVEY, Bull. Buff. Soc., iii, 11, 1875; Tex.
SMITH, C. 316.
2655. *macula* SMITH, Trans. Am. Ent. Soc., xviii, 132, N. Mex.
1891; C. 316.

CHAMYRIS Guenée.

GUENÉE, Spec. Gén., vi, 225, 1852.

2656. *cerintha* TREITSCHKE, Schmett. Eur., v, 240, 1825; Atl.
SMITH, C. 301. States.

TORNACONTIA Smith.

SMITH, Trans. Am. Ent. Soc., xxvii, 55, 1900.

2657. *sutrix* GROTE, Can. Ent., xii, 154, 1880; SMITH, Rocky
C. 299. Mts.
2658. *megocula* SMITH, Trans. Am. Ent. Soc., xxvii, 58, So.
1900. Cal.

THERASEA Grote.

GROTE, Abh. nat. Ver. Brem., xiv, 118, 1895; *Conacontia* SMITH, Trans. Am. Ent.
Soc., xxvii, 55, 1900.

2659. *flavicosta* SMITH, Trans. Am. Ent. Soc., xxvii, 58, Rocky
1900. Mts.
2660. *angustipennis* GROTE, Proc. Acad. Nat. Sci. Phil., Rocky Mts.,
426, 1875; SMITH, C. 299. Cal., Tex.

TARACHE Hübner.

HÜBNER, Verz. bek. Schmett., 261, 1816.

2661. *terminimacula* GROTE, Bull. Buff. Soc., i, 153, Atl.
1873; SMITH, C. 301. States.
2662. *delecta* WALKER, Cat. Brit. Mus., xii, 799, 1857; Atl.
SMITH, C. 301. States.
syn. *metallica* GROTE.
2663. *flavipennis* GROTE, Bull. Buff. Soc., i, 153, 1873; Pac.
SMITH, C. 298. States.
2664. *abdominalis* GROTE, Can. Ent., ix, 157, 1877; Tex.,
SMITH, C. 298. Kans.
2665. *lactipennis* HARVEY, Bull. Buff. Soc., iii, 10, 1875; Tex.
SMITH, C. 300.
2666. *major* SMITH, Trans. Am. Ent. Soc., xxvii, 64, Col.
1900.
2667. *expolita* GROTE, Pap., ii, 131, 1882; SMITH, C. 298. Ariz.
2668. *lan eolata* GROTE, Can. Ent., xi, 198, 1879; SMITH, Tex.
C. 299.
- *2669. *gonella* STRECKER, Lep. Rhop. Het., suppl. 1, 11, Ariz.,
1898; SMITH, Trans. Am. Ent. Soc., xxvii, 66, N. Mex.
1900.

- *2670. *sedata* HY. EDWARDS, Pap., i, 23, 1881; SMITH, C. 300. Ariz., Tex.
2671. *nuicola* SMITH, Trans. Am. Ent. Soc., xxvii, 67, 1900. Tex.
2672. *lucasi* SMITH, Trans. Am. Ent. Soc., xxvii, 68, 1900. Cal.
2673. *biplaga* GUENÉE, Spec. Gén., vi, 218, 1852; SMITH, C. 298. So. States.
2674. *aprica* HÜBNER, Schmett. Eur., Noct., f. 371, 1803; SMITH, C. 298. So. States.
- *2675. *areli* STRECKER, Lep. Rhop. Het., suppl. 1, 11, 1898. Rocky Mts.
2676. *erastrioides* GUENÉE, Spec. Gén., vi, 218, 1852; SMITH, C. 299. Atl. States.
2677. *quadriplaga* SMITH, Trans. Am. Ent. Soc., xxvii, 72, 1900. Tex., N. Mex.
2678. *schwarzi* SMITH, Trans. Am. Ent. Soc., xxvii, 73, 1900. Ariz.
2679. *arida* SMITH, Trans. Am. Ent. Soc., xxvii, 73, 1900. Col., Ariz.
2680. *coquilletti* SMITH, Trans. Am. Ent. Soc., xxvii, 74, 1900. Cal.
2681. *neocula* SMITH, Trans. Am. Ent. Soc., xxvii, 75, 1900. N. Mex.
2682. *cretata* GROTE & ROBINSON, Trans. Am. Ent. Soc., iii, 181, 1868; SMITH, C. 300. Tex., Col.
2683. *behrii* SMITH, Trans. Am. Ent. Soc., xxvii, 76, 1900. Cal.
2684. *elegantula* HARVEY, Can. Ent., viii, 55, 1876; SMITH, C. 300. Rocky Mts.
syn. *arizonæ* HY. EDWARDS, *seminivrealis* HULST.
2685. *virginalis* GROTE, Can. Ent., xiii, 15, 1881; SMITH, C. 300. Ariz.
2686. *binocula* GROTE, Can. Ent., vii, 224, 1875; SMITH, C. 300. Ariz., Tex.
2687. *meskei* SMITH, Trans. Am. Ent. Soc., xxvii, 79, 1900. Tex.
2688. *tenuicola* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 218, 1874; SMITH, C. 299. Tex.
2689. *libedis* SMITH, Trans. Am. Ent. Soc., xxvii, 80, 1900. Col., N. Mex.

2690. *neomexicana* SMITH, Trans. Am. Ent. Soc., xxvii, 81, 1900. Tex.
2691. *candefacta* HÜBNER, Zutr. exot. Schmett., f. 587, 1823; SMITH, C. 299. Atl. States.
syn. *debilis* WALKER.
- *2692. *ardoris* HÜBNER, Zutr. exot. Schmett., f. 551, 1823; SMITH, C. 301. Ga.
- *2693. *niveicollis* SMITH, Ju. N. Y. Ent. Soc., x, 51, 1902. Cal.
- *2694. *semiatra* SMITH, Ju. N. Y. Ent. Soc., x, 52, 1902. Ariz.
- *2695. *tenuescens* SMITH, Ju. N. Y. Ent. Soc., x, 53, 1902. Fla.

FRUVA Grote.

GROTE, Can. Ent., ix, 69, 1877.

2696. *tortricina* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 461, 1872; SMITH, C. 306. Tex., Kans.
syn. *fasciatella* GROTE, *obsoleta* GROTE; SMITH, C. 302; *inornata* GROTE.
- *2697. *acerba* HY. EDWARDS, Pap., i, 24, 1881; SMITH, C. 302. Cal.
- *2698. *modesta* HY. EDWARDS, Pap., iv, 124, 1884; SMITH, C. 302. Nev.
2699. *apicella* GROTE, Trans. Am. Ent. Soc., iv, 21, 1872; SMITH, C. 302. So. States.
syn. *truncatula* ZELLER, *accepta* HY. EDWARDS.
- *2700. *parvula* WALKER, Cat. Brit. Mus., xxxiii, 779, 1865; SMITH, C. 303. Ariz.
syn. *georgica* GROTE.
- *2701. *deleta* HY. EDWARDS, Pap., iv, 124, 1884; SMITH, C. 303. Nev., Can.

SPRAGUEIA Grote.

GROTE, Check List Noct., 25, 1875.

2702. *onagrus* GUENÉE, Spec. Gén., vi, 205, 1852; SMITH, C. 304. So. States.
2703. *leo* GUENÉE, Spec. Gén., vi, 205, 1852; SMITH, C. 304. So. States.
- *2704. *magnifica* GROTE, Pap., ii, 183, 1882; SMITH, C. 304. Ariz.
2705. *plumbifimbriata* GROTE, Can. Ent., ix, 68, 1877; SMITH, C. 304. Tex.
- *2706. *obatra* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 124, 1875; SMITH, C. 304. So. States.

2707. *dama* GUENÉE, Spec. Gén., vi, 205, 1852; SMITH, C. 305. So. States.
syn. *trifariana* WALKER.
- *2708. *transmutata* WALKER, Cat. Brit. Mus., xxxiii, 776, 1865; SMITH, C. 305. Fla.
syn. *pardalis* GROTE.
2709. *funeralis* GROTE, Pap., i, 158, 1881; SMITH, C. 305. Ariz.
2710. *sordida* GROTE, Can. Ent., xiv, 217, 1882; SMITH, C. 305. Tex.
2711. *guttata* GROTE, Can. Ent., vii, 224, 1875; SMITH, C. 305. Tex.

CALLOPISTRIA Hübner.

HÜBNER, Verz. bek. Schmett., 216, 1816.

2712. *floridensis* GUENÉE, Spec. Gén., vi, 192, 1852; SMITH, C. 309. Fla.
- *2713. *strena* GROTE, Abh. nat. Ver. Brem., xiv, 119, 1895. Ariz.

METATHORASA Moore.

MOORE, Proc. Zool. Soc. Lond., 374, 1881.

- *2714. *argentina* WALKER, Cat. Brit. Mus., xii, 863, 1857; SMITH, C. 308. So. Atl. States.
2715. *monitifera* GUENÉE, Spec. Gén., vi, 295, 1852; SMITH, C. 308. Atl. States.

EUHERRICHIA Grote.

GROTE, Pap., ii, 122, 1882.

2716. *mollissima* GUENÉE, Spec. Gén., vi, 294, 1852; SMITH, C. 308. Atl. States.
syn. *rubicunda* WALKER.
- *2717. *granitosa* GUENÉE, Spec. Gén., vi, 195, 1852; SMITH, C. 308. So. States.
- *2718. *cervina* HY. EDWARDS, Ent. Amer., vi, 114, 1890; SMITH, C. 308. Cal., Col.

CYDOSIA Westwood.

WESTWOOD, Nat. Lib. Exot. Moths, xxxvii, 193, 1841; SMITH, Proc. U. S. Nat. Mus., xi, 187, 1888; *Penthetria* HY. EDWARDS, Pap., i, 80, 1881; *Tintura* KIRBY, Cat. Lep. Het., i, 86, 1892.

2719. *imitella* STRETCH, Zyg. Bomb. No. Am., i, 163, 1873; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 154, 1893; DRUCE, Biol. Cent. Am., Lep. Het., ii, 402, 1897. So. States.

2720. *aurivitta* GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 186, 1868; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 154, 1893. So. States.
2721. *majuscula* Hy. EDWARDS, Pap., i, 80, 1881; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 113, 1893; DYAR, Jn. N. Y. Ent. Soc., vi, 41, 1898. So. States.

CERATHOSIA Smith.

SMITH, Ent. Amer., iii, 79, 1887.

2722. *tricolor* SMITH, Ent. Amer., iii, 79, 1887; GROTE, Ent. Amer., iv, 121, 1888; SMITH, Ent. Amer., iv, 122, 1888; GROTE, Can. Ent., xxi, 37, 1889; SMITH, Ent. Amer., v, 8, 119, 1889; HULST, Ent. Amer., v, 118, 1889; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 155, 1893; DYAR, Psyche, viii, 154, 1897. Tex.

HORMOSCHISTA Möscher.

MÖSCHLER, Abh. Senck. Ges., 221, 1890.

2723. *pagenstecheri* MÖSCHLER, Abh. Senck. Ges., 221, 1890. Ala., Porto Rico.

PHALÆNOSTOLA Grote.

GROTE, Trans. Am. Ent. Soc., iv, 302, 1873.

2724. *larentioides* GROTE, Trans. Am. Ent. Soc., iv, 302, 1873; SMITH, C. 377. So. Atl. States.
- a. citima* GROTE, Trans. Am. Ent. Soc., iv, 303, 1873.

PANGRAPTA Hübner.

HÜBNER, Verz. bek. Schmett., 343, 1816.

2725. *decoralis* HÜBNER, Zutr. exot. Schmett., f. 93, 1818; SMITH, C. 377. Atl. States.
- syn. *geometroides* GUENÉE, *epionoides* GUENÉE, *elegantalis* FITCH, *recusans* WALKER.

SYLECTRA Hübner.

HÜBNER, Verz. bek. Schmett., 341, 1816.

2726. *erycata* CRAMER, Pap. Exot., pl. 287, f. D, 1782; SMITH, C. 376. Fla., So. Am.
- syn. *mirandalis* HÜBNER.



HYAMIA Walker.

WALKER, Cat. Brit. Mus., xvi, 234, 1858; *Spargaloma* GROTE.

2727. **sexpunctata** GROTE, Trans. Am. Ent. Soc., iv, 300, 1873; DYAR, Jn. N. Y. Ent. Soc., iv, 145, 1896. Atl. States.
2728. **perditalis** WALKER, Cat. Brit. Mus., xvi, 234, 1858; SMITH, C. 346. Atl. States.
syn. *semilineata* WALKER, *umbrifascia* GROTE.
- *2729. **punctipennis** GROTE, Can. Ent., xv, 122, 1883; SMITH, C. 376. Ariz.

MELANOMMA Grote.

GROTE, Trans. Am. Ent. Soc., v, 117, 1875; HULST, Trans. Am. Ent. Soc., xxiii, 294, 1896.

2730. **auricinctaria** GROTE, Trans. Am. Ent. Soc., v, 117, 1875; Bull. Geol. Surv. Ter., iv, 674, 1878; DYAR, Can. Ent., xxx, 257, 1898. Atl. States.

ARGILLOPHORA Grote.

GROTE, Bull. Buff. Soc., i, 124, 1873; SMITH, C. 375.

- *2731. **furcilla** GROTE, Bull. Buff. Soc., i, 124, 1873; SMITH, C. 375. Ala.

PARORA Smith.

SMITH, Proc. U. S. Nat. Mus., xxii, 49, 1900.

2732. **texana** SMITH, Proc. U. S. Nat. Mus., xxii, 491, 1900. Tex.

HOMOPYRALIS Grote.

GROTE, Proc. Acad. Nat. Soc. Phil., 213, 1874.

2733. **discalis** GROTE, Can. Ent., viii, 206, 1876; SMITH, C. 374. Atl. States.
2734. **contracta** WALKER, Can. Nat. Geol., v, 258, 1869; SMITH, C. 374. Atl. States.
syn. *zonata* WALKER, *tactus* GROTE.
2735. **tantillus** GROTE, Proc. Acad. Nat. Sci. Phil., 214, 1874; SMITH, C. 375. Atl. States.
2736. **monodia** DYAR (like *tantillus*, but blacker, nearly uniform, the lines fine, white, punctate). So. Atl. States.
2737. **miserulata** GROTE, Can. Ent., xiv, 185, 1882; SMITH, C. 375. N. Mex.

AGASSIZIA Behr.

BEHR, Trans. Am. Ent. Soc., iii, 23, 1870.

- *2738. *urbicola* BEHR, Trans. Am. Ent. Soc., iii, 23, 1870; SMITH, C. 366. Cal.

ISOGONA Guenée.

GUENÉE, Spec. Gén., vii, 322, 1852; *Entoreuma* GROTE.

- *2739. *natatrix* GUENÉE, Spec. Gén., vii, 323, 1852; SMITH, C. 365. So. Atl. States.
syn. *tenuis* GROTE, Trans. Am. Ent. Soc., iv, 22, 1872.

HYPBOROPHA Hübner.

HÜBNER, Verz. bek. Schmett., 249, 1816.

2740. *monilis* FABRICIUS, Spec. Ins., ii, 219, 1782; SMITH, C. 260. So. States.
2741. *hormos* HÜBNER, Zutr. exot. Schmett., f. 27, 1818; SMITH, C. 260. So. Atl. States.

HYBLÆA Fabricius.

FABRICIUS, Ent. Syst., iii, 2, 127, 1793.

2742. *puera* CRAMER, Pap. Exot., pl. 103, f. D, 1779; SMITH, C. 316. Fla., Antilles.
syn. *saga* FABRICIUS, *mirificum* STRECKER.

Subfamily CATOCALINÆ.

CISSURA Walker.

WALKER, Cat. Brit. Mus., ix, 153, 1856; *Synedoida* HY. EDWARDS.

2743. *spadix* CRAMER, Pap. Exot., pl. 275, f. F, 1780; SMITH, C. 320. Tex.
syn. *vegeta* MORRISON; SMITH, C. 207, 320.
*2744. *mucronata* GROTE, Can. Ent., xv, 121, 1883; SMITH, C. 321. Ariz.
2745. *inepta* HY. EDWARDS, Pap., i, 27, 1881; SMITH, C. 321. Col.
syn. *morbosa* HY. EDWARDS.
*2746. *biformata* HY. EDWARDS, Pac. Coast Lep., no. 29, 9, 1878; SMITH, C. 321. Cal.
2747. *scropulosa* HY. EDWARDS, Pac. Coast Lep., no. 29, 9, 1878; SMITH, C. 321. Col., Cal.

2748. *insperata* GROTE, Can. Ent., xiv, 176, 1882; Ariz.
SMITH, C. 321.
2749. *ægrotata* HY. EDWARDS, Pap., iv, 47, 1884; Ariz.
SMITH, C. 321.
2750. *sabulosa* HY. EDWARDS, Pap., i, 26, 1881; SMITH, Col.
C. 321.
- *2751. *cervina* HY. EDWARDS, Pap., ii, 129, 1882; SMITH, Ariz.
C. 320.
2752. *subtermina* SMITH, Proc. U. S. Nat. Mus., xxii, Cal.
492, 1900.

ULOSYNEDA Smith.

Differs from *Cissura* by the plump woolly body, woolly thoracic vestiture, short weak legs, shorter palpi, narrower primaries and pectinated male antennæ; allied with *Cœnurgia*.—JOHN B. SMITH.

2753. *valens* HY. EDWARDS, Pap., i, 119, 1881; SMITH, Utah,
C. 321. Col.

DRASTERIA Hübner.

HÜBNER, Verz. bek. Schmett., 280, 1816.

2754. *erechtea* CRAMER, Pap. Exot., pl. 275, f. E, 1782; Atl. States,
SMITH, C. 316. Col.
syn. *sobria* WALKER, *narrata* WALKER, *patibilis*
WALKER, *agricola* GROTE & ROBINSON, *mun-*
dula GROTE & ROBINSON.
2755. *crassiuscula* HAWORTH, Lep. Brit., 259, 1810; Atl. States,
SMITH, C. 317. Col.
syn. *erichto* GUENÉE.
a. ochrea GROTE, Bull. Buff. Soc., i, 155, 1873.
b. distincta NEUMOEGEN, Pap., iii, 143, 1883.
2756. *cærulea* GROTE, Bull. Buff. Soc., i, 155, 1873; Pac.
SMITH, C. 318. States.
- syn. *aquamarina* FELDER.
2757. *conspicua* SMITH, Can. Ent., xxxii, 224, 1900. Alberta.

CÆNURGIA Walker.

WALKER, Cat. Brit. Mus., xiv, 1491, 1858; *Litosea* GROTE.

2758. *convalescens* GUENÉE, Spec. Gén., vii, 289, 1852; Atl.
SMITH, C. 318. States.
syn. *socors* WALKER, *purgata* WALKER.
2759. *adversa* GROTE, Can. Ent., vii, 49, 1875; SMITH, Cal.
C. 318.

EUCLIDIA Oehsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 96, 1816.

2760. *cuspidata* HÜBNER, Zutr. exot. Schmett., f. 69, 1818; SMITH, C. 319. Atl. States.
- *2761. *annexa* HY. EDWARDS, Ent. Amer., vi, 115, 1890; SMITH, C. 319. Oreg.
2762. *intercalcaris* GROTE, Bull. Geol. Surv. Terr., vi, 563, 1882; SMITH, C. 319. N. Mex.
2763. *diagonalis* DYAR, Jn. N. Y. Ent. Soc., vi, 41, 1898. N. Mex.

PANULA Guenée.

GUENÉE, Spec. Gén., vii, 59, 1852.

2764. *inconstans* GUENÉE, Spec. Gén., vii, 59, 1852; SMITH, C. 320. So. States.
- *2765. *remigipila* GUENÉE, Spec. Gén., vii, 60, 1852; SMITH, C. 320. Fla. †

MELIOPOTIS Hübner.

HÜBNER, Verz. bek. Schmett., 260, 1816.

2766. *fasciolaris* HÜBNER, Zutr. exot. Schmett., f. 443, 1823; SMITH, C. 326. So. States? Antilles.
syn. *lunaris* GUENÉE.
2767. *nigrescens* GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 20, 1866; SMITH, C. 326. Tex., Col.
syn. *ochreipennis* HARVEY.
2768. *pallescens* GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 21, 1866; SMITH, C. 327. Tex., Col.
2769. *limbolaris* GEYER, Zutr. exot. Schmett., f. 689, 1825; SMITH, C. 327. Atl. States.
syn. *grandirena* HAWORTH.
- *2770. *tenella* HY. EDWARDS, Pap., i, 26, 1881; SMITH, C. 328. Tex.
- *2771. *stygialis* GROTE, Bull. Geol. Surv., iv, 184, 1878; SMITH, C. 328. Ill., Tex.
- *2772. *versabilis* HARVEY, Can. Ent., ix, 94, 1877; SMITH, C. 328. Tex.
2773. *perlæta* HY. EDWARDS, Pap., ii, 14, 1882; SMITH, C. 327. Ariz.

2774. *jucunda* HÜBNER, Zutr. exot. Schmett., f. 81, 1818; SMITH, C. 328. Atl. States,
Col.
syn. *cinis* GUENÉE, *agrotipennis* HARVEY,
hadeniformis BEHR, Trans. Am. Ent. Soc.,
iii, 25, 1870; SMITH, C. 327.

2775. *sinualis* HARVEY, Can. Ent., ix, 94, 1877; SMITH,
C. 328. Tex.

HYPOGRAMMA Guenée.

GUENÉE, Spec. Gén., vii, 34, 1852.

- *2776. *andromedæ* GUENÉE, Spec. Gén., vii, 84, 1852; SMITH, C. 328. Ga.

CIRRHBOLINA Grote.

GROTE, Trans. Am. Ent. Soc., v, 117, 1875.

2777. *deducta* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 220, 1874; SMITH, C. 325. Tex.

syn. *pavitensis* MORRISON.

2778. *mexicana* BEHR, Trans. Am. Ent. Soc., iii, 27, 1870; SMITH, C. 325. S.-W.
U. S.

syn. *incandescens* GROTE.

a. vulpina HY. EDWARDS, Pap., ii, 14, 1882.

- *2779. *perfecta* HY. EDWARDS, Pap., iv, 46, 1884; SMITH, C. 326. Ariz.

- *2780. *tetrica* HY. EDWARDS, Pac. Coast Lep., no. 29, 10, 1878; SMITH, C. 326. Cal.

SYNEDA Guenée.

GUENÉE, Spec. Gén., vii, 71, 1852.

2781. *graphica* HÜBNER, Zutr. exot. Schmett., f. 11, 1818; SMITH, C. 322. Atl.
States.

syn. *capticola* WALKER.

a. media MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 125, 1875.

2782. *divergens* BEHR, Trans. Am. Ent. Soc., iii, 27, 1870; SMITH, C. 323. Cal.

- *2783. *petricola* WALKER, Cat. Brit. Mus., xiv, 1462, 1858; SMITH, C. 323. Rocky
Mts.

2784. *alleni* GROTE, Can. Ent., ix, 215, 1877; SMITH, C. 323. No. Atl.
States, Col.

syn. *saxea* HY. EDWARDS.

2785. *adumbrata* BEHR, Trans. Am. Ent. Soc., iii, 27, 1870; SMITH, C. 323. Cal.,
Rocky Mts

2786. *seposita* HY. EDWARDS, Pap., i, 25, 1881; SMITH, C. 323. Col., Utah.
2787. *socia* BEHR, Trans. Am. Ent. Soc., iii, 27, 1870; SMITH, C. 323. Cal., Col.
2788. *ochracea* BEHR, Trans. Am. Ent. Soc., iii, 25, 1870; SMITH, C. 324. Cal.
- *2789. *mirifica* HY. EDWARDS, Pac. Coast Lep., no. 29, 8, 1878; SMITH, C. 324. Nev.
2790. *tejonica* BEHR, Trans. Am. Ent. Soc., iii, 26, 1870; SMITH, C. 324. Cal., Col.
2791. *ingeniculata* MORRISON, Proc. Acad. Nat. Sci. Phil., 435, 1875; SMITH, C. 325. Tex.
2792. *hastingsii* HY. EDWARDS, Pac. Coast Lep., no. 29, 8, 1878; SMITH, C. 324. Oreg., Cal.
a. perpallida HY. EDWARDS, Pap., i, 25, 1881.
- *2793. *maculosa* BEHR, Trans. Am. Ent. Soc., iii, 26, 1870; SMITH, C. 324. Cal.
- *2794. *faceta* HY. EDWARDS, Pap., i, 119, 1881; SMITH, C. 324. Fla.
2795. *howlandii* GROTE, Proc. Ent. Soc. Phil., iii, 533, 1864; SMITH, C. 324. Rocky Mts., Cal.
syn. stretchii BEHR.
2796. *edwardsii* BEHR, Trans. Am. Ent. Soc., iii, 28, 1870; SMITH, C. 325. Cal.
- *2797. *nubicola* BEHR, Trans. Am. Ent. Soc., iii, 25, 1870; SMITH, C. 324. Cal.
- *2798. *perplexa* HY. EDWARDS, Pap., iv, 47, 1884; SMITH, C. 325. Ariz.
- *2799. *hudsonica* GROTE & ROBINSON, Proc. Ent. Soc. Phil., iv, 494, 1865; SMITH, C. 322. Can., Mont.
- *2800. *athabasca* NEUMOEGER, Pap., iii, 143, 1883; SMITH, C. 322. B. C.
- *2801. *occulta* HY. EDWARDS, Pap., i, 118, 1881; SMITH, C. 323. Tex.
- *2802. *fumosa* STRECKER, Lep. Rhop. Het., suppl. 1, 12, 1898. Ariz.
- *2803. *flavofasciata* STRECKER, Lep. Rhop. Het., suppl. 1, 12, 1898. Ariz.
- *2804. *nigromarginata* STRECKER, Lep. Rhop. Het., suppl. 1, 11, 1898. Ariz.
- *2805. *decepta* STRECKER, Lep. Rhop. Het., suppl. 1, 11, 1898. Col.

CATOCALA Schrank.

SCHRANK, FAUN. BOICA, II, 2, 158, 1802.

2806. *epione* DRURY, Ill. Exot. Ent., i, 46, 1773; SMITH, C. 347. Atl. States.
2807. *sappho* STRECKER, Lep. Rhop. Het., 95, 1874; SMITH, C. 352. So. States, Ill.
2808. *agrippina* STRECKER, Lep. Rhop. Het., 95, 1874; SMITH, C. 352. So. States.
- *2809. *subviridis* HARVEY, Can. Ent., ix, 193, 1877; SMITH, C. 353. Tex.
2810. *lacrymosa* GUENÉE, Spec. Gén., vii, 93, 1852; SMITH, C. 352. Atl. States.
a. ulalume STRECKER, Lep. Rhop. Het., 132, 1877; SMITH, C. 352.
b. paulina HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 54, 1880.
c. emilia HY. EDWARDS, Pap., i, 117, 1881.
d. evelina FRENCH, Pap., i, 110, 1881.
e. zelica FRENCH, Pap., i, 111, 1881.
2811. *viduata* GUENÉE, Spec. Gén., vii, 94, 1852; SMITH, C. 352. So. Atl. States.
 syn. *mestosa* HULST, *guenéei* GROTE.
- *2812. *moderna* GROTE, Can. Ent., xxxii, 191, 1900. Tex.
2813. *vidua* SMITH & ABBOT, Lep. Ins. Ga., ii, 181, 1797; SMITH, C. 351. Atl. States.
 syn. *desperata* GUENÉE.
- *2814. *dejecta* STRECKER, Bull. Brook. Ent. Soc., ii, 97, 1880; SMITH, C. 351. So. Atl. States.
2815. *relecta* GROTE, Trans. Am. Ent. Soc., iv, 4, 1872; SMITH, C. 351. Atl. States.
a. luctuosa HULST, Bull. Brook. Ent. Soc., vii, 32, 53, 1884.
2816. *febilis* GROTE, Trans. Am. Ent. Soc., iv, 4, 1872. Atl. States.
2817. *robinsonii* GROTE, Trans. Am. Ent. Soc., iv, 20, 1872; SMITH, C. 351. Atl. States.
a. curvata FRENCH, Pap., i, 218, 1881.
- *2818. *barnesii* FRENCH, Can. Ent., xxxii, 190, 1900. Tex.
2819. *obscura* STRECKER, Lep. Rhop. Het., 19, 1873; SMITH, C. 353. Atl. States.
a. simulatilis GROTE, Trans. Am. Ent. Soc., v, 95, 1873.

2820. *residua* GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 242, 1874; SMITH, C. 353. Atl. States.
2821. *insolabilis* GUENÉE, Spec. Gén., vii, 94, 1852; SMITH, C. 353. Atl. States.
2822. *angusi* GROTE, Can. Ent., viii, 229, 1876; SMITH, C. 353. Atl. States.
a. lucetta HY. EDWARDS, French, Cat. Ill., 4, 1882.
2823. *judith* STRECKER, Lep. Rhop. Het., 95, 1874; SMITH, C. 350. Atl. States.
syn. *levettei* GROTE.
a. miranda HY. EDWARDS, Pap., i, 118, 1881.
2824. *tristis* EDWARDS, Proc. Ent. Soc. Phil., ii, 511, 1864; SMITH, C. 347. Atl. States.
- *2825. *elda* BEHRENS, Can. Ent., xix, 199, 1887; SMITH, C. 347. Oreg.
2826. *relicta* WALKER, Cat. Brit. Mus., xiii, 1192, 1857; SMITH, C. 346. Atl. States.
a. bianca HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 54, 1880. Oreg., Col.
b. phrynia HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 54, 1880.
2827. *cara* GUENÉE, Spec. Gén., vii, 87, 1852; SMITH, C. 344. Atl. States.
a. sylvia HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 57, 1880.
b. carissima HULST, Bull. Brook. Ent. Soc., ii, 97, 1880.
2828. *amatrix* HÜBNER, Samml. exot. Schmett., ii, 1810; SMITH, C. 344. Atl. States, Col.
a. nurus WALKER, Cat. Brit. Mus., xiii, 1195, 1857; SMITH, C. 345.
2829. *marmorata* EDWARDS, Proc. Ent. Soc. Phil., ii, 508, 1864; SMITH, C. 340. U. S.
2830. *concupens* WALKER, Cat. Brit. Mus., xiii, 1198, 1857; SMITH, C. 344. Atl. States.
a. diana HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 57, 1880.
b. hillii GROTE, Pap., iii, 43, 1883.
2831. *californica* EDWARDS, Proc. Ent. Soc. Phil., ii, 509, 1864; SMITH, C., 343. Cal.
a. perdita HY. EDWARDS, Strecker, Lep. Rhop. Het., 100, 1874.
b. cleopatra HY. EDWARDS, Strecker, Lep. Rhop. Het., 99, 1874.

- *2832. *frenchii* POLING, Can. Ent., xxxiii, 125, 1901. B. C.
- *2833. *jessica* HY. EDWARDS, Pac. Coast Lep., no. 25, Cal.
1877; SMITH, C. 341.
- *2834. *hippolyta* HY. EDWARDS, Proc. Cal. Acad. Sci., Cal.
vi, 211, 1875; SMITH, C. 341.
- *2835. *portia* HY. EDWARDS, Bull. Brook. Ent. Soc., ii, Cal.
94, 1880; SMITH, C. 341.
2836. *luciana* HY. EDWARDS, Strecker, Lep. Rhop. Col., Kans.,
Het., 99, 1874; SMITH, C. 343. Neb.
syn. *nebraskæ* DODGE.
a. somnus DODGE, Can. Ent., xii, 40, 1881.
- *2837. *babayaga* STRECKER, Pap., iv, 73, 1884; SMITH, Ariz.
C. 346.
2838. *arizonæ* GROTE, Can. Ent., v, 163, 233, 1873; Ariz.
SMITH, C. 345.
- *2838. 1. *texanæ* FRENCH, Can. Ent., xxxiv, 98, 1902. Tex.
2839. *aspasia* STRECKER, Lep. Rhop. Het., 94, 1874; Col.
SMITH, C. 345.
a. sara FRENCH, Can. Ent., xv, 163, 1883.
2840. *walshii* EDWARDS, Proc. Ent. Soc. Phil., ii, 509, Tex.
1864; SMITH, C. 345.
- *2841. *junctura* WALKER, Cat. Brit. Mus., xiii, 1196, Atl.
1857; SMITH, C. 345. States.
- *2842. *cassandra* HY. EDWARDS, Proc. Cal. Acad. Sci., Col.
vi, 214, 1875; SMITH, C. 345.
2843. *stretchii* BEHR, Trans. Am. Ent. Soc., iii, 24, 1870; Cal.
SMITH, C. 341.
- *2844. *augusta* HY. EDWARDS, Proc. Cal. Acad. Sci., Cal.
vi, 184, 1875; SMITH, C. 341.
- *2845. *rosalinda* HY. EDWARDS, Bull. Brook. Ent. Soc., Col.,
iii, 55, 1880; SMITH, C. 341. Kans.
2846. *pura* HULST, Bull. Brook. Ent. Soc., ii, 96, 1880; Rocky
SMITH, C. 341. Mts.
- *2847. *semirelieta* GROTE, Sixth Rept. Peab. Acad. Sci., Atl.
35, 1874; SMITH, C. 342. States.
2848. *unijuga* WALKER, Cat. Brit. Mus., xiii, 1194, Atl.
1857; SMITH, C. 340. States.
- *2849. *beaniana* GROTE, Can. Ent., x, 195, 1878; SMITH, Atl.
C. 341. States.
2850. *meskei* GROTE, Can. Ent., vi, 161, 233, 1873; Atl.
SMITH, C. 340. States.

2851. *mariana* HY. EDWARDS, Strecker, Lep. Rhop. Het., 99, 1874; SMITH, C. 342. Cal.
a. francesca HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 57, 1880.
2852. *groteiana* BAILEY, No. Am. Ent., i, 21, 1879; SMITH, C. 342. Atl. States.
2853. *hermia* H. EDWARDS, Bull. Brook. Ent. Soc., ii, 93, 1880; SMITH, C. 343. Col., N. Mex.
2854. *briseis* EDWARDS, Proc. Ent. Soc. Phil., ii, 508, 1864; SMITH, C. 342. Atl. States.
2855. *faustina* STRECKER, Lep. Rhop. Het., 21, 1873; SMITH, C. 341. Cal., Col.
a. zillaha STRECKER, Lep. Rhop. Het., 129, 1877.
b. verecunda HULST, Bull. Brook. Ent. Soc., vii, 45, 1884.
c. allusa HULST, Bull. Brook. Ent. Soc., vii, 45, 1884.
2856. *irene* BEHR, Trans. Am. Ent. Soc., iii, 24, 1870; SMITH, C. 343. Cal., Col.
a. virgilia HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 56, 1880.
b. volumnia HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 56, 1880.
c. valeria HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 56, 1880.
2857. *parta* GUENÉE, Spec. Gén., vii, 84, 1852; SMITH, C. 340. Atl. States.
a. perplexa STRECKER, Lep. Rhop. Het., 38, 1874.
b. petulans HULST, Bull. Brook. Ent. Soc., vii, 43, 1884.
2858. *coccinata* GROTE, Trans. Am. Ent. Soc., iv, 6, 1872; SMITH, C. 338. Atl. States.
a. sinuosa GROTE, Bull. Brook. Ent. Soc., i, 77, 1879.
2859. *circe* STRECKER, Lep. Rhop. Het., 121, 1876; SMITH, C. 338. Tex.
2860. *aholibah* STRECKER, Lep. Rhop. Het., 72, 1874; SMITH, C. 339. Pac. States, Col.
- *2861. *chiricahua* POLING, Can. Ent., xxxiii, 127, 1901. Ariz.
- *2862. *violenta* HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 58, 1880; SMITH, C. 337. Col.

2863. *verilliana* GROTE, Can. Ent., vii, 185, 1875; Rocky
SMITH, C. 337. Mts.
- a. ophelia* HY. EDWARDS, Bull. Brook. Ent. Soc.,
ii, 95, 1880.
- b. votiva* HULST, Bull. Brook. Ent. Soc., vii, 41,
1884.
2864. *ultronia* HÜBNER, Zutr. exot. Schmett., f. 347. Atl. States,
1818; SMITH, C. 338. Col.
- a. celia* HY. EDWARDS, Bull. Brook. Ent. Soc.,
iii, 58, 1880.
- b. mopsa* HY. EDWARDS, Bull. Brook. Ent. Soc.,
iii, 58, 1880.
- c. adriana* HY. EDWARDS, Bull. Brook. Ent.
Soc., iii, 57, 1880.
- d. herodias* STRECKER, Lep. Rhop. Het., 121,
1876.
2865. *ilia* CRAMER, Pap. Exot., pl. 33, f. B, 1779; Atl.
SMITH, C. 339. States.
- a. zoe* BEHR, Trans. Am. Ent. Soc., iii, 24, 1870.
- b. uxor* GUENÉE, Spec. Gén., vii, 92, 1852;
SMITH, C. 339.
- syn. *umbrosa* WORTHINGTON, *confusa* WORTH-
INGTON, *decorata* WORTHINGTON, *obsoleta*
WORTHINGTON, *duplicata* WORTHINGTON,
conspicua WORTHINGTON.
- c. osculata* HULST, Bull. Brook. Ent. Soc., vii,
43, 1884.
2866. *innubens* GUENÉE, Spec. Gén., vii, 98, 1852; Atl.
SMITH, C. 348. States.
- a. flavidalis* GROTE, Trans. Am. Ent. Soc., v, 95,
1874; SMITH, C. 349.
- b. hinda* FRENCH, Pap., i, 111, 1881.
- c. scintillans* GROTE, Proc. Ent. Soc. Phil., vi,
28, 1866.
2867. *nebulosa* EDWARDS, Proc. Ent. Soc. Phil., ii, Atl.
510, 1864; SMITH, C. 350. States.
2868. *piatrix* GROTE, Proc. Ent. Soc. Phil., iii, 88, Atl.
1865; SMITH, C. 350. States.
2869. *dionyza* HY. EDWARDS, Pap., iv, 124, 1884; Ariz.
SMITH, C. 350.
2870. *neogama* SMITH & ABBOT, Lep. Ins. Ga., ii, 175, Atl.
1797; SMITH, C. 349. States.
- a. communis* GROTE, Trans. Am. Ent. Soc., iv,
9, 1872.
- b. snoviana* GROTE, List. Noct., 41, 1876; SMITH,
C. 350.

2871. *subnata* GROTE, Proc. Ent. Soc. Phil., iii, 326, 1865; SMITH, C. 350. Atl. States.
2872. *cerogama* GUENÉE, Spec. Gén., vii, 96, 1852; SMITH, C. 337; DYAR, Can. Ent., xxvi, 21, 1894. Atl. States.
syn. *aurella* FISCHER, *eliza* FISCHER.
a. bunkerii GROTE, Can. Ent., viii, 230, 1876.
2873. *palæogama* GUENÉE, Spec. Gén., vii, 97, 1852; SMITH, C. 349. Atl. States.
a. annida FAGER, Can. Ent., xiv, 120, 1882.
b. phalanga GROTE, Proc. Ent. Soc. Phil., iii, 86, 1865.
2874. *consors* SMITH & ABBOT, Lep. Ins. Ga., ii, 177, 1797; SMITH, C. 336. So. Atl. States.
2875. *muliercula* GUENÉE, Spec. Gén., vii, 97, 1852; SMITH, C. 348. Atl. States.
a. permanans HULST, Bull. Brook. Ent. Soc., vii, 50, 1884.
2876. *delilah* STRECKER, Lep. Rhop. Het., 96, 1874; SMITH, C. 337. Ill., Tex., Ariz.
syn. *adoptiva* GROTE.
- *2877. *desdemona* HY. EDWARDS, Pap., ii, 15, 1882; SMITH, C. 337. Ariz.
- *2878. *calphurnia* HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 59, 1880; SMITH, C. 337. Kans.
2879. *adromache* HY. EDWARDS, Ent. Amer., i, 50, 1885; SMITH, C. 336. Cal.
2880. *frederici* GROTE, Trans. Am. Ent. Soc., iv, 14, 1872; SMITH, C. 336. Tex., N. Mex., Col.
2881. *illecta* WALKER, Cat. Brit. Mus., xiii, 1205, 1857; SMITH, C. 336; BEUTENMÜLLER, Jn. N. Y. Ent. Soc., ix, 189, 1902. Ill., Neb., Tex.
syn. *magdalena* STRECKER.
2882. *serena* EDWARDS, Proc. Ent. Soc. Phil., ii, 510, 1864; SMITH, C. 348. Atl. States.
2883. *amestris* STRECKER, Lep. Rhop. Het., 96, 1874; SMITH, C. 336. Miss. Val.
syn. *anna* GROTE.
a. wescottii GROTE, Can. Ent., x, 195, 1878.
2884. *antinympa* HÜBNER, Verz. bek. Schmett., 278, 1816; SMITH, C. 347. Atl. States.

2885. *badia* GROTE & ROBINSON, Proc. Ent. Soc. Phil.,
vii, 22, 1868; SMITH, C. 348. Atl.
States.
2886. *cœlebs* GROTE, Trans. Am. Ent. Soc., v, 96, 1874;
SMITH, C. 348. Can.
a. phœbe HY. EDWARDS, Pap., iv, 125, 1884.
2887. *habilis* GROTE, Trans. Am. Ent. Soc., iv, 11, 1872;
SMITH, C. 348. Atl.
States.
a. basalis GROTE, Can. Ent., viii, 230, 1876.
2888. *clintonii* GROTE, Proc. Ent. Soc. Phil., iii, 89, 1865;
SMITH, C. 335. Atl.
States.
a. helene PILATE, Pap., ii, 31, 1882.
2889. *abbreviatella* GROTE, Trans. Am. Ent. Soc., iv,
14, 1872; SMITH, C. 335. Miss.
Val.
2890. *whitneyi* DODGE, Can. Ent., vi, 125, 1874; SMITH,
C. 375. Ohio,
Neb.
2891. *nuptialis* WALKER, Cat. Brit. Mus., iii, 1206, 1857;
SMITH, C. 335. Miss.
Val.
syn. myrrha STRECKER.
2892. *polygama* GUENÉE, Spec. Gén., vii, 105, 1852;
SMITH, C. 332. Atl.
States.
syn. blandula HULST; SMITH, C. 335.
a. cratægi SAUNDERS, Can. Ent., viii, 72, 1876;
SMITH, C. 334.
b. mira GROTE, Can. Ent., viii, 230, 1876.
2893. *pretiosa* LINTNER, Can. Ent., viii, 121, 1876;
SMITH, C. 334. N. Y.
2894. *amasia* SMITH & ABBOT, Lep. Ins. Ga., ii, 178,
1797; SMITH, C. 333. Atl.
States.
syn. sancta HULST; SMITH, C. 334.
a. virens FRENCH, Can. Ent., xviii, 162, 1886.
- *2895. *cordelia* HY. EDWARDS, Bull. Brook. Ent. Soc.,
iii, 59, 1880; SMITH, C. 334. Tex.,
Fla.
2896. *chelidonia* GROTE, Pap., i, 159, 1881; SMITH, C.
333. Ariz.
2897. *similis* EDWARDS, Proc. Ent. Soc. Phil., ii, 511,
1864; SMITH, C. 333. Atl.
States.
syn. formula GROTE.
a. aholah STRECKER, Lep. Rhop. Het., 96, 1874.
b. isabella HY. EDWARDS, Bull. Brook. Ent. Soc.,
iii, 60, 1880.

2898. *fratercula* GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 24, 1866; SMITH, C. 332 (as *micro-nymphula* GUENÉE). Atl. States, Ariz., Col., Cal.
- a. atarah* STRECKER, Lep. Rhop. Het., 97, 1874.
- b. jaquenetta* HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 60, 1880.
- c. ouwah* POLING, Can. Ent., xxxiii, 128, 1901.
- d. timandra* HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 60, 1880.
- e. hero* HY. EDWARDS, Pap., iv, 125, 1874.
- f. gisela* MEYER, Bull. Brook. Ent. Soc., ii, 96, 1880.
- *2899. *olivia* HY. EDWARDS, Bull. Brook. Ent. Soc., ii, 95, 1880; SMITH, C. 331. Tex.
2900. *præclara* GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 25, 1866; SMITH, C. 332. Atl. States.
2901. *dulciola* GROTE, Pap., i, 5, 1881; SMITH, C. 334. Ohio, Ill.
2902. *grynea* CRAMER, Pap. Exot., iii, pl. 208, f. H, 1782; SMITH, C. 332. Atl. States.
- a. constans* HULST, Bull. Brook. Ent. Soc., vii, 37, 1884.
- *2903. *alabamæ* GROTE, Proc. Acad. Nat. Sci. Phil., 427, 1875; SMITH, C. 332. Ala.
- *2904. *titania* DODGE, Ent. News, xi, 472, 1900. Mo.
2905. *gracilis* EDWARDS, Proc. Ent. Soc. Phil., ii, 511, 1864; SMITH, C. 331. Atl. States.
- a. sordida* GROTE, Can. Ent., ix, 170, 1877.
2906. *minuta* EDWARDS, Proc. Ent. Soc. Phil., ii, 512, 1864; SMITH, C. 331. Atl. States.
- a. parvula* EDWARDS, Proc. Ent. Soc. Phil., ii, 512, 1864.
- b. mellitula* HULST, Bull. Brook. Ent. Soc., vii, 35, 1884.
2907. *amica* HÜBNER, Zutr. exot. Schmett., f. 27, 1818; SMITH, C. 330. Atl. States.
- syn. *androphila* GUENÉE.
- a. lineella* GROTE, Trans. Am. Ent. Soc., iv, 18, 1872.
- b. nerissa* HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 61, 1880.
- *2908. *jair* STRECKER, Ent. News, viii, 116, 1897. Fla.

ALLOTRIA Hübner.

HÜBNER, Verz. bek. Schmett., 280, 1816.

2909. *elonympha* HÜBNER, Zutr. exot. Schmett., i, f. 29, 1818; SMITH, C. 330. Atl. States.

ANDREWSIA Grote.

GROTE, New Check List, 41, 1882.

2910. *messalina* GUENÉE, Spec. Gén., vii, 107, 1852; SMITH, C. 330. So. Miss. Vall.
syn. *belfragiana* HARVEY, *jocasta* STRECKER.

EUPARTHENOS Grote.

GROTE, Ann. N. Y. Lyc. Nat. Hist., xi, 301, 1876.

2911. *nubilis* HÜBNER, Samml. exot. Schmett., ii, 1816; SMITH, C. 330. Atl. States, Ariz.
a. apache POLING, Can. Ent., xxxiii, 129, 1901.

HYPOCALA Guenée.

GUENÉE, Spec. Gén., vii, 73, 1852.

2912. *andremona* CRAMER, Pap. Exot., iv, pl. 358, f. C, 1782; MEYRICK, Faun. Haw., i, 159, 1899. Tex., So. Am.
syn. *hillii* LINTNER, Ent. Cont., iv, 103, 1878; SMITH, C. 318.

LITOCALA Harvey.

HARVEY, Bull. Buff. Soc., ii, 280, 1875.

2913. *sexsignata* HARVEY, Bull. Buff. Soc., ii, 280, 1875; SMITH, C. 322. Rocky Mts., Cal.
a. deserta HY. EDWARDS, Pap., i, 25, 1881.

TOXOCAMPA Guenée.

GUENÉE, Ann. Soc. Ent. Fr., x, 75, 1841.

2914. *victoria* GROTE, Bull. Buff. Soc., ii, 163, 1874; SMITH, C. 355. No. U. S., Cal.

PHOBERIA Hübner.

HÜBNER, Verz. bek. Schmett., 267, 1816.

2915. *atomaris* HÜBNER, Zutr. exot. Schmett., f. 75, 1818; SMITH, C. 355. Atl. States.
syn. *orthosiodes* GUENÉE, *forrigens* WALKER, *ingenua* WALKER.

- *2916. *indiscreta* HY. EDWARDS, Ent. Amer., ii, 170, 1866; SMITH, C. 355. Cal.

HOMOPHOBERIA Morrison.

MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 125, 1875.

- *2917. *cristata* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 125, 1875; SMITH, C. 355. N. J. ?

SIAVANA Walker.

WALKER, Cat. Brit. Mus., xiii, 1009, 1857; *Harveya* GROTE.

2918. *repanda* WALKER, Cat. Brit. Mus., xiii, 1009, 1857; SMITH, C. 361. So. States.
syn. *auripennis* GROTE.

PALINDIA Guenée.

GUENÉE, Spec. Gén., vi, 274, 1852.

2919. *domicata* GUENÉE. Spec. Gén., vi, 276, 1852; SMITH, C. 361. Tex., So. Am.
*2919. 1. *merricki* HOLLAND, Ent. News, xiii, 172, 1902. Pa.

PANAPODA Guenée.

GUENÉE, Spec. Gén., vii, 324, 1852.

2920. *rufimargo* HÜBNER, Zutr. exot. Schmett., f. 45, 1818; SMITH, C. 361. Atl. States.
syn. *rubricosta* GUENÉE, *crossonii* GROTE.
a. carneicosta GUENÉE, Spec. Gén., vii, 325, 1852.
syn. *scissa* WALKER, *combinata* WALKER.
b. roseicosta GUENÉE, Spec. Gén., vii, 325, 1852.

PARALLELIA Hübner.

HÜBNER, Verz. bek. Schmett., 269, 1816.

2921. *bistriaris* HÜBNER, Zutr. exot. Schmett., f. 63, 1818; SMITH, C. 360. Atl. States.
syn. *amplissima* WALKER.

AGNOMONIA Hübner.

HÜBNER, Zutr. Exot. Schmett., iii, 10, 1823.

2922. *anilis* DRURY, Ill. Exot. Ent., ii, 21, 1797; SMITH, C. 360. So. Atl. States.
syn. *sesquistriaris* HÜBNER.

REMIGIA Guenée.

GUENÉE, Spec. Gén., vii, 313, 1852.

2923. **repanda** FABRICIUS, Ent. Syst., iii, 133, 1793. Atl. States,
 syn. *latipes* GUENÉE, *perlata* WALKER, *indentata* HARVEY, *texana* MORRISON. So. Am.
- a. disseverans* WALKER, Cat. Brit. Mus., xiv, 1495, 1858.
- b. marcida* GUENÉE, Spec. Gén., vii, 317, 1852.
 syn. *hexastylus* HARVEY.

GRAMMODES Guenée.

GUENÉE, Spec. Gén., vii, 275, 1852.

2924. **smithii** GUENÉE, Spec. Gén., vii, 266, 1852; So. States.
 SMITH, C. 319.
2925. **similis** GUENÉE, Spec. Gén., vii, 267, 1852; So. States.
 SMITH, C. 319.
- a. apicalis* GUENÉE, Spec. Gén., vii, 267, 1852.
2926. **consobrina** GUENÉE, Spec. Gén., vii, 268, 1852; So. States.
 SMITH, C. 319.

EPIDROMIA Guenée.

GUENÉE, Spec. Gén., vii, 325, 1852.

- *2927. **delinquens** WALKER, Cat. Brit. Mus., xiv, 1423, Fla.,
 1858; DRUCE, Biol. Cent. Am., Lep. Het., i, 381, So. Am.
 1890.

POAPHILA Guenée.

GUENÉE, Spec. Gén., vii, 299, 1852.

2928. **quadriflalis** HÜBNER, Zutr. exot. Schmett., f. Atl. States.
 569, 1823; SMITH, C. 358.
2929. **deleta** GUENÉE, Spec. Gén., vii, 300, 1852; SMITH, So. States.
 C. 358.
 syn. *obsoleta* GROTE.
2930. **sylvarum** GUENÉE, Spec. Gén., vii, 300, 1852; So. States.
 SMITH, C. 358.
- *2931. **erasa** GUENÉE, Spec. Gén., vii, 301, 1852; SMITH, So. States.
 C. 359.
- *2932. **herbicola** GUENÉE, Spec. Gén., vii, 301, 1852; So. States.
 SMITH, C. 359.
- *2933. **contempta** GUENÉE, Spec. Gén., vii, 302, 1852; So. States.
 SMITH, C. 358.
- *2934. **flavistriaria** HÜBNER, Zutr. exot. Schmett., f. So. States.
 555, 1823; SMITH, C. 359.

- *2935. *pacalis* WALKER, Cat. Brit. Mus., xiv, 1475, 1858; SMITH, C. 359. Fla.
syn. *irrorata* GROTE.
- *2936. *placata* GROTE, Bull. Geol. Surv. Terr., iv, 184, 1878; SMITH, C. 359. Ga.
- *2937. *perplexa* BOISDUVAL, Guenée, Spec. Gén., vii, 302, 1852; SMITH, C. 359. Ga.
- *2938. *revoluta* WALKER, Cat. Brit. Mus., xiv, 1472, 1858; SMITH, C. 360. U. S.
- *2939. *turbata* WALKER, Cat. Brit. Mus., xiv, 1834, 1858; SMITH, C. 260 (to *Perigea*). E. Fla.

PHURYS Guenée.

GUENÉE, Spec. Gén., vii, 303, 1852.

2940. *vinculum* GUENÉE, Spec. Gén., vii, 304, 1852; SMITH, C. 357. So. States.
2941. *herbarum* GUENÉE, Spec. Gén., vii, 303, 1852; SMITH, C. 357. So. States.
syn. *bifasciata* BATES.
- *2942. *ovalis* GROTE, Pap., iii, 75, 1883; SMITH, C. 357. Ariz.
2943. *lima* GUENÉE, Spec. Gén., vii, 305, 1852; SMITH, C. 357. So. States.
syn. *obversa* WALKER, *dissocians* WALKER.
2944. *bistrigata* HÜBNER, Zutr. exot. Schmett., f. 111, 1818; SMITH, C. 357. Ga.
2945. *perspicua* WALKER, Cat. Brit. Mus., xvi, 1477, 1858; SMITH, C. 358. Fla.
syn. *glans* GROTE.

CELIPTERA Guenée.

GUENÉE, Spec. Gén., vii, 308, 1852.

2946. *frustulum* GUENÉE, Spec. Gén., vii, 308, 1852; SMITH, C. 355. Atl. States.
syn. *discissa* WALKER, *elongatus* GROTE.
- *2947. *bucetum* GROTE, Trans. Kans. Acad. Sci., viii, 50, 1883; SMITH, C. 356. N. Mex.

ANTICARSIA Hübner.

HÜBNER, Verz. bek. Schmett., 340, 1816.

2948. *gemmatilis* HÜBNER, Zutr. exot. Schmett., f. 153, 1818; SMITH, C. 365. Atl. States.
2949. *ferruginea* SMITH, Jn. N. Y. Ent. Soc., viii, 174, 1900. Fla.

ANTIBLEMMA Hübner.

HÜBNER, Verz. bek. Schmett., 341, 1816.

2950. *inexacta* WALKER, Cat. Brit. Mus., xxxiii, 1038, 1865; SMITH, C. 366. So. States,
syn. *canalis* GROTE. So. Am.,
Ariz.
- a. guttula* HY. EDWARDS, Pap., ii, 129, 1882.
- b. minorata* SMITH, Proc. U. S. Nat. Mus., xxii, 493, 1900.
- c. fasciata* SMITH, Proc. U. S. Nat. Mus., xxii, 494, 1900.

LITOPROSOPUS Grote.

GROTE, Trans. Am. Ent. Soc., ii, 309, 1869.

2951. *futilis* GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 202, 1868; SMITH, C. 245. Fla.,
Ga.

OPHIDERES Boisduval.

BOISDUVAL, Faun. Ent. Mad., 99, 1834.

- *2952. *materna* LINNÆUS, Syst. Nat., 12th ed., 2, 840, 1767; SMITH, C. 354. Fla.,
So. Am.
- syn. *hybrida* FABRICIUS, *calaminea* CRAMER.

STRENOLOMA Grote.

GROTE, No. Am. Ent., i, 99, 1880; *Spiloloma* GROTE (not *Spilosoma* STEPHENS), Bull. Buff. Soc., i, 127, 1873.

2953. *lunilinea* GROTE, Bull. Buff. Soc., i, 127, 1873; So. Atl.
SMITH, C. 354. States.

CAMPOMETRA Guenée.

GUENÉE, Spec. Gén., vii, 25, 1852; *Eubolina* HARVEY; SMITH, Proc. U. S. Nat. Mus., xxii, 101, 1899 (for 2956 and 2958).

2954. *fraterna* SMITH, Proc. U. S. Nat. Mus., xxi, 104, 1899. Tex.
2955. *minor* SMITH, Proc. U. S. Nat. Mus., xxi, 104, 1899. Ariz.
2956. *impartialis* HARVEY, Bull. Buff. Soc., ii, 281, 1875; SMITH, C. 372. Tex.
2957. *amella* GUENÉE, Spec. Gén., vii, 25, 1852; SMITH, C. 372. Tex.,
Fla.
- syn. *integerrima* WALKER, *stylobata* HARVEY.
2958. *meskei* HY. EDWARDS, Pap., ii, 128, 1882; SMITH, C. 372. Tex.

2959. *mima* HARVEY, Can. Ent., viii, 155, 1876; SMITH, Tex., Col.,
C. 372. Ariz.
2960. *bilineata* SMITH, Proc. U. S. Nat. Mus., xxi, 102, Tex.
1899.
2961. *cinctipalpis* SMITH, Proc. U. S. Nat. Mus., xxi, Fla.
103, 1899.

TRAMA Harvey.

HARVEY, Bull. Buff. Soc., iii, 13, 1875.

2962. *detrehens* WALKER, Cat. Brit. Mus., xiv, 1834, So.
1858; SMITH, C. 364. States.
- syn. *arrosa* HARVEY.
2963. *hinna* GEYER, Zutr. exot. Schmett., f. 971, 1837; So.
SMITH, C. 364. States.
- *2964. *griseipennis* GROTE, Can. Ent., xiv, 183, 1882; Ariz.
SMITH, C. 365.

MATIGRAMMA Grote.

GROTE, Trans. Am. Ent. Soc., iv, 22, 1872.

2965. *pulverilinea* GROTE, Trans. Am. Ent. Soc., iv, 22, So.
1872; SMITH, C. 375. States.
2966. *pulversoa* WALKER, Cat. Brit. Mus., xxxiii, 994, Tex.
1865; SMITH, C. 375.
2967. *rubrosuffusa* GROTE, Can. Ent., xiv, 172, 1882; Ariz.
SMITH, C. 375.

CAPNODES Guenée.

GUENÉE, Spec. Gén., vii, 374, 1852.

2968. *punctivena* SMITH, Jn. N. Y. Ent. Soc., vii, 175, Fla.
1900.
- *2969. *californica* BEHR, Trans. Am. Ent. Soc., iii, 23, Cal.
1870; SMITH, C. 365.

KAKOPODA Smith.

SMITH, Jn. N. Y. Ent. Soc., viii, 175, 1900.

- *2970. *cincta* SMITH, Jn. N. Y. Ent. Soc., viii, 176, 1900. Fla.

YRIAS Guenée.

GUENÉE, Spec. Gén., vii, 21, 1852.

2971. *clientis* GROTE, Can. Ent., xiv, 236, 1882; SMITH, Ariz.
C. 374.

2972. *volucris* GROTE, Can. Ent., xv, 3, 1883; SMITH, Ariz.
C. 374.
2973. *repentis* GROTE, Pap., i, 165, 1881; SMITH, C. 374. Ariz.
2974. *crudelis* GROTE, Can. Ent., xv, 237, 1882; SMITH, Ariz.,
C. 374. Tex., Cal.
- EGRYRLON Smith.
- SMITH, Jn. N. Y. Ent. Soc., viii, 176, 1900.
- *2975. *filaria* SMITH, Jn. N. Y. Ent. Soc., viii, 177, 1900. Fla.
- ZALE Hübner.
- HÜBNER, Verz. bek. Schmett., 275, 1816.
2977. *horrida* HÜBNER, Zutr. exot. Schmett., f. 31, Atl.
1818; SMITH, C. 367. States.
- SELENIS Guenée.
- GUENÉE, Spec. Gén., vii, 361, 1852.
2978. *monotropa* GROTE, Can. Ent., vii, 207, 1876; Tex.
SMITH, C. 373.
- PHEOCYMA Hübner.
- HÜBNER, Verz. bek. Schmett., 275, 1816.
2979. *lunifera* HÜBNER, Zutr. exot. Schmett., f. 97, Atl.
1818; SMITH, C. 368. States.
- syn. *lineola* WALKER.
- *2980. *umbrina* GROTE, Can. Ent., xv, 3, 1883; SMITH, Ariz.
C. 368.
- *2981. *termina* GROTE, Can. Ent., xv, 129, 1883; SMITH, Ariz.
C. 368.
- YPSIA Guenée.
- GUENÉE, Spec. Gén., vii, 16, 1852.
2983. *undularis* DRURY, Ill. Exot. Ent., i, pl. 9, f. 4, Atl.
1770; SMITH, C. 372. States.
- a. æruginosa* GUENÉE, Spec. Gén., vii, 17, 1852.
- syn. *plenipennis* WALKER.
- b. umbripennis* GROTE, Can. Ent., viii, 109, 1877.
- PSEUDANTHRÆCIA Grote.
- GROTE, Bull. Buff. Soc., ii, 46, 1874.
2984. *coracias* GUENÉE, Spec. Gén., vii, 19, 1852; SMITH, Atl.
C. 373. States.
- *2985. *cornix* GUENÉE, Spec. Gén., vii, 19, 1852; SMITH, No.
C. 373. Am.

HOMOPTERA Boisduval.^a

BOISDUVAL (not LATREILLE) in Guérin, Icon. Règ. An., pl. 89, 1829; GUENÉE, Spec. Gén., vii, 8, 1852.

2986. *lunata* DRURY, Ill. Exot. Ent., i, 40, 1770; SMITH, C. 368. Atl. States.
a. edusa DRURY, Ill. Exot. Ent., ii, pl. 24, f. 4, 1773.
 syn. *putrescens* GUENÉE, *saundersii* BETHUNE, *viridans* WALKER, *involuta* WALKER.
- *2987. *nigricans* BETHUNE, Proc. Ent. Soc. Phil., iv, 214, 1864; SMITH, C. 369.^b No. Atl. States.
2988. *rosæ* BEHR, Trans. Am. Ent. Soc., iii, 28, 1870; SMITH, C. 369. Cal.
2989. *rubi* HY. EDWARDS, Pap., i, 28, 1881; SMITH, C. 369. Cal., Ariz.
- *2990. *minerea* GUENÉE, Spec. Gén., vii, 15, 1852; SMITH, C. 369. Atl. States.
2991. *calycanthata* SMITH & ABBOT, Lep. Ins. Ga., ii, 207, 1797; SMITH, C. 370. Atl. States.
2992. *cingulifera* WALKER, Cat. Brit. Mus., xiii, 1056, 1857; SMITH, C. 370. Atl. States.
 syn. *intenta* WALKER, *woodii* GROTE.
- *2993. *salicis* BEHR, Trans. Am. Ent. Soc., iii, 28, 1870; SMITH, C. 370. Cal.
- *2994. *albofasciata* BETHUNE, Can. Jn., x, 256, 1865; SMITH, C. 370. Can.
2995. *edusina* HARVEY, Bull. Buff. Soc., iii, 14, 1875; SMITH, C. 370. Tex.
a. atrinecta HARVEY, Bull. Buff. Soc., iii, 14, 1875.
- *2996. *galbanata* MORRISON, Proc. Acad. Nat. Sci. Phil., 435, 1875; SMITH, C. 370. Neb.
- *2997. *uniformis* MORRISON, Can. Ent., vii, 148, 1875; SMITH, C. 371. Ga.
- *2998. *cinerea* MORRISON, Can. Ent., vii, 148, 1875; SMITH, C. 371. Mass.
- *2999. *penna* MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 241, 1875; SMITH, C. 371. Miss. Vall.
3000. *unilineata* GROTE, Can. Ent., viii, 108, 1876; SMITH, C. 371. Atl. States.

^aA homonym, but probably the same as *Pheocyma*.

^bSynonym of *Ypsia undularis* according to Bethune in letter.

3001. *obliqua* GUENÉE, Spec. Gén., vii, 16, 1852; SMITH, C. 371. Atl. States.
3002. *duplicata* BETHUNE, Can. Jn., x, 257, 1865; SMITH, C. 371. Atl. States.
- *3003. *benesignata* HARVEY, Bull. Buff. Soc., iii, 14, 1875; SMITH, C. 371. Can.
- *3004. *declarans* WALKER, Cat. Brit. Mus., xiii, 1057, 1857; SMITH, C. 371. E. Fla.

LATEBRARIA Guenée.

GUENÉE, Spec. Gén., vii, 159, 1852.

3005. *amphipyroides* GUENÉE, Spec. Gén., vii, 159, 1852. Tex., So. Am.

EREBUS Latreille.

LATREILLE, Gen. Crust. Ins., 365, 1810.

3006. *odora* LINNÆUS, Syst. Nat., 505, 1758; SMITH, C. 366. Atl. States, Col., Cal., So. Am.
syn. *agarista* CRAMER.

THYSANIA Dalman.

DALMAN, Vet. Akad. Handl., 407, 1824.

3007. *zenobia* CRAMER, Pap. Exot., pl. 115, f. A, 1779; SMITH, C. 367. Fla., So. Am.

Subfamily HYPENINÆ.

EPIZEUXIS Hübner.

HÜBNER, Verz. bek. Schmett., 346, 1816; SMITH, Bull. 48, U. S. Nat. Mus., 15, 1895.

3008. *americalis* GUENÉE, Spec. Gén., viii, pl. 6, f. 5, 1854; SMITH, C. 379; Bull. 48, U. S. Nat. Mus., 23, 1895. Atl. States.
syn. *scriptipennis* WALKER.
3009. *æmula* HÜBNER, Samml. exot. Schmett., iii, 1815; SMITH, C. 379. Atl. States.
syn. *mollifera* WALKER, *herminioides* WALKER, *effusalis* WALKER, *conciisa* WALKER.
- *3010. *nigellus* STRECKER, Lep. Rhop. Het., suppl. 3, 36, 1900. Ill.
3011. *suffusalis* SMITH, Jn. N. Y. Ent. Soc., vii, 233, 1899. Ariz.

3012. *lubricalis* GEYER, Zutr. exot. Schmett., f. 665, 1832; SMITH, C. 377. Atl. States, Col.
 syn. *phæalis* GUENÉE, *surrectalis* WALKER.
a. occidentalis SMITH, Bull. Brook. Ent. Soc., vii, 5, 1884.
3013. *denticularis* HARVEY, Bull. Buff. Soc., ii, 283, 1875; SMITH, C. 378. Atl. States.
3014. *scobialis* GROTE, No. Am. Ent., i, 95, 1880; SMITH, C. 378. Atl. States.
3015. *laurentii* SMITH, Ent. News, iv, 83, 1893. N. C.
3016. *rotundalis* WALKER, Cat. Brit. Mus., xxxiv, 1144, 1865; SMITH, Bull. 48, U. S. Nat. Mus., 20, 1895. Atl. States, Col.
 syn. *borealis* SMITH, *forbesii* FRENCH.
3017. *majoralis* SMITH, Bull. 48, U. S. Nat. Mus., 25, 1895. Atl. States.
3018. *gopheri* SMITH, Can. Ent., xxxi, 94, 1899. Fla.

ZANCLOGNATHA Lederer.

LEDERER, Noct. Eur., 211, 1857; SMITH, Bull. 48, U. S. Nat. Mus., 27, 1895; *Pityolita* GROTE, Bull. Buff. Soc., i, 39, 1873; *Megachyta* GROTE, Trans. Am. Ent. Soc., iv, 306, 1873; *Cleptomita* GROTE, Trans. Am. Ent. Soc., iv, 301, 1873.

3019. *lævigata* GROTE, Trans. Am. Ent. Soc., iv, 95, 1872; SMITH, Bull. 48, U. S. Nat. Mus., 36, 1895. Atl. States.
a. modestalis FITCH (median space entirely brown).
b. reversata DYAR (basal and terminal spaces brown).
c. obsoleta SMITH, Bull. Brook. Ent. Soc., vii, 5, 1884; C. 382.
3020. *pedipilalis* GUENÉE, Spec. Gén., viii, 57, 1854; SMITH, C. 381; Bull. 48, U. S. Nat. Mus., 39, 1895. Atl. States.
3021. *cruralis* GUENÉE Spec. Gén., viii, 58, 1854; SMITH, C. 382; Bull. 48, U. S. Nat. Mus., 40, 1895. Atl. States.
 syn. *jachusalis* WALKER.
3022. *obscuripennis* GROTE, Trans. Am. Ent. Soc., iv, 98, 309, 1872; SMITH, C. 382; Bull. 48, U. S. Nat. Mus., 41, 1895. Atl. States.
3023. *protumnusalis* WALKER, Cat. Brit. Mus., xvi, 104, 1859; SMITH, C. 383; Bull. 48, U. S. Nat. Mus., 42, 1895. Atl. States.
 syn. *minimalis* GROTE.



3024. *ochreipennis* GROTE, Trans. Am. Ent. Soc., iv, 98, 1872; SMITH, C. 382; Bull. 48, U. S. Nat. Mus., 44, 1895. Atl. States.
3025. *marcidilinea* GROTE, Trans. Am. Ent. Soc., iv, 93, 1872; SMITH, C. 382; Bull. 48, U. S. Nat. Mus., 43, 1895. Atl. States.
3026. *litoralís* HÜBNER, Zutr. exot. Schmett., f. 19, 1818; SMITH, C. 380; Bull. 48, U. S. Nat. Mus., 32, 1895. Atl. States.
3027. *theralis* WALKER, Cat. Brit. Mus., xix, 855, 1859; SMITH, C. 380; Bull. 48, U. S. Nat. Mus., 33, 1895. Atl. States.
syn. *deceptricalis* ZELLER.
a. *gypsalis* GROTE, Bull. Brook. Ent. Soc., iii, 65, 1880.
3028. *inconspicualis* GROTE, Can. Ent., xv, 30, 1883; SMITH, C. 380; Bull. 48, U. S. Nat. Mus., 35, 1895. No. N. Y.
- *3029. *minoralis* SMITH, Bull. 48, U. S. Nat. Mus., 34, 1895. N. Y.
- *3030. *atrilíneella* GROTE, Trans. Am. Ent. Soc., iv, 301, 1873; SMITH, C. 383; Bull. 48, U. S. Nat. Mus., 38, 1895. Tex.

HORMISA Walker.

WALKER, Cat. Brit. Mus., xvi, 74, 1859; SMITH, Bull. 48, U. S. Nat. Mus., 45, 1895;
Pallachira GROTE, Can. Ent., ix, 197, 1877.

3031. *absorptalis* WALKER, Cat. Brit. Mus., xvi, 74, 1859; SMITH, C. 380; Bull. 48, U. S. Nat. Mus., 46, 1895. Atl. States.
syn. *nubilifasciá* GROTE.
- *3032. *litophora* GROTE, Bull. Buff. Soc., i, 86, 1873; SMITH, C. 380; Bull. 48, U. S. Nat. Mus., 48, 1895. Atl. States.
- *3033. *linearis* GROTE, Can. Ent., xv, 121, 1883; SMITH, C. 381. Ariz.
3034. *bivittata* GROTE, Can. Ent., ix, 198, 1877; SMITH, C. 383; Bull. 48, U. S. Nat. Mus., 48, 1895. Atl. States.

SISYRHYPENA Grote.

GROTE, Can. Ent., v, 227, 1873.

3035. *orciferalis* WALKER, Cat. Brit. Mus., xvi, 235, 1859; SMITH, C. 386; Bull. 48, U. S. Nat. Mus., 49, 1895. So. Atl. States.
syn. *pupillaris* GROTE, *hartii* FRENCH.

PHILOMETRA Grote.

GROTE, TRANS. AM. ENT. SOC., iv, 99, 1872; SMITH, BULL. 48, U. S. NAT. MUS., 50, 1895.

3036. *metonalis* WALKER, CAT. BRIT. MUS., xvi, 236, 1859; SMITH, BULL. 48, U. S. NAT. MUS., 51, 1895. Atl. States.

syn. *goasalis* WALKER; SMITH, C. 383; *longilabris* GROTE.

3037. *eumelusalis* WALKER, CAT. BRIT. MUS., xvi, 105, 1859; SMITH, C. 384; BULL. 48, U. S. NAT. MUS., 53, 1895. Atl. States.

syn. *serraticornis* GROTE.

3038. *hanhami* SMITH, CAN. ENT., xxxi, 207, 1899. Man.

CHYTOLITA Grote.

GROTE, TRANS. AM. ENT. SOC., iv, 309, 1873; SMITH, BULL. 48, U. S. NAT. MUS., 54, 1895.

3039. *morbidalis* GUENÉE, SPEC. GÉN., viii, 56, 1854; SMITH, C. 382; BULL. 48, U. S. NAT. MUS., 56, 1895. Atl. States.

a. *petrealis* GROTE, CAN. ENT., xii, 219, 1880; SMITH, BULL. 48, U. S. NAT. MUS., 56, 1895.

b. *punctiformis* SMITH, BULL. 48, U. S. NAT. MUS., 37, 1895.

HYPENULA Grote.

GROTE, CAN. ENT., viii, 27, 1876; SMITH, BULL. 48, U. S. NAT. MUS., 76, 1895.

3040. *caecuminalis* WALKER, CAT. BRIT. MUS., xvi, 37, 1859; SMITH, C. 389; BULL. 48, U. S. NAT. MUS., 77, 1895. So. States.

syn. *biferalis* WALKER, *opacalis* GROTE.

RENIA Guenée.

GUENÉE, SPEC. GÉN., vii, 91, 1854; SMITH, BULL. 48, U. S. NAT. MUS., 65, 1895.

3041. *salusalis* WALKER, CAT. BRIT. MUS., xvi, 197, 1859; SMITH, C. 387; BULL. 48, U. S. NAT. MUS., 68, 1895. Atl. States, Col.

syn. *brevirostralis* GROTE.

3042. *discoloralis* GUENÉE, SPEC. GÉN., viii, 82, 1854; SMITH, C. 386; BULL. 48, U. S. NAT. MUS., 69, 1895. Atl. States.

syn. *fallacialis* WALKER, *generalis* WALKER, *thruvalis* WALKER.

3043. *fraternalis* SMITH, BULL. 48, U. S. NAT. MUS., 70, 1895. Fla., Ga.

3044. *sobrialis* WALKER, Cat. Brit. Mus., xvi, 228, 1859; Atl. States,
SMITH, C. 387; Bull. 48, U. S. Nat. Mus., 71, 1895; Col.
DYAR, Proc. U. S. Nat. Mus., xxiii, 280, 1901.
syn. *restrictalis* GROTE.
a. larvalis GROTE, Trans. Am. Ent. Soc., iv, 20,
1872; SMITH, C. 387; Bull. 48, U. S. Nat. Mus.,
72, 1895.
3045. *clitosalis* WALKER, Cat. Brit. Mus., xvi, 108, 1859; Atl.
SMITH, C. 388; Bull. 48, U. S. Nat. Mus., 72, 1895. States.
syn. *centralis* GROTE.
3046. *factiosalis* WALKER, Cat. Brit. Mus., xvi, 37, 1859; Atl. States,
SMITH, C. 388; Bull. 48, U. S. Nat. Mus., 73, 1895. Col.
syn. *plenilinealis* GROTE, *alutalis* GROTE.
3047. *pulverosalis* SMITH, Bull. 48, U. S. Nat. Mus., 75. Col.
1895.
3048. *flavipunctalis* GEYER, Zutr. exot. Schmett., f. Atl.
701, 1832; SMITH, C. 388; Bull. 48, U. S. Nat. States.
Mus., 74, 1895.
syn. *phalerosalis* WALKER, *heliusalis* WALKER,
belfragei GROTE, *pastoralis* GROTE.

BLEPTINA Guenée.

GUENÉE, Spec. Gén., viii, 66, 1854; SMITH, Bull. 48, U. S. Nat. Mus., 57, 1895.

3049. *caradrinalis* GUENÉE, Spec. Gén., vii, 67, 1854; Atl. States,
SMITH, C. 389; Bull. 48, U. S. Nat. Mus., 58, Rocky Mts.,
1895. Ariz.
syn. *cloniasalis* WALKER.
3050. *inferior* GROTE, Trans. Am. Ent. Soc., iv, 94, 1872; So.
SMITH, C. 389; Bull. 48, U. S. Nat. Mus., 61, 1895. States.
a. medialis SMITH, Bull. 48, U. S. Nat. Mus., 60,
1895.

TETANOLITA Grote.

GROTE, Trans. Am. Ent. Soc., iv, 305, 1873; SMITH, Bull. 48, U. S. Nat. Mus., 61, 1895.

3051. *floridana* SMITH, Bull. 48, U. S. Nat. Mus., 63, Fla.,
1895. Tex.
3052. *mynesalis* WALKER, Cat. Brit. Mus., xix, 860, So. Atl.
1859; SMITH, C. 389; Bull. 48, U. S. Nat. Mus., States.
63, 1895.
syn. *livalis* GROTE.
3053. *palligera* SMITH, Bull. Brook. Ent. Soc., vii, 6, Cal.
1884; C. 385; Bull. 48, U. S. Nat. Mus., 64,
1895.

HETEROGRAMMA Guenée.

GUENÉE, Spec. Gén., viii, 91, 1854; SMITH, Bull. 48, U. S. Nat. Mus., 78, 1895.

3054. **pyramusalis** WALKER, Cat. Brit. Mus., xvi, 106, Atl.
1859; SMITH, C. 385; Bull. 48, U. S. Nat. Mus., States.
79, 1895.

syn. *gyasalis* WALKER, *rurigena* GROTE.

GABERASA Walker.

WALKER, Cat. Brit. Mus., xxxiv, 1197, 1865; SMITH, Bull. 48, U. S. Nat. Mus., 80,
1895.

3055. **ambigua** WALKER, Cat. Brit. Mus., xxxvi, Atl.
1198, 1865; SMITH, C. 395; Bull. 48, U. S. Nat. States.
Mus., 81, 1895.

syn. *bifidalis* GROTE, *indivialis* GROTE.

DIRCETIS Grote.

GROTE, Bull. Geol. Surv. Terr., iv, 186, 1878; SMITH, Bull. 48, U. S. Nat. Mus., 82,
1895.

3056. **vitrea** GROTE, Bull. Geol. Surv. Terr., iv, 186, So. Atl.
1878; SMITH, C. 396. States.

3057. **pygmæa** GROTE, Bull. Geol. Surv. Terr., iv, 187, Fla.,
1878; SMITH, C. 396. Tex.

PALTHIS Hübner.

HÜBNER, Verz. bek. Schmett., 342, 1816; SMITH, Bull. 48, U. S. Nat. Mus., 84, 1895.

3058. **angulalis** HÜBNER, Schmett. Eur., Pyral. f. 107, Atl.
1796; SMITH, C. 385; Bull. 48, U. S. Nat. Mus., States.
86, 1895.

syn. *aracanthusalis* WALKER.

3059. **asopialis** GUENÉE, Spec. Gén., viii, 96, 1854; Atl.
SMITH, C. 385; Bull. 48, U. S. Nat. Mus., 87, States.
1895.

CAPIS Grote.

GROTE, Can. Ent., xiv, 20, 119, 1882; SMITH, Bull. 48, U. S. Nat. Mus., 88, 1895.

3060. **curvata** GROTE, Can. Ent., xiv, 20, 1882; SMITH, No. Atl.
C. 386. States.

SALIA Hübner.

HÜBNER, Verz. bek. Schmett., 338, 1816; SMITH, Bull. 48, U. S. Nat. Mus., 89, 1895.

3061. **salicalis** DENIS & SCHIFFERMÜLLER, Syst. Verz. Tex.,
Wien, 122, 1776; WALKER, Cat. Brit. Mus., xvi, Eur.
19, 1858; STAUDINGER & REBEL, Cat. Lep. Eur.,
i, no. 2790, 1901.

syn. *salicis* SMITH, Bull. 48, U. S. Nat. Mus.,
91, 1895.

3062. **interpuncta** GROTE, Trans. Am. Ent. Soc., iv, 93, 1872; SMITH, C. 384; Bull. 48, U. S. Nat. Mus., 90, 1895. Atl. States, Ariz.

syn. *saligna* ZELLER, *rufa* GROTE, Can. Ent., xv, 31, 1883; SMITH, C. 384.

LOMANALTES Grote.

GROTE, Bull. Buff. Soc., i, 13, 1873; SMITH, Bull. 48, U. S. Nat. Mus., 109, 1895.

3063. **eductalis** WALKER, Cat. Brit. Mus., xvi, 36, 1859; SMITH, C. 390. Atl. States.

syn. *latulus* GROTE.

BOMOLOCHA Hübner.

HÜBNER, Verz. bek. Schmett., 343, 1816; SMITH, Bull. 48, U. S. Nat. Mus., 91, 1895.

3064. **manalis** WALKER, Cat. Brit. Mus., xvi, 33, 1859; SMITH, C. 390; Bull. 48, U. S. Nat. Mus., 95, 1895. Atl. States.

3065. **baltimoralis** GUENÉE, Spec. Gén., viii, 34, 1854; SMITH, C. 390; Bull. 48, U. S. Nat. Mus., 96, 1895. Atl. States.

syn. *benignalis* WALKER, *laciniosa* ZELLER.

3066. **bijugalis** WALKER, Cat. Brit. Mus., xvi, 32, 1859; SMITH, C. 391; Bull. 48, U. S. Nat. Mus., 97, 1895. Atl. States.

syn. *facialis* GROTE, *pallialis* ZELLER.

3067. **scutellaris** GROTE, Can. Ent., v, 225, 1873; SMITH, C. 390; Bull. 48, U. S. Nat. Mus., 98, 1895. Atl. States.

3068. **abalinealis** WALKER, Cat. Brit. Mus., xvi, 31, 1859; SMITH, C. 391; Bull. 48, U. S. Nat. Mus., 100, 1895. Atl. States.

3069. **madefactalis** GUENÉE, Spec. Gén., viii, 35, 1854; SMITH, C. 391; Bull. 48, U. S. Nat. Mus., 102, 1895. Atl. States.

syn. *achatinalis* ZELLER; SMITH, C. 391; *damosalis* WALKER, *caducalis* WALKER, Cat. Brit. Mus., xvi, 35, 1859; SMITH, C. 393; *profecta* GROTE.

3070. **sordidula** GROTE, Trans. Am. Ent. Soc., iv, 296, 1873; SMITH, C. 392; Bull. 48, U. S. Nat. Mus., 103, 1895. Atl. States.

- *3071. **mitographa** GROTE, Trans. Am. Ent. Soc., iv, 296, 1873; SMITH, C. 392. Ala.

3072. **toreuta** GROTE, Trans. Am. Ent. Soc., iv, 24, 1872; SMITH, C. 392; Bull. 48, U. S. Nat. Mus., 105, 1895. Atl. States.

syn. *albisignalis* ZELLER.

3073. **deceptalis** WALKER, Cat. Brit. Mus., xvi, 30, 1859; SMITH, C. 393; Bull. 48, U. S. Nat. Mus., 101, 1895. Atl. States.

syn. *perangulalis* HARVEY.

3074. *edictalis* WALKER, Cat. Brit. Mus., xvi, 28, 1859; SMITH, C. 393; Bull. 48, U. S. Nat. Mus., 106, 1895. Atl. States.
 syn. *lentiginosa* GROTE, *vellifera* GROTE.
3075. *citata* GROTE, Trans. Am. Ent. Soc., iv, 101, 1872; SMITH, Bull. 48, U. S. Nat. Mus., 107, 1895. Atl. States.
 syn. *tritubercalis* ZELLER, *idæusalis* SMITH (not WALKER), C. 392.
3076. *umbralis* SMITH, Bull. Brook. Ent. Soc., vii, 41, 1884; C. 392; Bull. 48, U. S. Nat. Mus., 104, 1895. Fla.
3077. *vega* SMITH, Proc. U. S. Nat. Mus., xxii, 494, 1900. N. Mex.
- *3078. *annulalis* GROTE, Check List Noct., 45, 1876; SMITH, C. 391; Bull. 48, U. S. Nat. Mus., 108, 1895. Tex.
- *3078. 1. *idæusalis* WALKER, Cat. Brit. Mus., xix, 839, 1859; SMITH, Bull. 48, U. S. Nat. Mus., 108, 1895. U. S.

PLATHYPENA Grote.

GROTE, Bull. Buff. Soc., i, 38, 1873; SMITH, Bull. 48, U. S. Nat. Mus., 110, 1895.

3079. *scabra* FABRICIUS, Ent. Syst., suppl. 4, 448, 1794; SMITH, C. 395; Bull. 38, U. S. Nat. Mus., 111, 1895. Atl. States.
 syn. *erectalis* GUENÉE, *palpalis* HAWORTH, *crassatus* HAWORTH, *obesalis* STEPHENS.
a. subrufalis GROTE, Trans. Am. Ent. Soc., iv, 102, 1872.

HYPENA Schrank.

SCHRANK, Faun. Boica, ii, 2, 163, 1802; SMITH, Bull. 48, U. S. Nat. Mus., 112, 1895.

3080. *humuli* HARRIS, Cat. Ins. Mass., 74, 1855; SMITH, C. 394; Bull. 48, U. S. Nat. Mus., 112, 1895. Atl. States, Col.
 syn. *evanidalis* ROBINSON, *germanalis* WALKER.
a. olivacea GROTE, Can. Ent., v, 226, 1873.
b. albopunctata TEPPER, Bull. Brook. Ent. Soc., iv, 2, 1881.
3081. *californica* BEHR, Trans. Am. Ent. Soc., iii, 23, 1870; SMITH, C. 394; Bull. 48, U. S. Nat. Mus., 116, 1895. Pac. States.
a. decorata SMITH, Bull. Brook. Ent. Soc., vii, 4, 1884.
3082. *modesta* SMITH, Bull. 48, U. S. Nat. Mus., 117, 1895. Cal.

Family NYCTEOLIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 117, 1893.)

NYCTEOLA Hübner.

HÜBNER, Tent., 2, 1806; KIRBY, Cat. Lep. Het., i, 369, 1892.

3083. *revayana* SCOPOLI, Ann. Nat. Hist., v, 116, 1772; Eur.,
KIRBY, Cat. Lep. Het., i, 369, 1892. U. S.
- syn. *ramosana* HÜBNER, *dilatata* HÜBNER,
undulata HÜBNER, *degenerata* HÜBNER,
punctata HÜBNER, *stoninus* CURTIS, *duplana*
FABRICIUS, *rivagana* FABRICIUS, *fasciata-*
nium RETZIUS, *glauca* LAMPA.
- a. lintnerana* SPEYER, Stett. ent. Zeit., xxxv,
170, 1875; NEUMOEGEN & DYAR, C. 117.
- b. columbiana* HY. EDWARDS, Proc. Cal. Acad.
Sci., v, 184, 1874.
- c. cinereana* NEUMOEGEN & DYAR, Jn. N. Y. Ent.
Soc., i, 117, 1893.
3084. *proteella* DYAR, Jn. N. Y. Ent. Soc., vi, 40, 1898. Atl. States.

Family PERICOPIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 26, 1894.)

DARITIS Walker.

WALKER, Cat. Brit. Mus., iii, 618, 1855.

3085. *howardi* HY. EDWARDS, Ent. Amer., ii, 165, 1887; Ariz.
NEUMOEGEN & DYAR, C. 26; DRUCE, Biol. Cent.
Am., Lep. Het., ii, 387, 1897.

COMPOSIA Hübner.

HÜBNER, Verz. bek. Schmett., 179, 1822.

3086. *fidellissima* HERRICH-SCHAEFFER, Copr.-Blatt. Fla.,
Reg., xx, 131, 1866; NEUMOEGEN & DYAR, C. 26. Antilles.
- syn. *olympia* BUTLER.

GNOPHÆLA Walker.

WALKER, Cat. Brit. Mus., ii, 330, 1854.

3087. *latipennis* BOISDUVAL, Ann. Soc. Ent. Fr., (2), Pac. States,
x, 320, 1852; NEUMOEGEN & DYAR, C. 27. Rocky Mts.
- syn. *hopfferi* GROTE & ROBINSON.
- a. discreta* STRETCH, Surv. W. 100th Mer.,
Wheeler, 802, 1878.
- syn. *arizonæ* FRENCH, *morrisoni* DRUCE.
- b. vermiculata* GROTE & ROBINSON, Proc. Ent.
Soc. Phil., ii, 334, 1863.
- syn. *continua* HY. EDWARDS.

3088. *clappiana* HOLLAND, Ent. News, ii, 156, 1891; Col.,
NEUMOEGEN & DYAR, C. 27. Ariz.

Family DIOPTIDÆ.

(C.=NEUMOEGEN & DYAR, Jnl. N. Y. Ent. Soc., ii, 111, 1894.)

PHRYGANIDIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iv, 348, 1864.

3089. *californica* PACKARD, Proc. Ent. Soc. Phil., iv, Cal.
348, 1864; NEUMOEGEN & DYAR, C. 111.

Family NOTODONTIDÆ.

(C.=PACKARD, Monog. Not., Mem. Nat. Acad. Sci., vii, 87-284, 1895.)

APATELODES Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 253, 1864; PACKARD, C. 99.

3090. *torrefacta* SMITH & ABBOT, Lep. Ins. Ga., 151, Atl.
1797; PACKARD, C. 100. States.
a. floridana HY. EDWARDS, Ent. Amer., ii, 13,
1886.
3091. *angelica* GROTE, Proc. Ent. Soc. Phil., iii, 322, Atl.
1864; PACKARD, C. 103. States.
syn. *hyalinopuncta* PACKARD.
a. indistincta HY. EDWARDS, Ent. Amer., ii, 13,
1886.

MELALOPHA Hübner.

HÜBNER, Tent., 1, 1806; PACKARD, C. 123.

3092. *apicalis* WALKER, Cat. Brit. Mus., v, 1058, 1855; U. S.
PACKARD, C. 125.
syn. *rau* FITCH, *indentata* PACKARD.
a. ornata GROTE & ROBINSON, Trans. Am. Ent.
Soc., ii, 191, 1868.
syn. *incarcerata* BOISDUVAL.
b. astoriæ HY. EDWARDS, Ent. Amer., ii, 14, 1886.
c. bifirria HY. EDWARDS, Ent. Amer., ii, 167, 1886.
3093. *inornata* NEUMOEGEN, Pap., ii, 134, 1882; PACK- Ariz.
ARD, C. 130.
3094. *inclusa* HÜBNER, Zutr. exot. Schmett., 36, 1825; Atl.
PACKARD, C. 131. States.
syn. *americana* HARRIS.
a. inversa PACKARD, Proc. Ent. Soc. Phil., iii,
352, 1864.
syn. *palla* FRENCH.
b. jocosa HY. EDWARDS, Ent. Amer., ii, 10, 1886.

3095. *strigosa* GROTE, Bull. Geol. Serv. Terr., vi, 532, 1882; PACKARD, C. 130. No. Atl. States.
a. luculenta HY. EDWARDS, Ent. Amer., ii, 10, 1886.
3096. *albosigma* FITCH, Second Rept. Ins. N. Y., 274, 1855; PACKARD, C. 138. U. S.
a. specifica DYAR, Can. Ent., xxiv, 180, 1892.
3097. *brucei* HY. EDWARDS, Ent. Amer., i, 17, 1885; PACKARD, C. 137. No. U. S.
a. multnoma DYAR, Can. Ent., xxiv, 179, 1892.
 syn. *althe* NEUMOEGEN & DYAR.

DATANA Walker.

WALKER, Cat. Brit. Mus., v, 1060, 1855; PACKARD, C. 105.

3098. *ministra* DRURY, Ill. Exot. Ent., ii, 25, 1773; PACKARD, C. 106. Atl. States.
3099. *californica* DYAR, Ent. Amer., vi, 127, 1890; PACKARD, C. 108. Cal.
3100. *angusii* GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 9, 1866; PACKARD, C. 110. Atl. States.
3101. *drexelii* HY. EDWARDS, Pap., iv, 25, 1884; PACKARD, C. 112. Atl. States.
3102. *major* GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 12, 1866; PACKARD, C. 113. Atl. States.
3103. *palmii* BEUTENMÜLLER, Psyche, vi, 297, 1890; PACKARD, C. 116. Atl. States.
3104. *floridana* GRAEF, Bull. Brook. Ent. Soc., ii, 37, 1879; PACKARD, C. 115. Fla.
- *3105. *modesta* BEUTENMÜLLER, Psyche, vi, 297, 1890; PACKARD, C. 117. Fla.
3106. *perspicua* GROTE & ROBINSON, Proc. Ent. Soc. Phil., iv, 489, 1865; PACKARD, C. 119. Atl. States.
a. messillæ COCKERELL, Psyche, viii, 41, 1897.
- *3107. *robusta* STRECKER, Lep. Rhop. Het., 131, 1872; PACKARD, C. 119. Tex.
3108. *integerrima* GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 12, 1866; PACKARD, C. 120. Atl. States.
3109. *chiriquensis* DYAR, JR. N. Y. Ent. Soc., iii, 167, 1895. Ariz., Mex.
3110. *contracta* WALKER, Cat. Brit. Mus., v, 1062, 1855; PACKARD, C. 122; BEUTENMÜLLER, Ent. News, i, 144, 1890. Atl. States.

HYPERÆSCHRA Butler.

BUTLER, Ann. Mag. Nat. Hist., (5), vi, 65, 1880; DYAR, Trans. Am. Ent. Soc., xxiv, 16, 1897.

3111. *stragula* GROTE, Proc. Ent. Soc. Phil., iii, 93, 1864; PACKARD, C. 165; SCHAUS, Trans. Ent. Soc. Lond., 330, 1901. U. S.

syn. *scitipennis* WALKER.

a. manitou NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 35, 1893.

b. pacifica BEHR, Proc. Cal. Acad. Sci., (2), iii, 206, 1892.

3112. *georgica* HERRICH-SCHAEFFER, Samml. ausser. Schmett., 66, 1856; PACKARD, C. 153. Atl. States.

3113. *tortuosa* TEPPER, Bull. Brook. Ent. Soc., iv, 2, 1881; PACKARD, C. 153. Col., Ariz.

ODONTOSIA Hübner.

HÜBNER, Verz. bek. Schmett., 145, 1818; DYAR, Trans. Am. Ent. Soc., xxiv, 16, 1897.

3114. *elegans* STRECKER, Proc. Acad. Nat. Sci. Phil., 285, 1884; PACKARD, C. 156; SCHAUS, Trans. Ent. Soc. Lond., 329, 1901. Rocky Mts., Can.

a. grisea STRECKER, Proc. Acad. Nat. Sci. Phil., 286, 1884; NEUMOEGEN & DYAR, Trans. Am. Ent. Soc., xxi, 184, 1894.

syn. *notaria* HY. EDWARDS.

PTILODON Hübner.

HÜBNER, Tent., 1, 1806; DYAR, Trans. Am. Ent. Soc., xxiv, 16, 1897.

- *3115. *americana* HARVEY, Can. Ent., ix, 95, 1877; PACKARD, C. 156 (=Eur. sp., *capucina* LINNÆUS?). Atl. States.

NOTODONTA Ochseneheimer.

OCHSENHEIMER, Schmett. Eur., ii, 45, 1810; DYAR, Trans. Am. Ent. Soc., xxiv, 15, 1897.

3116. *basitriens* WALKER, Cat. Brit. Mus., v, 1000, 1855; PACKARD, C. 152; SCHAUS, Trans. Ent. Soc. Lond., 330, 1901. Atl. States.

3117. *simplaria* GRAEF, Bull. Brook. Ent. Soc., iii, 95, 1881; PACKARD, C. 167. No. Atl. States.

PHEOSIA Hübner.

HÜBNER, Verz. bek. Schmett., 145, 1816; PACKARD, C. 157.

3118. *dimidiata* HERRICH-SCHAEFFER, Ausser. Schmett., 66, 1856; PACKARD, C. 158; SCHAUS, Trans. Ent. Soc. Lond., 331, 1901. Atl. States, Rocky Mts., Can.

syn. *rimosa* PACKARD, *californica* STRETCH.

3119. *portlandia* HY. EDWARDS, Ent. Amer., ii, 165, No. Pac.
1886; PACKARD, C. 158. States.
syn. *descherei* NEUMOEGEN.

LOPHODONTA Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 358, 1864; C. 146.

3120. *ferruginea* PACKARD, Proc. Ent. Soc. Phil., iii, Atl.
357, 1864; C. 150; SCHAUS, Trans. Ent. Soc. States.
Lond., 330, 1901.
3121. *angulosa* SMITH & ABBOT, Lep. Ins. Ga., 165, Atl.
1797; PACKARD, C. 147. States.

EUNYSTALEA Grote.

GROTE, Abh. natur. Ver. Bremen, xiv, 7, 1895; DYAR, Trans. Am. Ent. Soc., xxiv,
14, 1897.

- *3122. *indiana* GROTE, Pap., iv, 7, 1884; SCHAUS, Trans. Fla.
Ent. Soc. Lond., 326, 1901.

NADATA Walker.

WALKER, Cat. Brit. Mus., v, 1062, 1855; PACKARD, C. 141.

3123. *gibbosa* SMITH & ABBOT, Lep. Ins. Ga., ii, 163, U. S.
1797; PACKARD, C. 142.
- a. doubledayi* PACKARD, Proc. Ent. Soc. Phil.,
iii, 365, 1864.
- b. rubripennis* NEUMOEGEN & DYAR, Jn. N. Y.
Ent. Soc., i, 24, 1893.
- c. oregonensis* BUTLER, Ann. Mag. Nat. Hist.,
(5), viii, 317, 1881.
- d. behrensii* HY. EDWARDS, Ent. Amer., i, 49,
1885.

NERICE Walker.

WALKER, Cat. Brit. Mus., v, 1076, 1855; PACKARD, C. 169.

3124. *bidentata* WALKER, Cat. Brit. Mus., v, 1076, Atl.
1855; PACKARD, C. 171; SCHAUS, Trans. Ent. States.
Soc. Lond., 267, 1901.

SYMMERISTA Hübner.

HÜBNER, Verz. bek. Schmett., 248, 1816; PACKARD, C. 177.

3125. *albifrons* SMITH & ABBOT, Lep. Ins. Ga., ii, 159, Atl. States,
1797; PACKARD, C. 179. Rocky Mts.
- a. albicosta* HÜBNER, Eur. Schmett., Noct., f.
440, 1804.
- b. suavis* BARNES, Can. Ent., xxxiii, 53, 1901.
- *3125. 1. *plagiata* WALKER, Cat. Brit. Mus., xxxii, 427, Can.
1865; NEUMOEGEN & DYAR, Jn. N. Y. Ent.
Soc., ii, 173, 1894 (type lost).

HIPPIA Möschler.

MÖSCHLER, Verh. zool.-bot. Ges. Wien, xxvii, 693, 1878; SCHAUS, Trans. Ent. Soc. Lond., 287, 1901.

3126. *packardii* MORRISON, Ann. Lye. Nat. Hist. N. Y., xi, 92, 1875; PACKARD, C. 183. Tex.

DASYLOPHIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 362, 1864; C. 172.

3127. *anguina* SMITH & ABBOT, Lep. Ins. Ga., 167, 1797; PACKARD, C. 174. Atl. States, Col.

syn. *cuculifera* HERRICH-SCHAEFFER, *punctata* WALKER, *cana* WALKER, *signata* WALKER.

a. puntagorda SLOSSON, Can. Ent., xxiv, 129, 1892.

b. saturata BARNES, Can. Ent., xxxiii, 53, 1901.

3128. *thyatiroides* WALKER, Trans. Ent. Soc. Lond., (3), i, 79, 1862; PACKARD, C. 177. Atl. States.

syn. *interna* PACKARD, *tripartita* WALKER.

- *3129. *seriata* DRUCE, Biol. Cent. Am., Lep. Het., i, 235, 1887. Ariz., Mex.

syn. *melanopa* BARNES, Can. Ent., xxxiii, 54, 1901.

LITODONTA Harvey.

HARVEY, Can. Ent., viii, 5, 1876; PACKARD, C. 220.

3130. *hydromeli* HARVEY, Can. Ent., viii, 5, 1876; PACKARD, C. 253. Tex.

a. fusca HARVEY, Can. Ent., viii, 110, 1876.

HETEROCAMPA Doubleday.

DOUBLEDAY, Entom., 97, 1841; PACKARD, C. 220.

- *3131. *lineata* DRUCE, Biol. Cent. Am., Lep. Het., i, pl. 25, f. 11, 1887. Mex., Fla.?

3132. *astarte* DOUBLEDAY, Ent., 57, 1841; PACKARD, C. 247; SCHAUS, Trans. Ent. Soc. Lond., 302, 1901. So. States.

syn. *varia* WALKER, *menas* HARRIS.

3133. *obliqua* PACKARD, Proc. Ent. Soc. Phil., iii, 368, 1864; C. 242. No. Atl. States.

a. trouvelottii PACKARD, Proc. Ent. Soc. Phil., iii, 368, 1864.

syn. *brunnea* GROTE & ROBINSON.

3134. *picta* FELDER, Reise Nov., pl. 97, f. 19, 1874; So.
SCHAUS, Trans. Ent. Soc. Lond., 303, 1901. States.
- syn. *chapmani* GROTE, Bull. U. S. Geol. Surv.
Terr., vi, 258, 1891; PACKARD, C. 251; *perol-*
ivata PACKARD, Mem. Nat. Acad. Sci., vii,
246, 1895.
3135. *lunata* HY. EDWARDS, Pap., iv, 64, 1884; Pack- Ariz.,
ARD, C. 248. Mex.
- syn. *plumosa* HY. EDWARDS.
3136. *umbrata* WALKER, Cat. Brit. Mus., v, 1023, 1855; Atl.
PACKARD, C. 249; SCHAUS, Trans. Ent. Soc. States.
Lond., 302, 1901 (*pulverea* sp. distinct).
- syn. *semiplaga* WALKER, *pulverea* GROTE &
ROBINSON, *athereo* HARRIS.
3137. *manteo* DOUBLEDAY, Ent., 58, 1841; PACKARD, C. Atl.
224; DYAR, Ent. News, iv, 262, 1893. States.
- syn. *cinerascens* WALKER, *subalbicans* GROTE.
3138. *subrotata* HARVEY, Bull. Buff. Soc., i, 263, 1874; Tex.
PACKARD, C. 252.
- syn. *celtiphaga* HARVEY, *superba* HY. EDWARDS.
3139. *belfragei* GROTE, Can. Ent., xi, 209, 1879; PACK- Tex.
ARD, C. 250.
3140. *biundata* WALKER, Cat. Brit. Mus., v, 1025, 1855; Atl.
PACKARD, C. 235. States.
- syn. *olivatus* PACKARD, *mollis* WALKER.
3141. *guttivitta* WALKER, Cat. Brit. Mus., v, 992, 1855; Atl.
PACKARD, C. 230. States.
- syn. *albiplaga* WALKER, *micorea* HERRICH-
SCHAEFFER, *harrisii* PACKARD, *intodermi-*
nata WALKER, *doubledayi* SCUDDER, *cineurus*
PACKARD.
3142. *bilineata* PACKARD, Proc. Ent. Soc. Phil., iii, 359, Atl.
1864; C. 218. States.
- syn. *turbida* WALKER, *associata* WALKER, *ulmi*
HARRIS.

MISOGADA Walker.

WALKER, Cat. Brit. Mus., xxxii, 449, 1865; SCHAUS, Trans. Ent. Soc. Lond., 300, 1901.

3143. *unicolor* PACKARD, Proc. Ent. Soc. Phil., iii, 373, Atl.
1864; C. 254. States.
- syn. *marina* PACKARD, *cinerea* SCHAUS (not
PACKARD), *sobria* WALKER.

EUHYPARPAX Beutenmüller.

BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., v, 19, 1893; PACKARD, C. 187.

- *3144. *rosea* BEUTENMÜLLER, Bull. Am. Mus. Nat. Col.
Hist., v, 19, 1893; PACKARD, C. 188.

IANASSA Walker.

WALKER, Cat. Brit. Mus., v, 1101, 1855; PACKARD, C. 188; *Dicentria* HERRICH-SHAEFFER, Ausser. Schmett., i, 11, 1855; SCHAU, Trans. Ent. Soc. Lond., 296, 1901.

3145. *lignicolor* WALKER, Cat. Brit. Mus., v, 1101, 1855; PACKARD, C. 189. Atl. States.
 syn. *virgata* PACKARD, *lignigera* WALKER.
3146. *coloradensis* HY. EDWARDS, Ent. Amer., i, 17, 1885; PACKARD, C. 210. Col., N. Mex.
3147. *pallida* STRECKER, Lep. Rhop. Het., suppl. 2, 5, 1899. Col., Oreg.

SCHIZURA Doubleday.

DOUBLEDAY, Ent., 59, 1841; PACKARD, C. 192.

3148. *ipomœæ* DOUBLEDAY, Ent., 59, 1841; PACKARD, C. 194. U. S.
 syn. *biguttatus* PACKARD, *confusa* WALKER, *ducens* WALKER, *corticea* WALKER, *compta* WALKER, *nigrosignata* WALKER.
a. telifer GROTE, No. Am. Ent., 99, 1880.
b. cinereofrons PACKARD, Proc. Ent. Soc. Phil., iii, 366, 1864.
 syn. *ustipennis* WALKER.
3149. *concinna* SMITH & ABBOT, Lep. Ins. Ga., ii, 169, 1797; PACKARD, C. 212. U. S.
 syn. *nitida* PACKARD.
3150. *semirufescens* WALKER, Cat. Brit. Mus., xxxii, 450, 1865; SCHAU, Trans. Ent. Soc. Lond., 296, 1901. Atl. States.
 syn. *eximia* GROTE; PACKARD, C. 210.
a. perangulata HY. EDWARDS, Pap., ii, 125, 1882. Col.
3151. *unicornis* SMITH & ABBOT, Lep. Ins. Ga., ii, 170, 1797; PACKARD, C. 203. U. S.
 syn. *edmandsii* PACKARD, *humilis* WALKER, *conspicua* HY. EDWARDS.
3152. *apicalis* GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 15, 1886; PACKARD, C. 203. Atl. States.
3153. *badia* PACKARD, Proc. Ent. Soc. Phil., iii, 361, 1864; C. 208. Atl. States.
 syn. *significata* WALKER.
3154. *leptinoides* GROTE, Proc. Ent. Soc. Phil., iii, 323, 1864; PACKARD, C. 199. Atl. States.
 syn. *mustelina* PACKARD.

HYPARPAX Hübner.

HÜBNER, Samml. exot. Schmett., ii, 1824; PACKARD, C. 184.

3155. *aurora* SMITH & ABBOT, Lep. Ins. Ga., ii, 173, Atl.
1797; PACKARD, C. 184. States.
- syn. *rosca* WALKER. *venusta* WALKER.
3156. *venus* NEUMOEGEN, Can. Ent., xxiv, 226, 1892; Col.
PACKARD, C. 187.
3157. *perophoroides* STRECKER, Proc. Acad. Nat. Sci. Fla.
Phil., 152, 1876; PACKARD, C. 187.
- syn. *aurostriata* GRAEF.
- a. tyria* SLOSSON, Ent. News, v, 198, 1894.
- *3158. *aonides* STRECKER, Lep. Rhop. Het., suppl. 2, 4, N. Mex.
1899.

CERURA Schrank.

SCHRANK, Faun. Boica, ii, 155, 1802; PACKARD, C. 263; DYAR, Trans. Am. Ent. Soc.,
xxiv, 10, 1897.

3159. *scitisscripta* WALKER, Cat. Brit. Mus., xxxii, 408, Atl. States,
1865; PACKARD, C. 276. Mex.
- a. multiscripta* RILEY, Trans. St. Louis Acad.
Sci., iii, 241, 1875.
- b. candida* LINTNER, Ent. Cont., iv, 57, 1878.
3160. *occidentalis* LINTNER, Ent. Cont., iv, 82, 1878; Atl.
PACKARD, C. 268. States.

HARPYIA Ochseneheimer.

OCHSENHEIMER, Schmett. Eur., iii, 19, 1810; DYAR, Trans. Am. Ent. Soc., xxiv, 10, 1897.

3161. *borealis* BOISDUVAL, in Guérin, Icon. Règ. An., Atl.
pl. 88, f. 5. 1829; PACKARD, C. 264. States.
3162. *cinerea* WALKER, Cat. Brit. Mus., xxxii, 407, U. S.
1865; PACKARD, C. 273.
- a. cinereoides* DYAR, Can. Ent., xxii, 253, 1890.
- b. placida* DYAR, Psyche, vi, 291, 1892.
- c. paradoxa* BEHR, Bull. Cal. Acad. Sci., 64, 1885.
3163. *nivea* NEUMOEGEN, Can. Ent., xxiii, 124, 1891; Ariz.,
PACKARD, C. 273. Mont.
- a. meridionalis* DYAR, Psyche, vi, 291, 1892;
KUNZÉ, Jn. N. Y. Ent. Soc., vi, 188, 1898.
3164. *scolopendrina* BOISDUVAL, Ann. Soc. Ent. Belg., No.
xii, 86, 1870; PACKARD, C. 270. U. S.
- syn. *aquilonaris* LINTNER.
- a. modesta* HUDSON, Can. Ent., xxiii, 197, 1891.
- b. albicoma* STRECKER, Proc. Acad. Nat. Sci. Phil.,
284, 1884.

FENTONIA Butler.

BUTLER, Trans. Ent. Soc. Lond., 20, 1881; DYAR, Trans. Am. Ent. Soc., xxiv, 10, 1897.

3165. *marthesia* CRAMER, Pap. Exot., pl. 98, f. A, 1779; Atl.
PACKARD, C. 257. States.
- syn. *tesella* PACKARD, *turbida* WALKER.
- a. elongata* GROTE, Trans. Am. Ent. Soc., i, 182,
1867.
- syn. *dorothea* DYAR, Can. Ent., xxviii, 176,
1896.

GLUPHISIA Boisduval.

BOISDUVAL, Ind. Méth., 88, 1840; PACKARD, C. 89.

3166. *septentrionalis* WALKER, Cat. Brit. Mus., v, 1038, U. S.
1855; PACKARD, C. 90.
- syn. *clandestina* WALKER, *trilineata* PACKARD.
- a. ridenda* HY. EDWARDS, Ent. Amer., ii, 11,
1886; PACKARD, C. 93.
- b. quinquelinea* DYAR, Ent. News, iii, 158, 1892.
3167. *wrightii* HY. EDWARDS, Ent. Amer., ii, 11, 1886; S.-W.
PACKARD, C. 93. U. S.
- syn. *albofascia* HY. EDWARDS.
- a. rupta* HY. EDWARDS, Ent. Amer., ii, 12, 1886.
- b. formosa* HY. EDWARDS, Ent. Amer., ii, 12,
1886.
3168. *severa* HY. EDWARDS, Ent. Amer., ii, 167, 1886; No.
PACKARD, C. 96. U. S.
- a. danbyi* NEUMOEGEN, Can. Ent., xxiv, 225, 1892.
- b. avimacula* HUDSON, Ent. News, ii, 155, 1891.
- c. slossonii* PACKARD, Mem. Nat. Acad. Sci., vii,
97, 1895.
3169. *lintneri* GROTE, Can. Ent., ix, 85, 1877; PACK- No. Atl.
ARD, C. 96. States.

ELLIDA Grote.

GROTE, Can. Ent., viii, 125, 1876; PACKARD, C. 168.

3170. *caniplaga* WALKER, Cat. Brit. Mus., ix, 1856; Atl.
PACKARD, C. 169. States.
- syn. *transversata* WALKER, *gelida* GROTE.

HEMICERAS Guenée.

GUENÉE, Spec. Gén., vii, 379, 1852; SCHAUS, Trans. Ent. Soc. Lond., 333, 1901.

3171. *cadmia* GUENÉE, Spec. Gén., vii, 383, 1852; So.
SMITH, Bull. 44, U. S. Nat. Mus., 260, 1893. States.
- syn. *obliquilinea* WALKER.

CARGIDA Schaus.

SCHAUS, Trans. Ent. Soc. Lond., 267, 1901.

- *3172. *pyrrha* DRUCE, Biol. Cent. Am., Lep. Het., ii, Ariz.,
459, 1898. Mex.

CRINODES Herrich-Schaeffer.

HERRICH-SCHAEFFER, Ausser. Schmett., i, 11, 1855; SCHAUS, Trans. Ent. Soc. Lond., 276, 1901.

- *3172. 1. *beskei* HÜBNER, Samml. exot. Schmett., ii, Ariz.,
1824; SCHAUS, Trans. Ent. Soc. Lond., 276, 1901. Mex.

Family THYATIRIDÆ.

(C.=SMITH, Bull. 44, U. S. Nat. Mus., 27-29, 1893.)

HABROSYNE Hübner.

HÜBNER, Verz. bek. Schmett., 236, 1816; HAMPSON, Moths Ind., i, 178, 1892.

3173. *scripta* GOSSE, Can. Nat., 249, 1840; SMITH, C. No. Atl.
27; DYAR, Can. Ent., xxvii, 129, 1895. States.
- *3174. *chatfeldii* GROTE, Abhl. natur. Ver. Brem., xiv, No. Pac.
10, 1895. States.
3175. *rectangulata* OTTOLENGUI, Ent. News, viii, 25, Atl. States,
1897; WINN, Ent. News, viii, 99, 1897. Rocky Mts.

PSEUDOTHYATIRA Grote.

GROTE, Proc. Ent. Soc. Phil., iii, 539, 1865; SMITH, C. 28.

3176. *cymatophoroides* GUENÉE, Spec. Gén., v, 13, 1852; Atl.
SMITH, C. 25. States.
3177. *expultrix* GROTE, Proc. Ent. Soc. Phil., ii, 58, Atl.
1863; SMITH, C. 28. States.

THYATIRA Hübner.

HÜBNER, Verz. bek. Schmett., 236, 1816.

3178. *mexicana* HY. EDWARDS, Pap., iv, 16, 1884. Ariz., Mex.
syn. superba BARNES, Can. Ent., xxviii, 55,
1901.

EUTHYATIRA Smith.

SMITH, List. Lep. Bor. Am., 34, 1891; C. 27.

3179. *lorata* GROTE, Pap., i, 75, 1881; SMITH, C. 27. No. Pac.
States.
3180. *pudens* GUENÉE, Spec. Gén., v, 13, 1852; SMITH, No. Atl.
C. 29; DYAR, Can. Ent., xxvii, 129, 1895. States.
- a. anticostiensis* GROTE, Can. Ent., xviii, 215,
note, 1886.
- b. pennsylvanica* SMITH, Jr. N. Y. Ent. Soc., x,
34, 1902.

3181. *semicircularis* GROTE, Pap. i. 75, 1881; SMITH, C. 29. No. Pac. States.
- *3182. *candida* SMITH, Ent. Amer., vi, 179, 1890; C. 29. Fla.
- *3183. *tema* STRECKER, Lep. Rhop. Het., suppl. 1, 5, 1898. No. Pac. States.

BOMBYCIA Hübner.

HÜBNER, Tent., 1, 1816; SMITH, C. 29; DYAR, Can. Ent., xxvii, 129, 1895.

- *3184. *improvisa* HY. EDWARDS, Proc. Cal. Acad. Sci., v, 189, 1873; SMITH, C. 29. Pac. States.
- syn. *carlii* HY. EDWARDS.

Family LIPARIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 28-30, 57-60, 1894.)

GYNÆPHORA Hübner.

HÜBNER, Verz. bek. Schmett., 161, 1822; DYAR, Can. Ent., xxix, 15, 1897.

3185. *rossii* CURTIS, Ross Second Voyage, app., 70, 1835; NEUMOEGEN & DYAR, C. 59. Arctic Am.
3186. *grœnlandica* HOMEYER, Zweite deut. Nordp.-Fahrt, ii, 469, 1874; NEUMOEGEN & DYAR, C. 59. Arctic Am.

NOTOLOPHUS Germar.

GERMAR, Syst. Gloss. Prod., 35, 1812; NEUMOEGEN & DYAR, C. 28.

3187. *antiqua* LINNÆUS, Syst. Nat., i, 503, 1758; NEUMOEGEN & DYAR, C. 28. No. U. S. Eur.
- syn. *nova* FITCH.
- a. *badia* HY. EDWARDS, Proc. Cal. Acad. Sci., v, 188, 1874; NEUMOEGEN & DYAR, C. 29.
- *3188. *oslari* BARNES, Can. Ent., xxxii, 45, 1900. Col.
- syn. *libera* STRECKER, Lep. Rhop. Het., suppl. 3, 29, 1900.

HEMEROCAMPA Dyar.

DYAR, Can. Ent., xxix, 15, 1897.

3189. *vetusta* BOISDUVAL, Ann. Soc. Ent. Fr., x, 322, 1852; NEUMOEGEN & DYAR, C. 29. Cal.
- a. *cana* HY. EDWARDS, Pap., i, 61, 1881.
- b. *gulosus* HY. EDWARDS, Pap., i, 61, 1881.
3190. *leucostigma* SMITH & ABBOT, Lep. Ins. Ga., ii, pl. 79, 1797; NEUMOEGEN & DYAR, C. 30. Atl. States.
- syn. *leucographa* GEYER, *intermedia* FITCH, *borealis* FITCH, *obliviosa* HY. EDWARDS.

3191. *inornata* BEUTENMÜLLER, Psyche, v, 300, 1890; NEUMOEGEN & DYAR, C. 30; DYAR, Psyche, ix, 143, 1900. Atl. States.

syn. *falcata* SCHAUS, JR. N. Y. Ent. Soc., iv, 153, 1896; DRUCE, Biol. Cent. Am., Lep. Het., ii, 411, pl. 79, f. 7, 1897.

3192. *definita* PACKARD, Proc. Ent. Soc. Phil., iii, 332, 1864; NEUMOEGEN & DYAR, C. 29. Atl. States.

OLENE Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 19, 1823; NEUMOEGEN & DYAR, C. 30.

3193. *achatina* SMITH & ABBOT, Lep. Ins. Ga., ii, pl. 77, 1797; NEUMOEGEN & DYAR, C. 57. Atl. States.

syn. *parallela* GROTE & ROBINSON.

- a. tephra* HÜBNER, Samml. exot. Schmett., i, 1805; NEUMOEGEN & DYAR, C. 57.

syn. *obliquata* GROTE & ROBINSON.

- b. cinnamomea* GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 6, 1866.

3194. *leucophæa* SMITH & ABBOT, Lep. Ins. Ga., ii, pl. 78, 1797; NEUMOEGEN & DYAR, C. 57. Atl. States.

- a. basiflava* PACKARD, Proc. Ent. Soc. Phil., iii, 332, 1864.

- b. atrivenosa* PALM, JR. N. Y. Ent. Soc., i, 21, 1893.

- c. manto* STRECKER, Lep. Rhop. Het., suppl. 3, 29, 1900.

3195. *plagiata* WALKER, Cat. Brit. Mus., iv, 199, 1855; NEUMOEGEN & DYAR, C. 58. Atl. States.

syn. *atomaria* WALKER, *dintonii* GROTE & ROBINSON.

PORTHETRIA Hübner.

HÜBNER, Verz. bek. Schmett., 160, 1822; NEUMOEGEN & DYAR, C. 58.

3196. *dispar* LINNÆUS, Syst. Nat., i, 501, 1758; FERNALD, Gypsy Moth, 257, 1896. Mass., Eur.

EUPROCTIS Hübner.

HÜBNER, Verz. bek. Schmett., 159, 1822; KIRBY, Cat. Lep. Het., i, 442, 1892; DYAR, Can. Ent., xxix, 16, 1897.

3197. *chrysorrhæa* LINNÆUS, Syst. Nat., 502, 1758; KIBBY, Cat. Lep. Het., i, 442, 1892; FERNALD & KIRKLAND, Brown Tail Moth, Sp. Bull. Mass. Agr. Coll., 1897. Mass., Eur.

DOA Neumoegen & Dyar.

NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 171, 1894.

3198. **ampla** GROTE, Can. Ent., x, 232, 1878; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 155, 1893. Ariz., Col.

LEUCULODES Dyar.

Leucula HULST (not GUENÉE), Trans. Am. Ent. Soc., xxiii, 317, 1896.

3199. **lacteolaria** HULST, Ent. Amer., ii, 51, 120, 1887. Ariz.

Family LASIOCAMPIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 152-160, 1894.)

GLOVERIA Packard.

PACKARD, Rep. Peab. Acad., iv, 89, 1872; NEUMOEGEN & DYAR, C. 159.

3200. **dolores** NEUMOEGEN & DYAR, Ent. News, iv, 290, 1893; C. 159. Col.
3201. **arizonensis** PACKARD, Rep. Peab. Acad., iv, 90, 1872; NEUMOEGEN & DYAR, C. 159. Ariz.
syn. *dentata* HY. EDWARDS.
3202. **medusa** STRECKER, Ent. News, ix, 13, 1898. Cal.
- *3203. **gargamella** STRECKER, Proc. Acad. Nat. Sci. Phil., 286, 1884; NEUMOEGEN & DYAR, C. 159. Ariz.
3204. **psidii** SALLÉ, Ann. Soc. Ent. Fr., (2), v, 16, 1857; KIRBY, Cat. Lep. Het., 834, 1892. Ariz., Mex.
3205. **diazoma** GROTE, Pap., i, 175, 1881; NEUMOEGEN & DYAR, C. 159. Ariz.
3206. **howardi** DYAR, Jn. N. Y. Ent. Soc., iv, 22, 1896. Ariz.

ARTACE Walker.

WALKER, Cat. Brit. Mus., vi, 1491, 1855.

3207. **punctistriga** WALKER, Cat. Brit. Mus., vi, 1491, 1855; NEUMOEGEN & DYAR, C. 157. So. Atl. States.
syn. *rubripalpis* FELDER.

TOLYPE Hübner.

HÜBNER, Verz. bek. Schmett., 189, 1822; NEUMOEGEN & DYAR, C. 157.

3208. **velleda** STOLL, Suppl. Cram. Pap. Exot., pl. lii, f. 4, 1791; NEUMOEGEN & DYAR, C. 158. Atl. States.
3209. **glenwoodi** BARNES, Can. Ent., xxiii, 47, 1900. Col.

3210. *distincta* FRENCH, Can. Ent., xxii, 45, 1890; Col.
NEUMOEGEN & DYAR, C. 158.
3211. *laricis* FITCH, Second Report Ins. N. Y., 262, Atl.
1856; NEUMOEGEN & DYAR, C. 158. States.
syn. *minuta* GROTE.
3212. *brevicrista* DYAR, Can. Ent., xxviii, 246, 1895. N. Mex.

HYPOPACHA Neumoegen & Dyar.

NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 29, 1893.

- *3213. *grisea* NEUMOEGEN, Pap., ii, 134, 1882; NEU- Ariz.
MOEGEN & DYAR, C. 157.

MALACOSOMA Hübner.

HÜBNER, Verz. bek. Schmett., 192, 1822; KIRBY, Cat. Lep. Het., i, 819, 1892; DYAR,
Can. Ent., xxx, 6, 1898.

3214. *americana* FABRICIUS, Syst. Ent., iii, 433, 1793; Atl.
NEUMOEGEN & DYAR, C. 155. States.
syn. *decipiens* WALKER, *frutetorum* BOIS-
DUVAL.
3215. *fragilis* STRETCH, Pap., i, 64, 1881; NEUMOEGEN Rocky Mts.
& DYAR, C. 155. to Cal.
a. incurva HY. EDWARDS, Pap., ii, 125, 1882.
syn. *discolorata* NEUMOEGEN.
b. mus NEUMOEGEN, Can. Ent., xxv, 4, 1893.
c. constrictina NEUMOEGEN & DYAR, Jn. N. Y.
Ent. Soc., i, 30, 1893.
syn. *lutescens* NEUMOEGEN & DYAR.
d. perlutea NEUMOEGEN & DYAR, Jn. N. Y. Ent.
Soc., i, 31, 1893.
3216. *pluvialis* DYAR, Can. Ent., xxv, 42, 1893; NEU- No. Pac.
MOEGEN & DYAR, C. 156. States.
3217. *ambisimilis* DYAR, Can. Ent., xxv, 40, 1893; Cal.
NEUMOEGEN & DYAR, C. 156.
3218. *californica* PACKARD, Proc. Ent. Soc. Phil., iii, Cal.
357, 1864; NEUMOEGEN & DYAR, C. 156.
syn. *pseudoneustria* BOISDUVAL.
3219. *constricta* STRETCH, Pap., i, 65, 1881; NEU- Cal.
MOEGEN & DYAR, C. 157.
syn. *californica* WALKER (not PACKARD).
a. strigosa STRETCH, Pap., i, 67, 1881.

3220. *tigris* DYAR, Proc. Ent. Soc. Wash., v, 38, 1902. Rocky Mts.
3221. *disstria* HÜBNER, Verz. bek. Schmett., 122, 1822; U. S.
NEUMOEGEN & DYAR, C. 154.
syn. *drupacearum* BOISDUVAL.
a. sylvatica HARRIS, Rep. Ins. Mass., 271, 1841.
b. thoracicoides NEUMOEGEN & DYAR, Jn. N. Y.
Ent. Soc., i, 30, 1893.
c. erosa STRETCH, Pap., i, 64, 1881.
d. sylvaticoides NEUMOEGEN & DYAR, Jn. N. Y.
Ent. Soc., i, 30, 1893.
e. thoracica STRETCH, Pap., i, 68, 1881.
f. perversa NEUMOEGEN & DYAR, Jn. N. Y. Ent.
Soc., i, 30, 1893.

HETEROPACHA Harvey.

HARVEY, Bull. Buff. Soc. Nat. Sci., i, 262, 1874; NEUMOEGEN & DYAR, C. 153.

3222. *rileyana* HARVEY, Bull. Buff. Soc. Nat. Sci., i, Miss.
262, 1874; NEUMOEGEN & DYAR, C. 154. Vall.

EPICNAPTERA Rambur.

RAMBUR, Cat. Lep. And., 344, 1866; NEUMOEGEN & DYAR, C. 152.

3223. *americana* HARRIS, Rep. Ins. Mass., 273, 1841; U. S.
NEUMOEGEN & DYAR, C. 153.
syn. *occidentis* WALKER, *carpinifolia* BOIS-
DUVAL.
a. ferruginea PACKARD, Proc. Ent. Soc. Phil., iii,
386, 1864; NEUMOEGEN & DYAR, C. 153.
b. roseata STRETCH, Zyg. Bomb. N. A., pl. 4, f.
12, 1872.
syn. *mildei* STRETCH.
c. californica PACKARD, Rep. Peab. Acad., iv, 91,
1872.
d. dyari RIVERS, Can. Ent., xxv, 144, 1893.

Family BOMBYCIDÆ.

BOMBYX Linnæus.

LINNÆUS, Syst. Nat., i, 499, 1758.

3224. *mori* LINNÆUS, Syst. Nat., i, 499, 1758; NEU- (Cultivated.)
MOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 118,
1894.

Family PLATYPTERYGIDÆ.

(C. = NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 61-62, 1894.)

EUDEILINEA Packard.

PACKARD, Rept. Peab. Acad., v, 68, 1873; NEUMOEGEN & DYAR, C. 61.

3225. *herminiatâ* GUENÉE, Spec. Gén., x, 58, 1857; Atl.
NEUMOEGEN & DYAR, C. 61. States.
a. biseriata PACKARD, Fifth Rept. Peab. Acad.
Sci., 68, 1873.

ORETA Walker.

WALKER, Cat. Brit. Mus., v, 1116, 1855; NEUMOEGEN & DYAR, C. 61.

3226. *rosea* WALKER, Cat. Brit. Mus., v, 1164, 1855; Atl.
NEUMOEGEN & DYAR, C. 61. States.
syn. *americana* HERRICH-SCHAEFFER, *formula*
GROTE.
a. marginata WALKER, Cat. Brit. Mus., v, 1165,
1855.
3227. *irrorata* PACKARD, Proc. Ent. Soc. Phil., iii, 377, Atl.
1864; NEUMOEGEN & DYAR, C. 61. States.
- *3228. *adona* STRECKER, Lep. Rhop. Het., suppl. 3, 30, Fla.
1900.

DREPANA Schrank.

SCHRANK, Fauna Boica, ii, (2), 155, 1802; KIRBY, Cat. Lep. Het., i, 730, 1892.

3229. *arcuata* WALKER, Cat. Brit. Mus., v, 1164, 1855; Atl.
NEUMOEGEN & DYAR, C. 62. States.
syn. *fabula* GROTE.
a. genicula GROTE, Proc. Acad. Nat. Sci. Phila.,
59, 1862; NEUMOEGEN & DYAR, C. 62.
3230. *siculifer* PACKARD, Rept. Peab. Acad., iv, 87, No. Pac.
1872; NEUMOEGEN & DYAR, C. 62. States.

FALCARIA Haworth.

HAWORTH, Lep. Brit., ii, 147, 1809; NEUMOEGEN & DYAR, C. 62.

3231. *bilineata* PACKARD, Proc. Ent. Soc. Phil., iii, Atl.
376, 1864; NEUMOEGEN & DYAR, C. 62. States.
a. levis HUDSON, Can. Ent., xxv, 24, 1893.

Family GEOMETRIDÆ.

By GEORGE D. HULST.

(C.=PACKARD, Mon. Geom., Rept. U. S. Geol. Surv. Terr., Hayden, x, 1876.)

Subfamily DYSPTERIDINÆ.

DYSPTERIS Hübner.

HÜBNER, Verz. bek. Schmett., 286, 1818; HERRICH-SCHAEFFER, Auss. Schmett., i, 27, 1854; GUENÉE, Spec. Gén., ix, 361, 1857; PACKARD, C. 368; HULST, Trans. Am. Ent. Soc., xxiii, 250, 1896.

3232. *abortivaria* HERRICH - SCHAEFFER, Auss. Schmett., f. 346, 1855; PACKARD, C. 368; FRENCH, Trans. Dept. Agr. Ill., xv, 238, 1877. Atl. States.

CYSTEOPTERYX Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 250, 1896.

- *3233. *viridata* PACKARD, Fifth Rept. Peab. Acad. Sci., 56, 1873; C. 182. Atl. States.

NYCTOBIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 251, 1896.

3234. *limitata* WALKER, Cat. Brit. Mus., xxi, 487, 1860; PACKARD, C. 457; HULST, Ent. News, vi, 43, 1895. Atl. States.

syn. *lobophorata* WALKER, Cat. Brit. Mus., xxv, 1347, 1862; *vernata* PACKARD, Fifth Rept. Peab. Acad. Sci., 57, 1873; C. 183; GROTE, Can. Ent., ix, 27, 1877.

3235. *fusifasciata* WALKER, Cat. Brit. Mus., xxv, 1258, 1862; HULST, Ent. News, vi, 43, 1895. Atl. States.

syn. *longipennis* WALKER, Cat. Brit. Mus., xxxv, 1671, 1866; GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 82, 1868; *anguilineata* GROTE, Ann. Lyc. Nat. Hist. N. Y., viii, pl. 15A, f. 16, 1867; PACKARD, C. 184.

- *3236. *nigroangulata* STRECKER, Lep. Rhop. Het., suppl. 2, 10, 1899. Pac. States.

CLADORA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 251, 1896.

3237. *atroliturata* WALKER, Cat. Brit. Mus., xxv, 1710, 1862; GROTE & ROBINSON, Tr. Am. Ent. Soc., ii, 83, 1868; HULST, Ent. News, vi, 43, 1895. Atl. States.

syn. *geminata* GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 29, 1866; PACKARD, C. 184.



OPHEROPTERA Hübner.

HÜBNER, Verz. bek. Schmett., 321, 1818; PACKARD, C. 197; HULST, Trans. Am. Ent. Soc., xxiii, 151, 1896; *Cheimatobia* STEPHENS, Nom. Brit. Ins., 44, 1829; WESTWOOD & HUMPHREYS, Brit. Moths, ii, 57, 1849.

3238. *boreata* HÜBNER, Schm. Eur., f. 414, 1820; PACKARD, C. 198; DIMMOCK, Psyche, iv, 243, 1885; HULST, Tr. Am. Ent. Soc., xxiii, 252, 1896; HOFMANN, Gross. Sch. Eur., 199, 1894; KIRBY, Eur. Butt., 388, 1882. Arctic No. Am., Eur.

PARAPTERA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 252, 1896.

- *3239. *danbyi* HULST, Trans. Am. Ent. Soc., xxiii, 252, 1896. No. Pac. States.

RACHELA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 253, 1896.

3240. *bruceata* HULST, Ent. Amer., ii, 123, 1886. No. Atl. States.
3241. *hyperborea* HULST, Trans. Am. Ent. Soc., xxiii, 254, 1896. Alaska.
3242. *occidentalis* HULST, Trans. Am. Ent. Soc., xxiii, 254, 1896. No. Pac. States.
- *3243. *latipennis* HULST, Trans. Am. Ent. Soc., xxiii, 254, 1896. Cal.

Subfamily HYDRIOMENINÆ.

PALEACRITA Riley.

RILEY, Trans. Acad. Sci. St. Louis, iii, 273, 1875; HULST, Trans. Am. Ent. Soc., xxiii, 257, 1896.

- *3244. *longiciliata* HULST, Can. Ent., xxx, 113, 1898. Cal.
3245. *vernata* PECK, Mass. Mag., 323, 415, 1795; PACKARD, C. 402; RILEY, Rep. Ins. Mo., i, 109; ii, 94; vi, 28; vii, 80; viii, 13, 1874; SAUNDERS, Ins. Inj. Fr., 61, 1883; PACKARD, Bull. U. S. Ent. Comm., vii, 61, 1882; RILEY, Rept. U. S. Ent. Comm., iii, 157, 170, 1882; FRENCH, Ill. Rept., vii, 110, 239, 1877; HULST, Ent. Amer., iv, 51, 1888. Atl. States, Col., Cal.
- syn. *sericeiferata* WALKER, Cat. Brit. Mus., xxv, 1697, 1862; PACKARD, C. 454; HULST, Ent. News, vi, 42, 1895; *autumnata* PACKARD, C. 400.
- a. merriccata* DYAR (dark gray, the discal dot large, white, dark edged; other markings broken and reduced).

- *3246. *speciosa* HULST, Can. Ent., xxx, 113, 1898. Col.

ALSOPHILA Hübner.

HÜBNER, Verz. bek. Schmett., 320, 1818; STEPHENS, Cat. Brit. Lep., 160, 1850; HULST, Trans. Am. Ent. Soc., xxiii, 257, 1896; *Aisopteryx*, STEPHENS, Cat. 116, 1829; PACKARD, C. 399; KIRBY, Eur. Butt., 356, 1881; HOFMANN, Gr. Schm. Eur., 146, 1894.

3247. *pometaria* HARRIS, Inj. Ins. Mass., 333, 1841; RILEY, Rept. Ins. Mo., ii, 97; vi, 29; vii, 80; viii, 13, 1874; PACKARD, Guide Stud. Ins., 324, 1869; C. 402; MANN, Can. Ent., viii, 164, 1876; JAEGER, N. A. Ins., 175, 1871; SAUNDERS, Ins. Inj. Fr., 65, 1883; RILEY, Rept. U. S. Ent. Comm., iii, 150, 1882; FRENCH, Ill. Rept., vii, 238, 1877; HULST, Ent. Amer., iv, 56, 1888; Ent. News, vi, 42, 1895; HINDS, Can. Ent., xxxiii, 185, 1901; DYAR, Psyche, ix, 262, 1901.
syn. *restituens* WALKER, Cat. Brit. Mus., xxv, 1697, 1862.

EUDULE Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 14, 1825; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 118, 1893; HULST, Trans. Am. Ent. Soc., xxiii, 157, 1896; *Ameria* WALKER, Cat. Brit. Mus., ii, 554, 1854; *Euphanessa* PACKARD, Proc. Ent. Soc. Phil., iii, 102, 1864.

3248. *mendica* WALKER, Cat. Brit. Mus., ii, 576, 1854; PACKARD, Proc. Ent. Soc. Phil., iii, 102, 1864; C. 33; SAUNDERS, Can. Ent., iii, 227, 1871; CLEMENS, Proc. Ent. Soc. Phil., i, 543, 1860; RILEY, Rept. Ins. Mo., ix, 6, 1877; Ent. Amer., i, 170, 1885; SMITH, Ent. Amer., i, 179, 1885; BUTLER, Trans. Ent. Soc. Lond., 371, 1877; HULST, Ent. Amer., i, 167, 1885, ii, 221, 1887; STRETCH, Zyg. Bomb. N. A., 53, 1872; LUCOCK, Can. Ent., xxx, 248, 1898; DYAR, Psyche, ix, 189, 1901.
syn. *visciata* HERRICH-SCHAEFFER, Auss. Schm., f. 441, 1858.

3249. *meridiana* SLOSSON, Ent. Amer., v, 7, 1889. So. Atl. States.
*3250. *hyalina* HULST, Can. Ent., xxx, 114, 1898. Ariz.
3251. *unicolor* ROBINSON, Ann. N. Y. Lyc. Nat. Hist., ix, 153, 1869; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 118, 1893. Tex., Col., Ariz.

EUCESTIA Hübner.

HÜBNER, Verz. bek. Schmett., 322, 1818; MEYRICK, Trans. Ent. Soc. Lond., 69, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 259, 1896; *Lithostege* HÜBNER, Verz. bek. Schmett., 337, 1818; *Aploccera* STEPHENS, Cat. 141, 1829; *Anaitis* DUPONCHEL, Hist. Nat., viii, 350, 1829; *Chesias* DUPONCHEL, Hist. Nat., viii, 497, 1829; HOFMANN, Gr. Schm. Eur., 197, 1894.

- *3252. *rotundata* PACKARD, Sixth Rept. Peab. Acad. Sci., 39, 1874; C. 196. Cal., Ariz.
a. arizonata GROTE, Can. Ent., xv, 126, 1883.

PHILOPSIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 259, 1896.

3253. *nivigerata* WALKER, Cat. Brit. Mus., xxiv, 1259, 1862; PACKARD, C. 185; HULST, Ent. News, vi, 43, 1895. U. S.
 syn. *inæquiliata* PACKARD, C. 180.

AGIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 159, 1896.

- *3254. *eborata* HULST, Trans. Am. Ent. Soc., xxiii, 260, 1896. Atl. States.

TALLEDEGA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 260, 1896.

3255. *montanata* PACKARD, Sixth Rept. Peab. Acad. Sci., 40, 1874; C. 181. No. U. S.
 syn. *nocticolata* HULST, Bull. Brook. Ent. Soc., iv, 26, 1881.
3256. *tabulata* HULST, Trans. Am. Ent. Soc., xxiii, 26, 1896. N.-W. U. S.

SCOLIDACANTHA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 261, 1896.

3257. *triseriata* PACKARD, Sixth Rept. Peab. Acad. Sci., 39, 1874; C. 195. Col.
3258. *virginata* GRAEF, Bull. Brook. Ent. Soc., iii, 96, 1880. Col., Ariz., Cal.

CARSIA Hübner.

HÜBNER, Verz. bek. Schmett., 336, 1818; GUENÉE, Spec. Gén., ix, 493, 1857; MEYRICK, Trans. Ent. Soc. Lond., 69, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 261, 1896; *Larissa* CURTIS, Brit. Ent., vii, 324, 1830; *Celma* STEPHENS, Ill. Brit. Ent., Haust., iii, 242, 1831.

3259. *paludata* THUNBERG, Mus. Acad. Nat., 76, 1788; PACKARD, C. 186; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 301, 1884; HOFMANN, Gr. Schm. Eur., 197, 1894. Arctic Am., Eur.
 syn. *sororiata* HÜBNER, *sororaria* HERRICH-SCHAEFFER, *primaria* EVERSMAAN, Bull. Mosc., ii, 639, 1851; *boreata* PACKARD, *alpina* PACKARD.

a. imbutata HÜBNER, Schm. Eur., pl. 68, f. 405, 1796; PACKARD, C. 186; WESTWOOD & HUMPHREYS, Brit. Moths, ii, 43, 1849.

NANNIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 262, 1896.

3260. *refusata* WALKER, Cat. Brit. Mus., xxiii, 891, 1861; HULST, Ent. News, vi, 43, 1895. No. Atl. States.
syn. *harvejata* PACKARD, C. 193.
- *3261. *morensata* HULST, Trans. Am. Ent. Soc., xxiii, 262, 1896. Miss. Vall.

HETEROPHLEPS Herrich-Schaeffer.

HERRICH-SCHAEFFER, Ausser. Schmett., 62, 1854; PACKARD, C. 192.

3262. *triguttaria* HERRICH - SCHAEFFER; Ausser. Schmett., f. 202, 1854; PACKARD, C. 193. U. S.
syn. *quadrinotata* WALKER, Cat. Brit. Mus., xxvi, 1759, 1862; HULST, Ent. News, vi, 105, 1895; SCHAUS, Proc. Zool. Soc. Lond., 647, 1896; *hexaspilata* WALKER, Cat. Brit. Mus., xxxv, 1653, 1866; HULST, Ent. News, vi, 42, 1895.

CHLOROCLYSTIS Hübner.

HÜBNER, Verz. bek. Schmett., 323, 1818; MEYRICK, Trans. Ent. Soc. Lond., 65, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 263, 1896.

- *3263. *inconspicua* HULST, Trans. Am. Ent. Soc., xxiii, 264, 1896. Cal.

GYMNOCELIS Mabille.

MABILLE, Ann. Soc. Ent. Fr., 77, 1869; MEYRICK, Trans. Ent. Soc. Lond., 65, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 264, 1896.

- *3264. *inferior* HULST, Trans. Am. Ent. Soc., xxiii, 264, 1896. Cal.
- *3265. *gypsata* GROTE, Can. Ent., xiv, 188, 1882. Ariz.
3266. *desperata* HULST, Trans. Am. Ent. Soc., xxiii, 264, 1896. Tex.
3267. *minuta* HULST, Trans. Am. Ent. Soc., xxiii, 265, 1896. So. Cal.

TEPHROCLYSTIS Hübner.

HÜBNER, Verz. bek. Schmett., 323, 1818; MEYRICK, Trans. Ent. Soc. Lond., 65, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 265, 1896; *Dyscymatoge* HÜBNER, *Tarachia* HÜBNER, *Areyonia* HÜBNER, *Leucocora* HÜBNER, *Eupithecia* CURTIS, Brit. Ent., ii, 64, 1825; PACKARD, C. 47; v. GUMPPENBERG, Nov. Act. Halle, lii, 153, 1888; MEYRICK, Trans. Ent. Soc. Lond., 192, 1892; *Nycterosca* HULST, Trans. Am. Ent. Soc., xxiii, 263, 1896.

- *3268. *misturata* HULST, Trans. Am. Ent. Soc., xxiii, 266, 1896. U. S.

3269. *nebulosa* HULST, Trans. Am. Ent. Soc., xxiii, 266, 1896. Atl. States.
- *3270. *scriptaria* HERRICH-SCHAEFFER, Schm. Eur., iii, 121, 1847; GUENÉE, Spec. Gén., ix, 312, 1857; MÖSCHLER, Stett. ent. Zeit., 122, 1883; v. GUMPPENBERG, Nov. Act. Halle, lii, 180, 1888; HOFMANN, Gross. Schm. Eur., 215, 1894. Lab.
3271. *implicata* WALKER, Cat. Brit. Mus., xxiv, 1241, 1862; PACKARD, C. 64; HULST, Ent. Amer., iii, 114, 1887; Ent. News, vi, 70, 1895. N.-E., U. S.
3272. *luteata* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 46, 1867; C. 57; v. GUMPPENBERG, Nov. Act. Halle, lii, 252, 1888. No. Atl. States.
syn. palpata PACKARD, Fifth Report Peab. Acad. Sci., 58, 1873; C. 57.
- *3273. *hyperboreata* STAUDINGER, Stett. ent. Zeit., 400, 1861; v. GUMPPENBERG, Nov. Act. Halle, lii, 187, 1888. Greenl.
- *3274. *edna* HULST, Trans. Am. Ent. Soc., xxiii, 266, 1896. Col.
- *3275. *subcolorata* HULST, Can. Ent., xxx, 114, 1898. Ariz.
3276. *ornata* HULST, Trans. Am. Ent. Soc., xxiii, 267, 1896. Rocky Mts., No. Cal.
3277. *miserulata* GROTE, Proc. Ent. Soc. Phil., ii, 32, 1863; PACKARD, C. 52; Bull. U. S. Ent. Comm., vii, 248, 1881; COQUILLET, Pap., i, 56, 1881; RILEY, Ins. Life, iii, 345, 1891; HULST, Ent. News, vi, 70, 1895; v. GUMPPENBERG, Nov. Act. Halle, lii, 173, 1888. Atl. States.
a. californiata v. GUMPPENBERG, Nov. Act. Halle, lii, 174, 1888. Cal.
- *3278. *interruptofasciata* PACKARD, Fifth Rept. Peab. Acad. Sci., 59, 1873; C. 52; COQUILLET, Ill. Rept., xi, 23, 1881; Pap., i, 56, 1881; SAUNDERS, Ins. Inj. Fr., 352, 1885; v. GUMPPENBERG, Nov. Act. Halle, lii, 174, 1888. Atl. States.
- *3279. *leucata* HULST, Trans. Am. Ent. Soc., xxiii, 267, 1896. Rocky Mts.
3280. *niveifascia* HULST, Can. Ent., xxx, 115, 1898. N. Mex., Oreg.
- *3281. *inornata* HULST, Trans. Am. Ent. Soc., xxiii, 276, 1896. Atl. States.

- *3282. *albicapitata* PACKARD, C. 48; v. GUMPPENBERG, Nov. Act. Halle, lii, 254, 1888. Can., Col.
- *3283. *insolabilis* HULST, Jn. N. Y. Ent. Soc., viii, 215, 1901. Ariz.
3284. *rotundopuncta* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 395, 1871; v. GUMPPENBERG, Nov. Act. Halle, lii, 245, 1888. N. Mex., Cal.
syn. *rotundopunctata* PACKARD, C. 55.
- *3285. *annulata* HULST, Trans. Am. Ent. Soc., xxiii, 267, 1896. Cal.
- *3286. *borealis* HULST, Can. Ent., xxx, 114, 1898. Manitoba.
- *3287. *latipennis* HULST, Can. Ent., xxx, 114, 1898. Can.
3288. *plumbaria* HULST, Can. Ent., xxxii, 112, 1900. Atl. States.
- *3289. *flavigutta* HULST, Trans. Am. Ent. Soc., xxiii, 268, 1896. Col.
- *3290. *coloradensis* HULST, Trans. Am. Ent. Soc., xxiii, 268, 1896. Col.
- *3291. *sierræ* HULST, Trans. Am. Ent. Soc., xxiii, 268, 1896. Col.
- *3292. *cretata* HULST, Trans. Am. Ent. Soc., xxiii, 269, 1896. Cal.
- *3293. *brunneipennis* HULST, Trans. Am. Ent. Soc., xxiii, 263, 1896. Cal.
3294. *absinthiata* CLERCK, Icones, vi, 9, 1759; LINNÆUS, Faun. Suec., 339, 1761; HÜBNER, Schmett. Eur., 453, 1820; v. GUMPPENBERG, Nov. Act. Halle, lii, 246, 1888; HOFMANN, Gr. Schm. Eur., 218, 1894. U. S., Eur.
syn. *minutata* TREITSCHKE, Schm. Eur., vi, (2), 105, 1828; *notata* STEPHENS, Ill., iii, 286, 1831; *elongata* HAWORTH, Brit. Ent., 358, 1829; *absynthiata* GUENÉE, Spec. Gén., ix, 340, 1857; CREWE, Ent. Ann., 140, 1861; SNELLEN, Tidj. v. Ent., 137, 1866; PACKARD, C. 49; GOODELL, Can. Ent., ix, 62, 1877; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 319, 1884; *coagulata* GUENÉE, *geminata* PACKARD.
3295. *fumosa* HULST, Trans. Am. Ent. Soc., xxiii, 269, 1896. Atl. States.
3296. *longipalpata* PACKARD, Geom. Moths., C. 56, 1876. Pac. States.

- *3297. *mæstosa* HULST, Trans. Am. Ent. Soc., xxiii, 269, 1896. Col.
- *3297. 1. *lachrymosa* HULST, Can. Ent., xxxii, 103, 1900. Oreg.
- *3298. *nimbicolor* HULST, Trans. Am. Ent. Soc., xxiii, 269, 1896. No. Rocky Mts., Cal.
3299. *perfusca* HULST, Can. Ent., xxx, 116, 1898. Utah, Wash.
3300. *zygænidata* PACKARD, C. 51; v. GUMPPENBERG, Nov. Act. Halle, lii, 249, 1888. Atl. States, Col.
3301. *plenoscripta* HULST, Can. Ent., xxxii, 103, 1900. Wyo.
3302. *nimbosa* HULST, Trans. Am. Ent. Soc., xxiii, 269, 1896. Cal., Ariz.
- *3302. 1. *bolteri* HULST, Can. Ent., xxxii, 102, 1900. Tex.
- *3303. *longidens* HULST, Trans. Am. Ent. Soc., xxiii, 270, 1896. Col.
- *3303. 1. *tenebrescens* HULST, Can. Ent., xxxii, 103, 1900. Tex.
- *3304. *multistrigata* HULST, Trans. Am. Ent. Soc., xxiii, 270, 1896. Col., Utah.
- *3305. *multiscripta* HULST, Trans. Am. Ent. Soc., xxiii, 270, 1896. Col.
- *3306. *laisata* STRECKER, Lep. Rhop. Het., suppl. 2, 11, 1899. Cal.
- *3307. *stellata* HULST, Trans. Am. Ent. Soc., xxiii, 270, 1896. Col.
3308. *febilis* HULST, Proc. Wash. Acad. Sci., ii, 497, 1900. Alaska.
- *3309. *obscurior* HULST, Trans. Am. Ent. Soc., xxiii, 271, 1896. Cal.
3310. *bivittata* HULST, Trans. Am. Ent. Soc., xxiii, 271, 1896. Cal.
- *3311. *golgata* STRECKER, Lep. Rhop. Het., suppl. 2, 11, 1899. Nev.
3312. *behrensata* PACKARD, C. 59; HULST, Ent. Amer., iv, 49, 1886. Cal.
- *3313. *unicolor* HULST, Trans. Am. Ent. Soc., xxiii, 271, 1896. Col., Cal.
3314. *subapicata* GUENÉE, Spec. Gén., ix, 331, 1857; PACKARD, C. 62; GROTE, Can. Ent., xv, 27, 1883; v. GUMPPENBERG, Nov. Act. Halle, lii, 240, 1888. Cal.
syn. *occidentalis* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 404, 1871.

3315. *acutipennis* HULST, Can. Ent., xxx, 115, 1898. Cal.
3316. *cestata* HULST, Trans. Am. Ent. Soc., xxiii, 271, 1896. Cal.
- *3317. *nevadata* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 395, 1871; C. 61; v. GUMPPENBERG, Nov. Act. Halle, lii, 229, 1888. Pac. States.
- *3318. *implorata* HULST, Trans. Am. Ent. Soc., xxiii, 272, 1896. Cal.
3319. *raveocostaliata* PACKARD, C. 60; v. GUMPPENBERG, Nov. Act. Halle, lii, 217, 1888. Pac. States.

CYSTEOPHORA Hulst.

HULST, Jn. N. Y. Ent. Soc., viii, 215, 1901.

3320. *pervertipennis* HULST, Jn. N. Y. Ent. Soc., viii, 215, 1901; DYAR, Proc. Ent. Soc. Wash., iv, 457, 1901. Fla.

EUCYMATOGE Hübner

HÜBNER, Verz. bek. Schmett., 325, 1818; MEYRICK, Trans. Ent. Soc. Lond., 67, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 272, 1896; *Hyppèuritis* HÜBNER, *Orthonana* HÜBNER, *Horisma* HÜBNER, Verz. bek. Schmett., 329, 331, 1818; *Phibalapteryx* STEPHENS, Cat., 138, 1829; PACKARD, C. 168; *Collis* GUENÉE, Spec. Gén., x, 357, 1857; KIRBY, Eur. Butt., 368, 1882.

3321. *tenuata* HULST, Bull. Brook. Ent. Soc., iii, 45, 1880. Col.
- *3322. *gelidata* MÖSCHLER, Wien ent. Monats., iv, 47, 1860; Stett. ent. Zeit., 122, 1883; PACKARD, C. 64; STAUDINGER, Cat. Lep. Eur., 195, 1871; v. GUMPPENBERG, Nov. Act. Halle, lii, 201, 1888. Labr.
3323. *anticaria* WALKER, Cat. Brit. Mus., xxv, 1241, 1862; PACKARD, C. 64; HULST, Ent. News, vi, 70, 1895. Atl. States.
- syn. *explanata* WALKER, Cat. Brit. Mus., xxv, 1242, 1862; PACKARD, C. 64; HULST, Ent. News, vi, 70, 1895; *strattonata* PACKARD, Fifth Rept. Peab. Acad. Sci., 60, 1883; C. 58; v. GUMPPENBERG, Nov. Act. Halle, lii, 230, 1888.
- *3324. *graefii* HULST, Trans. Am. Ent. Soc., xxiii, 273, 1896. Wash.
3325. *grandis* HULST, Trans. Am. Ent. Soc., xxxii, 273, 1896. Wash., Oreg.

- *3326. *gillei* HULST, *Can. Ent.*, xxx, 116, 1898. Col.
3327. *intestinata* GUENÉE, *Spec. Gén.*, ix, 432, 1857; PACKARD, *C.* 170; HULST, *Ent. News*, vi, 43, 1895; v. GUMPPENBERG, *Nov. Act. Halle*, lii, 153, 1888. U. S.
- syn. *impleta* WALKER, *Cat. Brit. Mus.*, xxxv, 1683, 1866; *indoctrinata* WALKER, *Cat. Brit. Mus.*, xxvi, 1722, 1862.
- *3328. *vitalbata* DENIS & SCHIFFERMÜLLER, *Syst. Verz. Wien*, 109, 1776; HÜBNER, *Schmett. Eur.*, 269, 1820; TREITSCHKE, *Eur. Schmett.*, vi, (2), 66, 1828; DUPONCHEL, *Hist. Nat.*, viii, 197, 1838; GUENÉE, *Spec. Gén.*, ix, 437, 1857; WALKER, *Cat. Brit. Mus.*, xxv, 1337, 1862; HULST, *Trans. Am. Ent. Soc.*, xxiii, 272, 1896; v. GUMPPENBERG, *Nov. Act. Halle*, lii, 145, 1888; HOFMANN, *Gr. Schmett. Eur.*, 210, 1894. Can., Eur.

VENUSIA Curtis.

- CURTIS, *Brit. Ent.*, 759, 1839; MEYRICK, *Trans. Ent. Soc. Lond.*, 75, 1892; HULST, *Trans. Am. Ent. Soc.*, xxiii, 273, 1896.
3329. *cambrica* CURTIS, *Brit. Ins.*, xvi, 1839; WOOD, *Ind. Ent.*, suppl., 1724, 1839; LEDERER, *Verh. zool.-bot. Ges. Wien*, xix, 101, 1853; HULST, *Ent. News*, vi, 70, 1895; HOFMANN, *Gr. Schm. Eur.*, 204, 1894. U. S., Eur.
- syn. *cambricaria* GUENÉE, *Spec. Gén.*, ix, 440, 1857; PACKARD, *C.* 85; MÖSCHLER, *Verh. zool.-bot. Ges. Wien*, 303, 1884; *erutaria* DUPONCHEL, *Hist. Nat.*, suppl., 4, 1842; BOISDUVAL, *Ind. Méth.*, 203, 1840; HERRICH-SCHAEFFER, *Schm. Eur.*, 258, 1856; *nebulosaria* FREYER, *Beit. Ges. Eur. Schm.*, 546, 1831; *scitularia* WALKER, *Cat. Brit. Mus.*, xxi, 406, 1860; HULST, *Ent. Amer.*, iii, 114, 1887.
3330. *duodecemlineata* PACKARD, *Proc. Bost. Soc. Nat. Hist.*, xvi, 19, 1874; *C.* 84; BUTLER, *Pap.*, i, 222, 1881. U. S.
3331. *comptaria* WALKER, *Cat. Brit. Mus.*, xxi, 406, 1860; HULST, *Ent. News*, vi, 70, 1895. Atl. States.
- syn. *condensata* WALKER, *Cat. Brit. Mus.*, xxv, 1273, 1862; PACKARD, *C.* 166; *inclinataria* WALKER, *Cat. Brit. Mus.*, xxvi, 1727, 1862; *inclinata* HULST, *Sm. List Lep. Bor. Am.*, no. 3929, 1891; *perlincata* PACKARD, *Proc. Bost. Soc. Nat. Hist.*, xvi, 19, 1874; *C.* 83.

EUCHÆCA Hübner.

HÜBNER, Verz. bek. Schmett., 298, 1818; MEYRICK, Trans. Ent. Soc. Lond., 74, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 274, 1896; MEYRICK, Proc. Linnæan Soc. N. S. Wales, ii, 811, 1887; *Hydralia* HÜBNER, Verz. bek. Sch., 322, 1818; KIRBY, Eur. Butt., 389, 1882; *Trichodezia* WARREN, Nov. Zool., ii, 119, 1895.

3332. *albovittata* GUENÉE, Spec. Gén., ix, 520, 1857; Atl. States:
PACKARD, C. 189; HULST, Ent. News, vi, 42, 1895. to Alaska.
syn. *propriaria* WALKER, Cat. Brit. Mus., xxv,
1293, 1862; *reciprocata* WALKER, Cat. Brit.
Mus., xxv, 1294, 1862.
a. albofasciata GROTE, Proc. Ent. Soc. Phil., ii,
66, 1863; Trans. Kans. Acad. Sci., viii, 51, 1878;
Can. Ent., viii, 28, 1876; PACKARD, C. 166.
3333. *californiata* PACKARD, Proc. Bost. Soc. Nat. Hist., Pac.
xiii, 404, 1871; C. 189. States.
3334. *cretacea* PACKARD, Sixth Rept. Peab. Acad. Sci., U. S.
40, 1874; Proc. Bost. Soc. Nat. Hist., xvi, pl. 1,
f. 3, 1874; C. 63; BUTLER, Pap., i, 223, 1881; v.
GUMPPENBERG, Nov. Act. Halle, lii, 249, 1888.
3335. *lucata* GUENÉE, Spec. Gén., ix, 437, 1857; PACK- Ill.,
ARD, C. 326. Man.
- *3336. *albifera* WALKER, Cat. Brit. Mus., xxxv, 1625, Atl.
1866; HULST, Ent. News, vi, 105, 1895. States.
syn. *albovilvaria* MORRISON, Proc. Bost. Soc.
Nat. Hist., xvi, 194, 1874; PACKARD, C. 325;
triseriata PACKARD, Sixth Rept. Peab. Acad.
Sci., 50, 1874; C. 325.
a. brunneifasciata PACKARD, C. 324, 1876.

EPIRRITA Hübner.

HÜBNER, Tent., 1810; PACKARD, C. 82; HULST, Trans. Am. Ent. Soc., xxiii, 274, 1896; *Asthena* HÜBNER, Verz. bek. Schmett., 310, 1818; PACKARD, C. 324; MEYRICK, Trans. Ent. Soc. Lond., 74, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 274, 1896; *Oporina* HÜBNER, Verz. bek. Schmett., 321, 1818; *Minoa* TREITSCHKE, Schm. Eur., vi, (2), 248, 1827; STAUDINGER, Cat. Lep. Eur., 178, 1871; v. GUMPPENBERG, Nov. Act. Halle, xlix, 365, 1887; *Oporabia* STEPHENS, Ills., iii, 273, 1831; GUENÉE, Spec. Gén., ix, 261, 1857.

3337. *dilutata* DENIS & SCHIFFERMÜLLER, Syst. Verz. Atl.
Wien, 109, 1776; PACKARD, C. 87; FITCH, Fifth States,
Rept. Ins. N. Y., 842, 1858; BRUCE, Pap., ii, 82, Col.,
1882; HOFMANN, Gr. Sch. Eur., 205, 1894. Eur.
syn. *dilutaria* FREYER, *impluviata* BORK-
HAUSEN, Eur. Schmett., v, 291, 1794; *in-*
scriptata DONOVAN, Nat. Hist., xv, pl., 517,
1816; *fimbriata* HAWORTH, Lep. Brit., 320,
1829.
a. autumnata GUENÉE, Spec. Gén., x, 264, 1857.

CORYPHISTA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 275, 1896.

- *3338. *meadii* PACKARD, Sixth Rept. Peab. Acad. Sci., Pac. States,
41, 1874; Rept. Geol. Surv. Terr., v, 551, 1875. New Mex.
syn. *meadiata* PACKARD, C. 176.
3339. *badiaria* HY. EDWARDS, Ent. Amer., i, 50, 1885; Pac.
v. GUMPPENBERG, Nov. Act. Halle, lii, 136, States,
1888. Col.

HYDRIA Hübner.

HÜBNER, Tent., 1810; PACKARD, C. 171; *Calocalpe* HÜBNER, Verz. bek. Schmett., 330,
1818; MEYRICK, Trans. Ent. Soc. Lond., 70, 1892; HULST, Trans. Am. Ent. Soc.,
xxiii, 275, 1896; *Eucosmia* STEPHENS, Ills., iii, 265, 1831; STAUDINGER, Cat. Lep.
Eur., 78, 1871; v. GUMPPENBERG, Nov. Act. Halle, lii, 139, 1888.

3340. *undulata* LINNÆUS, Syst. Nat., 524, 1758; U. S.,
FITCH, Fourteenth Rept. Ins. N. Y., 355, 1870; Eur.
PACKARD, C. 172; MÖSCHLER, Verh. zool.-bot.
Ges. Wien, 301, 1884; HULST, Ent. Amer., ii, 162,
1886; v. GUMPPENBERG, Nov. Act. Halle, lii, 140,
1888; HOFMANN, Gr. Sch. Eur., 200, 1894; DYAR,
Psyche, ix, 9, 1900.

CATOCLOTHIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 275, 1896; *Cyclieu* GROTE (not LATREILLE), Can.
Ent., xiv, 174, 1882; HULST, Trans. Am. Ent. Soc., xxiii, 275, 1896.

- *3341. *frondaria* GROTE, Can. Ent., xiv, 174, 1882; xv, Ariz.
27, 1883.

PHILEREME Hübner.

HÜBNER, Verz. bek. Schmett., 330, 1818; PACKARD, C. 174; MEYRICK, Trans. Ent.
Soc. Lond., 70, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 276, 1896; *Scotosia* STE-
PHENS, Brit. Ins., 44, 1829; LEDERER, Verh. zool.-bot. Ges. Wien, 252, 1853; v. GUM-
PPENBERG, Nov. Act. Halle, lii, 137, 1888; HOFMANN, Gr. Sch. Eur., 200, 1894.

3342. *californiata* PACKARD, Proc. Bost. Soc. Nat. Cal.
Hist., xiii, 399, 1871; C. 175.
- *3343. *multivagata* HULST, Bull. Brook. Ent. Soc., iv, Ont., Col.,
26, 1881. B. C.
- *3344. *nigrescens* HULST, Can. Ent., xxxii, 104, 1900. Oreg.
- *3345. *formosa* HULST, Trans. Am. Ent. Soc., xxiii, 276, Col.,
1896. Man.
- *3346. *optimata* STRECKER, Lep. Rhop. Het., suppl. 2, Wash.
11, 1899.

PHYLACE Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 277, 1896.

3347. *luteolata* HULST, Trans. Am. Ent. Soc., xxiii, 277, 1896. Rocky Mts.

EUSTROMA Hübner.

HÜBNER, Verz. bek. Schmett., 335, 1818; MEYRICK, Trans. Ent. Soc. Lond., 71, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 277, 1896; *Euphia* HÜBNER, Verz. bek. Schmett., 336, 1818; *Electra* STEPHENS, Cat. 135, 1829; *Steganolophia* STEPHENS, Cat. 135, 1829; WESTWOOD & HUMPHREYS, Brit. Ins., ii, 39, 1849.

3348. *diversilineata* HÜBNER, Samml. exot. Schm., i, 1, 2, 3, 4, 1806; PACKARD, C. 128; FRENCH, Trans. Dep. Agr. Ill., xv, 237, 1877; BRUCE, Ent. Amer., iii, 50, 1887; SAUNDERS, Can. Ent., ii, 74, 1870.
a. gracilineata GUENÉE, Spec. Gén., x, 476, 1857. Atl. States.
3349. *testata* LINNÆUS, Faun. Suec., 1262, 1761; PACKARD, C. 122; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 302, 1884. Atl. States, Eur.
syn. achatinata HÜBNER, Schm. Eur., 301, 1796; PACKARD, C. 122.
3350. *populata* LINNÆUS, Syst. Nat., 525, 1758; PACKARD, C. 124; MÖSCHLER, Wien. ent. Mon., iv, 375, 1860; Stett. ent. Zeit., 120, 1883; Verh. zool.-bot. Ges. Wien, 302, 1884; HOFMANN, Gr. Schm. Eur., 201, 1894; HULST, Ent. News, vi, 43, 1895. No. U. S., Eur.
syn. dotata CLERCK, *propulsata* WALKER, *molliculata* WALKER; PACKARD, C. 132; *packardata* LINTNER, Ent. Cont., iv, 113, 1878.
a. remotata WALKER, Cat. Brit. Mus., xxv, 1388, 1862; PACKARD, C. 132.
b. similis WALKER, Cat. Brit. Mus., xxv, 1425, 1862.
c. cervinifascia WALKER, Cat. Brit. Mus., xxv, 1184, 1862; PACKARD, C. 131.
- *3351. *destinata* MÖSCHLER, Wien. ent. Mon., iv, 46, 1860; Stett. ent. Zeit., 120, 1883; PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 48, 1867. No. U. S.
a. lugubrata MÖSCHLER, Wien. ent. Mon., 136, 1862; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3295 a, 1901.
3352. *prunata* LINNÆUS, Syst. Nat., 526, 1758; PACKARD, C. 116; HOFMANN, Gr. Schm. Eur., 200, 1894. No. U. S., Eur.
syn. ribesiaris BOISDUVAL, *triangulatum* PACKARD, *montanatum* PACKARD.

3353. *nubilata* PACKARD, Proc. Bost. Soc. Nat. Hist.,
xiii, 400, 1871. Pac.
States.
syn. *semiatratum* HULST, Bull. Brook. Ent.
Soc., iv, 26, 1881.
3354. *atrocolorata* GROTE, Ann. N. Y. Lyc. Nat. Hist.,
viii, 31, 1867; PACKARD, C. 121. Atl.
States.
3355. *explanata* WALKER, Cat. Brit. Mus., xxv, 1422,
1862; HULST, Ent. News, vi, 44, 1895. Atl. States,
Col.
3356. *cunigerata* WALKER, Cat. Brit. Mus., xxvi, 1726,
1862; PACKARD, C. 114; HULST, Ent. News, vi,
44, 1895. Atl.
States.
syn. *disjunctaria* PACKARD.

NEOLEXIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 278, 1896.

3357. *xylina* HULST, Trans. Am. Ent. Soc., xxiii, 278,
1896. No. U. S.
- *3358. *speciosa* HULST, Trans. Am. Ent. Soc., xxiii,
279, 1896. Alberta,
Can.

RHEUMAPTERA Hübner.

HÜBNER, Tent., 1810; PACKARD, C. 150; *Cosmorhoe* HÜBNER, *Plemyria*, HÜBNER; MEY-
RICK, Trans. Ent. Soc. Lond., 71, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 279,
1896; *Epirrhoe* HÜBNER, *Eulypa* HÜBNER, *Melanippe* DUPONCHIEL.

3359. *hastata* LINNÆUS, Syst. Nat., 527, 1758; PACK-
ARD, C. 164; MÖSCHLER, Verh. zool.-bot. Ges.
Wien, 306, 1884; STRECKER, Surv. Dept. Mo.,
Ruffner, app., 1861, 1878; DIMMOCK, Psyche,
iv, 243, 1885; HULST, Ent. News, vi, 73, 1895. No. U. S.,
Eur.
a. gothicata GUENÉE, Spec. Gén., x, 388, 1857;
PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 46,
1867.
syn. *furcifascia* WALKER, Cat. Brit. Mus.,
xxv, 1294, 1862; *hecate* BUTLER, Ann. Mag.
Nat. Hist., (5), i, 448, 1878; Ill. Lep. Het.
B. M., iii, 55, 1879.
b. hastulata HÜBNER, Eur. Schmett., 356, 1820.
c. subhastata NOLCKEN, Verh. zool.-bot. Ges.
Wien, xx, 68, 1870.
d. thulearia HERRICH-SCHAEFFER, Eur. Schmett.,
iii, 156, 1850; GUENÉE, Spec. Gén., ix, 389,
1857; WALKER, Cat. Brit. Mus., xxv, 1282,
1862.
e. moestata NOLCKEN, Verh. zool.-bot. Ges.
Wien, xx, 68, 1870.
syn. *hastulata* GUENÉE (not HÜBNER), Spec.
Gén., ix, 389, 1857; STAUDINGER, Stett.
ent. Zeit., 397, 1861.

3360. *tristata* LINNÆUS, Syst. Nat., 526, 1758; PACKARD, C. 162; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 306, 1884; HOFMANN, Gr. Schm. Eur., 207, 1894.
syn. *limbopunctata* NOLCKEN, Lep. Faun., i, 270, 1868.
3361. *sociata* BORKHAUSEN, Eur. Schmett., v, 432, 1794; STAUDINGER, Cat. Lep. Eur., 188, 1871.
syn. *substriata* HAWORTH, *degenerata* HAWORTH, *alchemillata* SCHIFFERMÜLLER, *alchemillaria* FREYER, *virata* DUPONCHEL.
- *3362. *luctuata* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 316, 1776 (not desc.); HÜBNER, Bei. Ges. Schm., ii, 4, 3, T, 1792; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3444, 1901.
syn. *luctuaria* HERRICH-SCHAEFFER, *transversata* THUNBERG, *lugubrata* STAUDINGER, Cat. Lep. Eur., 189, 1871; PACKARD, C. 161.
a. obductata MÖSCHLER, Wien. ent. Mon., 374, 1860; HULST, Ent. News, vi, 70, 1895.
b. concordata WALKER, Cat. Brit. Mus., xxv, 1295, 1862.
c. kodiakata PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 23, 1874.
- *3363. *delimitata* WARREN, Nov. Zool., ii, 114, 1895.
3364. *georgii* HULST, Trans. Am. Ent. Soc., xxiii, 280, 1896.
3365. *rubrosuffusata* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 402, 1871; C. 143; BUTLER, Pap., i, 223, 1881.

ZENOPHLEPS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 280, 1896.

3366. *lignicolorata* PACKARD, Sixth Rept. Peab. Acad. Sci., 42, 1874; Proc. Bost. Soc. Nat. Hist., xvi, pl. 1, f. 11, 1874; C. 138; HULST, Ent. News, vi, 104, 1896.
- *3367. *obscurata* HULST, Trans. Am. Ent. Soc., xxiii, 281, 1896.

ENCHORIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 281, 1896.

- *3368. *osculata* HULST, Trans. Am. Ent. Soc., xxiii, 281, 1896.
3369. *albifasciata* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, pl. 1, f. 5, 1874; C. 97.



PERCNOPTILOTA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 282, 1896.

3370. *fluviata* HÜBNER, Eur. Schm., 280, 1820; PACKARD, C. 78; MILLIÈRE, Ann. Soc. Linn. Lyon, 50, 1868; KIRBY, Eur. Butt., 365, 1882; MÖSCHLER, Ver. zool.-bot. Ges. Wien, 304, 1884; HOFMANN, Gr. Sch. Eur., 205, 1894; HULST, Ent. News, vi, 70, 1895; DYAR, Psyche, viii, 429, 1899.

U. S.,
Eur.

syn. *fluviaria* HERRICH-SCHAEFFER, *gemmata* HÜBNER, *gemmaria* HERRICH-SCHAEFFER, *angustata* HAWORTH, *eragitata* WALKER, Cat. Brit. Mus., xxv, 1331, 1862; *perucata* WALKER, Cat. Brit. Mus., xxv, 1421, 1862; *obruptata* WALKER, Cat. Brit. Mus., xxv, 1713, 1862; *signataria* WALKER, Cat. Brit. Mus., xxv, 1718, 1862; *alternata* WALKER, Cat. Brit. Mus., xxxv, 1681, 1866; *pigrata* WALKER, Cat. Brit. Mus., xxxv, 1681, 1866; *mediata* WALKER, Cat. Brit. Mus., xxv, 1338, 1862; *intrusata* WALKER, Cat. Brit. Mus., xxv, 1339, 1862; *lapillata* GUENÉE, Spec. Gén., ix, 430, 1857; *baccata* GUENÉE, Spec. Gén., ix, 430, 1857; ? *plemyrata* FELDER, Reise Nov., pl. 132, f. 15, 1874.

MESOLEUCA Hübner.

HÜBNER, Verz. bek. Schmett., 326, 1818; HULST, Trans. Am. Ent. Soc., xxiii, 282, 1896; *Glaucopteryx* HÜBNER, PACKARD, C. 66; *Melanthia* DUPONCHEL, Hist. Nat., viii, 252, 1829; BOISDUVAL, Gen. Ind., 216, 1840; STEPHENS, List. Ins. Br. Mus., 213, 1850; *Campyogramma* STEPHENS, Ill., iii, 263, 1831; GUENÉE, Spec. Gén., ix, 422, 1857; WALKER, Cat. Brit. Mus., xxv, 1323, 1862; WESTWOOD & HUMPHREYS, Brit. Moths, ii, 51, 1849.

3371. *ruficiliata* GUENÉE, Spec. Gén., ix, 382, 1857; PACKARD, C. 153; EMMONS, Nat. Hist. N. Y. Agr., v, 249, 1854.

No.
U. S.

3372. *gratulata* WALKER, Cat. Brit. Mus., xxv, 1273, 1862; PACKARD, C. 166; HULST, Ent. News, vi, 43, 1895.

Pac.
States.

syn. *brunneiciliata* PACKARD, Sixth Rept. Peab. Acad. Sci., 42, 1874; C. 152.

3373. *cæsiata* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 112, 1776; BORKHAUSEN, Eur. Schmett., v, 351, 1794; PACKARD, C. 67; KIRBY, Eur. Butt., 383, 1882; MÖSCHLER, Stett. ent. Zeit., 122, 1883; Verh. zool.-bot. Ges. Wien, 305, 1884; BUTLER, Pap., i, 222, 1881; HOFMANN, Gr. Schm. Eur., 205, 1894; GROTE, Bull. Geol. Surv. Terr., Hayden, vi, 591, 1882.

No. U. S.,
Eur.

syn. *cæsaria* FREYER, *infrequentata* HAWORTH, *aurata* PACKARD.

- a. annosata* ZETTERSTEDT, Ins. Lap., 962, 1840.
- b. glaciata* GERMAR, Faun. Ins. Eur., xv, f. 18, 1835; ZETTERSTEDT, Ins. Lap., 959, 1840.
- c. gelata* GUENÉE, Spec. Gén., x, 271, 1857.
- d. inventaria* GROTE, Bull. Geol. Surv. Terr., Hayden, vi, 591, 1882.
3374. *lacustrata* GUENÉE, Spec. Gén., ix, 395, 1857; No. U. S.,
PACKARD, C. 158. Eur.
3375. *implicata* GUENÉE, Spec. Gén., x, 284, 1857; Cal.,
PACKARD, C. 71. Wis.
- syn. *multilineata* PACKARD.
3376. *intermediata* GUENÉE, Spec. Gén., x, 395, 1857; Atl.
PACKARD, C. 157; DYAR, Psyche, viii, 438, 1899. States.
- *3377. *brunneomaculata* BATES, Can. Ent., xviii, 74, Mass.
1886.
3378. *variata* DENIS & SCHIFFERMÜLLER, Syst. Verz. Alaska,
Wien, 110, 1776; STAUDINGER & REBEL, Cat. Eur.
Lep. Eur., i, no. 3306, 1901; DYAR, Proc. Wash. Acad. Sci., ii, 495, 1900.
3379. *truncata* HUFNAGEL, Berl. Mag., iv, 602, 1769; No. U. S.,
PACKARD, C. 105; STAUDINGER & REBEL, Cat. Eur.
Lep. Eur., i, no. 3319, 1901; STRECKER, Surv. Dept. Mo., suppl., 1864, 1878. Eur.
- syn. *centumnotata* SCHULZ, *russata* DENIS & SCHIFFERMÜLLER, *russaria* HERRICH-SCHAEFFER, *commanotata* HAWORTH, *staurata* STEPHENS, ? *infuscata* TENGSTRÖM, Cat. 30, 320, 1869; *mulleolata* HULST, Bull. Brook. Ent. Soc., iv, 26, 1881; ? *transversata* KELLICOTT, Bull. Buff. Soc., v, 45, 1886; HULST, Ent. News, vi, 106, 1895 (type lost).
- a. brunneata* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 47, 1861; C. 108.
- b. suspectata* MÖSCHLER, Stett. ent. Zeit., xxv, 160, 1874; xxxv, 121, 1884; PACKARD, C. 130.
3380. *immanata* HAWORTH, Lep. Brit., 323, 1810; No. U. S.,
STAUDINGER & REBEL, Cat. Lep. Eur., i, no. Eur.
3320, 1901.
- syn. *atrifasciata* HULST, Ent. Amer., iii, 214, 1887; Ent. News, vi, 43, 1895.
- a. marmorata* HAWORTH, Lep. Brit., 324, 1810.
- syn. *amœnata* STEPHENS, *passeraria* FREYER, ? *citrata* LINNÆUS.
- b. unicolorata* STAUDINGER, Cat. Lep. Eur., 184, 1871.

3381. *silacea* HÜBNER, Samml. ausser. Schmett. u. Mont.,
Vögel, 100, 1793; STAUDINGER & REBEL, Cat. Eur.
Lep. Eur., i, 307, 1901.
- a. deflavata* STAUDINGER, Cat. Lep. Eur., 191,
1871; Stett. ent. Zeit., 122, 1883; MÖSCH-
LER, Verh. zool.-bot. Ges. Wien, 306, 1884.
3382. *albolineata* PACKARD, Fifth Rept. Peab. Acad., No. Atl.
55, 1873; C. 120. States.
3383. *hersiliata* GUENÉE, Spec. Gén., x, 464, 1857; PACK- Col.
ARD, C. 111; HULST, Ent. News, vi, 43, 1895.
syn. flumifera WALKER, Cat. Brit. Mus.,
xxiv, 1184, 1862.
- *3384. *ethela* HULST, Trans. Am. Ent. Soc., xxiii, 283, Cal.
1896.
3385. *abacta* HULST, Can. Ent., xxx, 117, 1898. Ariz.
3386. *vasaliata* GUENÉE, Spec. Gén., x, 407, 1857; U. S.
PACKARD, C. 167; HULST, Ent. News, vi, 103,
1895.
syn. rigidata WALKER, Cat. Brit. Mus., xxvi,
1727, 1862; PACKARD, C. 133.
a. niveifascia HULST, Can. Ent., xxx, 115, 1898;
Jn. N. Y. Ent. Soc., viii, 216, 1901.

HYDRIOMENA Hübner.

HÜBNER, Verz. bek. Schmett., 322, 1818; PACKARD, C. 90; MEYRICK, Proc. Linn. Soc. N. S. Wales, ii, 819, 1887; Trans. Ent. Soc. Lond., 72, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 283, 1896; *Euphyia* HÜBNER, ?*Perizoma* HÜBNER, ?*Eutephria* HÜBNER, *Chloroclysta* HÜBNER, *Dysstroma* HÜBNER, Verz. bek. Schmett., 333, 1818; *Harpalyce* STEPHENS, *Ypsiptes* STEPHENS, *Emmelesia* STEPHENS, Cat. ii, 147, 1829; *Mæsia* STEPHENS, *Polyphrasia* STEPHENS, *Euthalia* STEPHENS, *Thera* STEPHENS, Ills., iii, 271, 1831; *Phasyte* DUPONCHEL, Cat. Méth., 254, 1844; *Ceratodalia* PACKARD, C. 322.

3387. *sordidata* FABRICIUS, Ent. Syst., 185, 1794; PACK- No. U. S.,
ARD, C. 96; MÖSCHLER, Verh. zool.-bot. Ges. Eur.
Wien, 306, 1884; HOFMANN, Gr. Schm. Eur., 209,
1894.
syn. rectangulata FABRICIUS, *bicolorata* BORK-
HAUSEN, *birivata* BORKHAUSEN.
- a. elutata* HÜBNER, Schmett. Eur., 224, 1820?;
STAUDINGER & REBEL, Cat. Lep. Eur., i, no.
3485a, 1901.
- b. nubilifasciata* PACKARD, Proc. Bost. Soc. Nat.
Hist., xiii, 398, 1871; C. 98.
- c. quinquefasciata* PACKARD, Proc. Bost. Soc. Nat.
Hist., xiii, 379, 1871.
- d. viridata* PACKARD, Proc. Bost. Soc. Nat. Hist.,
xvi, 21, 1874.
- e. bistrisolata* ZELLER, Verh. zool.-bot. Ges. Wien,
xxii, 493, 1873; PACKARD, C. 94.
- f. glaucata* PACKARD, Proc. Bost. Soc. Nat. Hist.,
xvi, 20, 1876.

3388. **autumnalis** STRÖMEYER, Kgl. Vid. Skr.-Sel., 85, 1783; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3486, 1901. Pac. States, Eur.
 syn. *trifasciata* BORKHAUSEN, *impluviata* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 109, 1776 (not desc.); *pluviata* GUENÉE, *divisaria* WALKER, Cat. Brit. Mus., xxi, 489, 1860; *renunciata* WALKER, Cat. Brit. Mus., xxv, 1187, 1862; *frigidata* WALKER, Cat. Brit. Mus., xxv, 1729, 1862; HULST, Ent. News, xi, 43, 1895.
3389. **pernotata** HULST, Can. Ent., xxx, 117, 1898. Alaska.
3390. **tæniata** STEPHENS, Ills., iii, 299, 1831; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3324, 1901; HULST, Ent. News, vi, 103, 1895. No. U. S., Eur.
 syn. *arctata* ZELLER, *arctaria* HERRICH-SCHAEFFER, *albimacularia* FREYER, *explagata* WALKER, Cat. Brit. Mus., xxv, 1728, 1862; PACKARD, C. 133; *basaliata* WALKER, Cat. Brit. Mus., xxv, 1184, 1862; PACKARD, C. 154; *fulvida* BUTLER.
3391. **californiata** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 396, 1871; C. 94. Pac. States, Ariz., Mont.
- *3392. **speciosata** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 22, 1874; C. 102. Tex., Cal., Ariz.
- *3393. **reflata** GROTE, Can. Ent., xiv, 186, 1882. Rocky Mts.
3394. **similaris** HULST, Trans. Am. Ent. Soc., xxiii, 284, 1896. Col., Nev.
3395. **contracta** PACKARD, Fifth Rept. Peab. Acad., 56, 1873; C. 89. Me.
- *3396. **sparsimacula** HULST, Trans. Am. Ent. Soc., xxiii, 285, 1896. Cal.
3397. **banavahrata** STRECKER, Lep. Rhop. Het., suppl. 2, 11, 1899. Cal.
3398. **occidens** HULST, Can. Ent., xxx, 180, 1898. Oreg.
- *3399. **herbicolata** HULST, Trans. Am. Ent. Soc., xxiii, 285, 1896. Cal.
- *3400. **floridata** WALKER, Cat. Brit. Mus., xxv, 1719, 1862; HULST, Ent. News, vi, 105, 1895 (type lost). Fla.
3401. **multiferata** WALKER, Cat. Brit. Mus., xxv, 1715, 1862; PACKARD, C. 81. No. U. S.
3402. **latirupta** WALKER, Cat. Brit. Mus., xxxv, 1684, 1866; PACKARD, C. 169; HULST, Ent. News, vi, 43, 1895. U. S.
 syn. *lascinata* ZELLER, Verh. zool.-bot. Ges. Wien, 205, 1873.

- *3403. *curvilinea* HULST, Trans. Am. Ent. Soc., xxiii, 286, 1896. Brit. Col.
- *3404. *immediata* GROTE, Can. Ent., xiv, 184, 1882 (type lost). N. Y.
3405. *costiguttata* HULST, Trans. Am. Ent. Soc., xxiii, 286, 1896. Cal., Oreg.
3406. *custodiata* GUENÉE, Spec. Gén., ix, 491, 1857; WALKER, Cat. Brit. Mus., xxv, 1438, 1862; HULST, Ent. News, vi, 104, 1895. Pac. States, Rocky Mts.
syn. *gueneata* PACKARD, C. 141.
- *3407. *excurvata* GROTE, Can. Ent., xv, 123, 1883. Mont., B. C.
syn. *gueneata* PACKARD, C. 323.
- *3408. *mirabilata* GROTE, Can. Ent., xv, 123, 1883. Rocky Mts.
- *3409. *unangulata* HAWORTH, Lep. Brit., 332, 1829; PACKARD, C. 159; HOFMANN, Gr. Schm. Eur., 207, 1894; HULST, Ent. News, vi, 70, 1896. U. S., Eur.
syn. *unangularia* HERRICH-SCHAEFFER, *congregata* WALKER, Cat. Brit. Mus., xxv, 1264, 1862.
- *3410. *amorata* HULST, Can. Ent., xxxii, 104, 1900. Cal.
3411. *neomexicana* HULST, Trans. Am. Ent. Soc., xxiii, 285, 1896. Rocky Mts., Cal., Fla.
3412. *grandiosa* HULST, Can. Ent., xxx, 118, 1898. Fla., Ariz.
3413. *australata* HULST, Ent. Amer., i, 205, 1886. Fla.
- *3414. *albata* HULST, Trans. Am. Ent. Soc., xxiii, 284, 1896. Ariz.
- *3415. *elisata* STRECKER, Lep. Rhop. Het., suppl. 2, 11, 1899. Atl. States.

TRIPHOSA Stephens.

STEPHENS, Cat., 44, 1829; PACKARD, C. 177; v. GUMPPENBERG, Nov. Act. Halle, lii, 129, 1888; HOFMANN, Gr. Schm. Eur., 199, 1894; HULST, Tr. Am. Ent. Soc., xxiii, 287, 1896.

3416. *dubitata* LINNÆUS, Syst. Nat., 524, 1758; PACKARD, C. 177; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3259, 1901. No. Atl. States, Eur.
3417. *progressata* WALKER, Cat. Brit. Mus., xxv, 1348, 1862; BUTLER, Pap., i, 223, 1881; HULST, Ent. News, vi, 43, 1895. No. Pac. States.
syn. *indubitata* GROTE, Bull. U. S. Geol. Surv. Terr., vi, 591, 1882; *dubitata* PACKARD (not LINNÆUS), C. 177; HARVEY, Bull. Buff. Soc., i, 264, 1874; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 301, 1884.
a. pustularia HY. EDWARDS, Ent. Amer., i, 50, 1885.

CÆNOCALPE Hübner.

HÜBNER, Verz. bek. Schmett., 330, 1818; HULST, Trans. Am. Ent. Soc., xxiii, 287, 1896; *Corythea* DUPONCHEL, Cat. Méth., 257, 1844; *Stammodes* GUENÉE, Spec. Gén., ix, 515, 1857; v. GUMPPENBERG, Nov. Act. Halle, lxix, 345, 1887.

3418. *aurata* GROTE, Can. Ent., xiv, 186, 1882. Rocky Mts.
3419. *magnoliata* GUENÉE, Spec. Gén., ix, 455, 1857; U. S.
 HY. EDWARDS, Proc. Cal. Acad. Sci. vi, 89,
 1875; PACKARD, C. 70; MOFFAT, Can. Ent., xvi,
 38, 1884; HULST, Ent. News, vi, 70, 1895.
 syn. *ziczacata* WALKER, Cat. Brit. Mus., xxv,
 1185, 1862; *placidata* WALKER, Cat. Brit.
 Mus., xxv, 1186, 1862; *quadripunctata*
 PACKARD, Proc. Bost. Soc. Nat. Hist., xiii,
 402, 1871.
a. cumatilis GROTE & ROBINSON, Ann. N. Y. Lyc.
 Nat. Hist., viii, 460, 1867; GROTE, Can. Ent.,
 xvi, 38, 1884; PACKARD, Proc. Bost. Soc. Nat.
 Hist., xvi, 20, 1874.
- *3420. *oxygramma* HULST, Trans. Am. Ent. Soc., xxiii, Cal.
 288, 1896.
3421. *carnata* PACKARD, Sixth Rept. Peab. Acad. Sci., Pac.
 43, 1874; Proc. Bost. Soc. Nat. Hist., xvi, pl. 1, States.
 f. 9, 1874.
 syn. *carneata* PACKARD, C. 142.
- *3422. *phlebeculata* GUENÉE, Spec. Gén., ix, 419, 1857; Cal.
 WALKER, Cat. Brit. Mus., xxv, 1309, 1862;
 PACKARD, C. 149; HULST, Ent. News, vi, 104,
 1895 (type lost).
3423. *alaskæ* HULST, Trans. Am. Ent. Soc., xxiii, 287, Alaska.
 1896.
3424. *parinotata* ZELLER, Verh. zool.-bot. Ges. Wien, Tex.,
 xxii, 495, 1872; PACKARD, C. 155. Fla.
3425. *polygrammata* HULST, Trans. Am. Ent. Soc., Rocky
 xxiii, 288, 1896. Mts.
3426. *gibbocostata* WALKER, Cat. Brit. Mus., xxv, Atl.
 1388, 1862; HULST, Ent. Am., iii, 9, 1887; Ent. States.
 News, vi, 42, 1895.
 syn. *costinotata* WALKER, Cat. Brit. Mus., xxv,
 1701, 1862; *strigularia* MINOT; PACKARD,
 C. 170; WINN, Can. Ent., xxiii, 97, 1891;
anceiformis HARVEY, Buff. Bull., i, 265,
 1873.
- *3427. *annellata* HULST, Ent. Amer., ii, 191, 1887. Pac. States.
- *3428. *morrisata* HULST, Ent. Amer., ii, 190, 1887. Ariz.
- *3429. *cænonymphata* HULST, Can. Ent. xxxii, 104, Col.,
 1900. Cal.
3430. *fervifactoria* GROTE, Pap., i, 177, 1881. Rocky Mts.

3431. **formosata** STRECKER, Surv. Dept. Mo., Ruffner, Rocky
app., 1864, 1878. Mts.
syn. *dryadata* HULST, Bull. Brook. Ent. Soc.,
iii, 43, 1880; *sponsata* GROTE, Can. Ent.,
xiv, 215, 1882.

- *3432. **seifertii** NEUMOEGEN, Pap., ii, 125, 1882. Ariz.

3433. **tessellata** PACKARD, Rept. Geol. Surv. Terr., Ariz.
v, 522, 1873; C. 261.

3434. **topazata** STRECKER, Lep. Rhop. Het., suppl. 2, Rocky Mts.,
9, 1899. Alaska.

EMPLOCIA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Ausser. Schmett., 34, 1855; HULST, Trans. Am. Ent. Soc., xxiii,
288, 1896.

3435. **inconstans** GEYER, Zuträge Exot. Schmett., f. N. Mex.,
861, 1825. Ariz.

syn. *cephisaria* GROTE, Pap., i, 177, 1881;
HULST, Trans. Am. Ent. Soc., xxiii, 289,
1896.

MARMOPTERYX Packard.

PACKARD, Rept. Geol. Surv. Terr., v, 552, 1873; C. 259; HULST, Trans. Am. Ent. Soc.,
xxiii, 289, 1896; *Marmoropteryx* v. GUMPPENBERG, Nov. Act. Halle, xlix, 332, 1887.

3436. **marmorata** PACKARD, Proc. Bost. Soc. Nat. Hist., Rocky Mts.,
xiii, 393, 1871; C. 260. Cal.

- *3437. **odonata** HULST, Trans. Am. Ent. Soc., xxiii, Col.
289, 1896.

GYPSOCHROA Hübner.

HÜBNER, Verz. bek. Schmett., 336, 1818; v. GUMPPENBERG, Nov. Act. Halle, xlix,
368, 1887; HULST, Trans. Am. Ent. Soc., xxiii, 290, 1896; *Cidaria* TREITSCHKE,
Schm. Eur., vi, 2, 242, 1828; MEYRICK, Trans. Ent. Soc. Lond., 211, 1886; HOF-
MANN, Gr. Schm. Eur., 201, 1894.

3438. **designata** HUFNAGEL, Berl. Mag., iv, 612, U. S.,
1769; PACKARD, C. 144; MÖSCHLER, Verh. zool.- Eur.
bot. Ges. Wien, 304, 1884; GOODELL, Can.
Ent., xii, 235, 1880; HOFMANN, Gr. Schm. Eur.,
205, 1894.

syn. *propugnata* DENIS & SCHIFFERMÜLLER,
propugnaria TREITSCHKE.

3439. **sitellata** GUENÉE, Spec. Gén., x, 298, 1857; U. S.
WALKER, Cat. Brit. Mus., xxv, 1210, 1862.

syn. *hesitata* GUENÉE, Spec. Gén., x, 444,
1857; HULST, Ent. News, vi, 43, 1895; DYAR,
Psyche, ix, 59, 1900; *impauperata* WALKER,
Cat. Brit. Mus., xxv, 1363, 1862; *albosignata*
PACKARD, Fifth Rept. Peab. Acad., 61, 1873;
C. 174; v. GUMPPENBERG, Nov. Act. Halle,
lii, 141, 1888.

EURHINOSEA Packard.

PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 34, 1873; HULST, Trans. Am. Ent. Soc., xxiii, 290, 1896.

*3440. *flavaria* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 35, 1873. Cal.

syn. *flavata* PACKARD, C. 129.

*3441. *leoninata* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 401, 1871; C. 119; HULST, Ent. News, vi, 104, 1895. Cal.

*3442. *mancipata* GUENÉE, Spec. Gén., x, 468, 1857; PACKARD, C. 113; HULST, Ent. News, vi, 104, 1895. Cal.

syn. *subochreata* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 400, 1871.

PSYCHOPHORA Curtis.

CURTIS, App. Ross Second Voy., 73, 1835; HULST, Trans. Am. Ent. Soc., xxiii, 290, 1896.

3443. *sabinii* CURTIS, App. Ross Second Voy., 73, 1835; HULST, Trans. Am. Ent. Soc., xxiii, 290, 1896; Ent. News, vi, 70, 1895. Greenl., Lab.

syn. *frigidaria* GUENÉE, Spec. Gén., x, 269, 1857; *phocata* MÖSCHLER, Wien. ent. Mon., vi, 9, 1862; PACKARD, C. 76; *sabinaria* PACKARD, C. 75.

a. polaris HULST (both wings uniform brownish gray, the fore wings darker).

b. immaculata SKINNER, Proc. Acad. Nat. Sci. Phil., 159, 1892; HULST, Ent. News, vi, 70, 1895.

3443. 1. *fasciata* SKINNER, Ent. News, xiii, 141, 1902. Alaska.

TRICHOCHLAMYS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 291, 1896.

*3444. *polata* HÜBNER, Zutr. exot. Schmett., f. 805, 1825; STAUDINGER, Stett. ent. Zeit., 395, 1861; PACKARD, C. 73; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 305, 1884; HOFMANN, Gr. Schm. Eur., 205, 1894. Arctic Am.

syn. *polaria* HERRICH-SCHAEFFER, Eur. Schmett., iii, 162, 1847; CHRISTOPH, Wien. ent. Mon., 313, 1858; HULST, Ent. News, vi, 106, 1895; *punctipes* CURTIS, App. Ross Second Voy., 73, 1835.

a. brullei LEFÈBRE, Ann. Soc. Ent. Fr., 399, 1836; STAUDINGER, Stett. ent. Zeit., 306, 1857; WALKER, Cat. Brit. Mus., xxv, 1284, 1862.

3445. *lacteata* PACKARD C. 143, 1876. Pac. States.

ERSEPHILA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 291, 1896.

3446. **grandipennis** HULST, Trans. Am. Ent. Soc., xxiii, 291, 1896. Pac. States.
Col.
3447. **indistincta** HULST, Can. Ent., xxx, 119, 1898. Pac. States.
Col.

PETROPHORA Hübner.

HÜBNER, Tentamen, 1810; PACKARD, C. 103; HULST, Trans. Am. Ent. Soc., xxiii, 292, 1896; *Xanthorhoe* HÜBNER, Verz. bek. Schmett., 327, 1818; MEYRICK, Proc. Linn. Soc. N. S. Wales, ii, 862, 1887; Trans. Ent. Soc. Lond., 76, 1892; *Calostygia* HÜBNER, *Melanhydris* HÜBNER, *Pterocymia* HÜBNER, *Amaba* HÜBNER, *Ochyria* HÜBNER, *Onychia* HÜBNER, *Scotopteryx* HÜBNER, *Ortholitha* HÜBNER, *Mesotype* HÜBNER, Verz. bek. Schm., 328-338, 1818; v. GUMPPENBERG, Nov. Act. Halle, lii, 142, 1888; *Eubolia* DUPONCHEL, Hist. Nat., viii, 162, 1829; *Larentia* DUPONCHEL, Hist. Nat., viii, 358, 1829; MEYRICK, Tr. Linn. Soc. N. S. Wales, 77, 1883; *Zerynthia* CURTIS, Brit. Ent., vii, 296, 1830; *Cymazonita* SODOFFSKY, Bull. Imp. Soc. Mosc., 126, 1837; *Eusebia* DUPONCHEL, Cath. Méth., 249, 1844; *Coremia* GUENÉE, Spec. Gén., x, 408, 1857; WALKER, Cat. Brit. Mus., xxv, 1304, 1862.

- *3448. **volucer** HULST, Trans. Am. Ent. Soc., xxiii, 293, 1896. Rocky
Mts.
- *3449. **incursata** HÜBNER, Schmett. Eur., f. 351, 1803; No. U. S.,
STAUDINGER & REBEL, Cat. Lep. Eur., i, no. Eur.
3361, 1901.
syn. *disceptaria* FISCHER, *incursaria* HERRICH-SCHAEFFER, *decrepitata* ZETTERSTEDT, *decrepitaria* HERRICH-SCHAEFFER, Schm. Eur., iii, 159, 1847; *polygrapharia* BOISDUVAL, Ind. Méth., 203, 1840, GUENÉE, Spec. Gén., x, 282, 1857.
- *3450. **abrasaria** HERRICH-SCHAEFFER, Neu. Schmett., No. U. S.,
27, vi, 137, 1856; PACKARD, C. 139; MÖSCHLER, Eur.
Verh. zool.-bot. Ges. Wien. 304, 1884.
syn. *ligularia* GUENÉE, *baicalcata* BREMER, *nigrofasciata* PACKARD.
- *3451. **ilocata** HULST, Trans. Am. Ent. Soc., xxiii, 293, Or.,
1896. Alaska.
3452. **borealis** HULST, Trans. Am. Ent. Soc., xxiii, 292, Alaska.
1896.
3453. **nemorella** HULST, Trans. Am. Ent. Soc., xxiii, Pac.
293, 1896. Coast.
3454. **glacialis** HULST, Can. Ent., xxx, 119, 1898. Alaska.
a. longula HULST, Can. Ent., xxx, 119, 1898;
DYAR, Can. Ent., xxx, 203, 1898.
- *3455. **algidata** MÖSCHLER, Stett. ent. Zeit., xxxv, 162, Lab.,
1874; xlv, 121, 1883; PACKARD, C. 150. Anticosti.

3456. *munitata* HÜBNER, Schm. Eur., f. 346, 1803; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3327, 1901. No. U. S., Eur.
 syn. *munitaria* HERRICH-SCHAEFFER, Eur. Schmett., iii, 167, 1847; PACKARD, C. 136; *decoloraria* ESPER, *arcticaria* GERMAR, *colinaria* METZNER, Stett. ent. Zeit., 238, 1846; *strigata* PACKARD, *californiata* PACKARD.
- a. labradorensis* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 46, 1867; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 302, 1884.
- *3457. *ferrugata* CLERCK, Icones, vi, 14, 1759; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3369, 1901. No. U. S., Eur.
 syn. *ferrugaria* BORKHAUSEN; PACKARD, C. 146; *unidentaria* HAWORTH.
3458. *spadicearia* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 113, 1776; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3369, 1901.
 syn. *ferrugata* HÜBNER (not CLERCK), *ferrugaria* HAWORTH (not BORKHAUSEN), *alchemillaria* ESPER, *freyeraria* STAUDINGER, Cat. Lep. Eur., no. 524, 1861.
3459. *montanata* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 113, 1776; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3363, 1901. No. U. S., Eur.
 syn. *montanaria* TREITSCHKE, *implicata* VILLIERS, *ocellata* FABRICIUS.
- a. lapponica* STAUDINGER, Cat. Lep. Eur., 186, 1871; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 303, 1884.
- *3460. *convallaria* GUENÉE, Spec. Gén., x, 410, 1857; PACKARD, C. 149; HULST, Ent. News, vi, 104, 1895. Col., Cal., B. C.
3461. *defensaria* GUENÉE, Spec. Gén., x, 411, 1857; PACKARD, C. 149. Col., Pac. States.
- *3462. *anticostiata* STRECKER, Lep. Rhop. Het., suppl. 2, 11, 1899. Anticosti.
3463. *fluctuata* LINNÆUS, Syst. Nat., 527, 1758; PACKARD, C. 155; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3344, 1901; HULST, Ent. News, vi, 104, 1896. No.-E. U. S., Eur.
 syn. *fibulata* HUFNAGEL, *costorata* HAWORTH, *iduata* GUENÉE, Spec. Gén., x, 403, 1857; *ideata* WALKER, Cat. Brit. Mus., xxv, 1296, 1862.

LOXOFIDONIA Packard.

PACKARD, C. 223; HULST, Trans. Am. Ent. Soc., xxiii, 294, 1896; *Thyone* MEYRICK, Trans. N. Zeal. Ins., xvi, 61, 1883; *Asaphodes* MEYRICK, Trans. N. Zeal. Ins., xviii, 184, 1885; Trans. Ent. Soc. Lond., 76, 1892.

- *3464. *acidaliata* PACKARD, Sixth Rept. Peab. Acad. Sci., 48, 1874; C. 224; STRECKER, Surv. Dept. Mo., suppl., 1862, 1878. Col.

Subfamily MONOTAXINÆ.

MONOTAXIS Hulst.

HULST, Can. Ent., xxx, 120, 1898.

3465. *semipectinata* HULST, Can. Ent., xxx, 120, 1898. Ariz.

Subfamily MONOCYPTENINÆ.

SYNOMILA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 295, 1896.

3466. *subochreata* HULST, Ent. Amer., ii, 187, 1887. Rocky Mts., Oreg.

PAOTA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 295, 1896.

- *3467. *fultaria* GROTE, Can. Ent., xiv, 174, 1882. Ariz.

HÆMATOPSIS Hübner.

HÜBNER, Verz. bek. Schmett., 301, 1818; PACKARD, C. 218; HULST, Trans. Am. Ent. Soc., xxiii, 295, 1896.

3468. *grataria* FABRICIUS, Ent. Syst., suppl., 112, 1798; PACKARD, C. 219; RILEY, Rept. Ins. Mo., i, 179, 1869; BOWLES, Can. Ent., xv, 165, 1883; DYAR, Psyche, ix, 155, 1901. Atl. States.

syn. *saniaria* HÜBNER, *successaria* WALKER, Can. Nat., v, 262, 1862; Cat. Brit. Mus., xxv, 1617, 1862; GROTE, Can. Ent., ix, 29, 1878.

Subfamily STERRRHINÆ.

ERASTRIA Hübner.

HÜBNER, Tentamen, 1810; *Calothysanis* HÜBNER, Verz. bek. Schmett., 301, 1818; MEYRICK, Trans. Ent. Soc. Lond., 91, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 297, 1896; *Timandra* DUPONCHEL, *Bradypetes* STEPHENS; PACKARD, C. 316.

3469. *amaturaria* WALKER, Cat. Brit. Mus., xxxv, 1634, 1866; PACKARD, C. 317; Ins. Life, iv, 382, 1892; KELLCOTT, Can. Ent., xxiv, 242, 1892. Atl. States.

- *3470. *viridipennaria* GUENÉE, Spec. Gén., x, 3, 1857; HULST, Ent. News, vi, 104, 1895. No. Am.

PIGIA Guenée.

GUENÉE, Spec. Gén., x, 19, 1857; HULST, Trans. Am. Ent. Soc., xxiii, 297, 1896.

- *3471. *multilineata* HULST, Ent. Amer., ii, 188, 1887. Ariz.

EUACIDALIA Packard.

PACKARD, Fifth Rept. Peab. Acad., 69, 1873; C. 318; HULST, Trans. Am. Ent. Soc., xxiii, 298, 1896.

3472. *sericeata* PACKARD, Fifth Rept. Peab. Acad., 69, Fla.
1873; C. 318. to Ariz.

PROSOPARIA Grote.

GROTE, Can. Ent., xv, 130, 1883; HULST, Trans. Am. Ent. Soc., xxiii, 298, 1896.

- *3473. *perfuscaria* GROTE, Can. Ent., xv, 130, 1883. Ariz.

MYCTEROPHORA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 298, 1896.

- *3474. *monticola* HULST, Trans. Am. Ent. Soc., xxiii, Cal.
299, 1896.

- *3475. *longipalpata* HULST, Trans. Am. Ent. Soc., xxiii, Cal.
299, 1896.

- *3476. *slossoniæ* HULST, Can. Ent., xxx, 120, 1898. N. H., Man.

DEPTALIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 299, 1896.

3477. *insularia* GUENÉE, Spec. Gén., ix, 469, 1857; Atl.
PACKARD, C. 335; HULST, Ent. Amer., iii, 175, States.
1887; Ent. News, vi, 71, 1895.

syn. *asthenaria* WALKER, Cat. Brit. Mus.,
xxii, 737, 1861; *invariata* WALKER, Cat.
Brit. Mus., xxv, 1596, 1862; *imparata*
WALKER, Cat. Brit. Mus., xxv, 1598, 1862.
persimilita GROTE.

COSYMBIA Hübner.

HÜBNER, Verz. bek. Schmett., 302, 1818; *Cyclophora* HÜBNER (not MONTFORT),
Tentamen, 1810; HULST, Trans. Am. Ent. Soc., xxiii, 300, 1896; *Leucophthalmia*
HÜBNER, Verz. bek. Sch., 302, 1818; MEYRICK, Trans. Ent. Soc. Lond., 91, 1892;
Codonia HÜBNER, Verz. bek. Schmett., 302, 1818; *Pyctis* HÜBNER, Verz. bek.
Schmett., 309, 1818; *Ephyra* DUPONCHEL, Hist. Nat., viii, 20, 1829; PACKARD,
C. 361; *Zonosoma* LEDERER, Verh. zool.-bot. Ges. Wien, 194, 1853.

3478. *culicaria* GUENÉE, Spec. Gén., ix, 407, 1857; So. Atl.
PACKARD, C. 365; HULST, Ent. Amer., ii, 221, States.
1887; Ent. News, vi, 72, 1895.

3479. *myrtaria* GUENÉE, Spec. Gén., ix, 408, 1857; Atl. States,
PACKARD, C. 364; GOODELL, Can. Ent., ix, 62, Col.
1877; HULST, Ent. News, vi, 70, 1896.
syn. *ignotaria* WALKER, Cat. Brit. Mus., xxv,
1576, 1862.
3480. *lumenaria* HÜBNER, Zutr. exot. Schmett., f. 757, Atl.
1832; PACKARD, C. 365; HULST, Ent. News, vi, States.
106, 1895.
syn. *pendulinaria* GUENÉE; PACKARD, C. 363;
quadriannulata WALKER, Cat. Brit. Mus.,
xxv, 1595, 1862.
- *3481. *umatillaria* STRECKER, Lep. Rhop. Het., suppl. Fla.
2, 9, 1899.
3482. *serrulata* PACKARD, Fifth Rept. Peab. Acad. Sci., Atl. States.
73, 1873; C. 366. Ariz.
- *3483. *dataria* HULST, Ent. Amer., ii, 186, 1887. Cal.
- *3484. *albocostaliata* PACKARD, C. 336. Atl. States.
3485. *pannaria* GUENÉE, Spec. Gén., ix, 470, 1857; Atl.
PACKARD, C. 336; HULST, Ent. News, vi, 73, 1895. States.
syn. *tremularia* WALKER, Cat. Brit. Mus.,
xxv, 1614, 1862; *purpurissata* GROTE.
- SYNELYS Hulst.
- HULST, Trans. Am. Ent. Soc., xxiii, 300, 1896.
3486. *alabastaria* HÜBNER, Zutr. exot. Schmett., ii, Atl.
f. 311, 1825?; HULST, Ent. News, vi, 72, 1895, States.
vi, 106, 1895.
syn. *reconditaria* WALKER, Cat. Brit. Mus.,
xxiii, 786, 1861; PACKARD, C. 357; GROTE,
Trans. Am. Ent. Soc., ii, 82, 1868; HULST,
Ent. News, vi, 72, 1895; *ennucleata* PACK-
ARD (not GUENÉE), C. 347; GOODELL, Can.
Ent., xi, 194, 1879; Can. Ent., xii, 236, 1880.
3487. *ennucleata* GUENÉE, Spec. Gén., ix, 505, 1857; Atl.
HULST, Ent. News, vi, 72, 1895; DYAR, Psyche, States,
ix, 165, 1901. Rocky Mts.
- syn. *restrictata* WALKER, Cat. Brit. Mus.,
xxii, 722, 1861; *mesurata* WALKER, Cat.
Brit. Mus., xxxv, 1621, 1866; *continuaria*
WALKER, Cat. Brit. Mus., xxxv, 1622, 1866.
- *3488. *pergracilis* HULST, Can. Ent., xxx, 121, 1898. Fla.
- *3489. *nigrocandida* HULST, Can. Ent., xxx, 121, 1898. Fla.

- *3490. **timandrata** WALKER, Cat. Brit. Mus., xxii, 724, 1861; PACKARD, C. 355; HULST, Ent. News, vi, 72, 1895. Fla.
 syn. *rufilineata* WALKER, Cat. Brit. Mus., xxiii, 783, 1861.
3491. **ordinata** WALKER, Cat. Brit. Mus., xxii, 722, 1861; PACKARD, C. 565; HULST, Ent. News, vi, 71, 1895. So. States.
 syn. *puraria* WALKER, Cat. Brit. Mus., xxiii, 796, 1861; HULST, Ent. News, vi, 71, 1895; *candidaria* PACKARD, C. 349.
3492. **subquadrata** GUENÉE, Spec. Gén., ix, 459, 1857; WALKER, Cat. Brit. Mus., xxii, 729, 1861; HULST, Ent. News, vi, 73, 1895. Fla.
 syn. *obluridata* HULST, Ent. Amer., ii, 185, 1887.
- *3493. **umbilicata** GUENÉE, Spec. Gén., ix, 504, 1857; WALKER, Cat. Brit. Mus., 727, 1861; HULST, Ent. News, vi, 72, 1895. Fla., Tex.
 syn. *indoctaria* WALKER, Cat. Brit. Mus., xxii, 731, 1861.

XYSTROTA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 301, 1896.

3494. **hepaticaria** GUENÉE, Spec. Gén., ix, 471, 1857; PACKARD, C. 352; HULST, Ent. Amer., ii, 222, 1887, iv, 49, 1888. U. S.
 syn. *rubromarginaria* PACKARD, *ferrunimaria* ZELLER, Verh. zool.-bot. Ges. Wien, 478, 1873; PACKARD, C. 360; *rubromarginata* PACKARD, C. 339.

WAUCHULA Hulst.

HULST, Jn. N. Y. Ent. Soc., viii, 216, 1901.

3495. **rubrotincta** HULST, Jn. N. Y. Ent. Soc., viii, 216, 1901. Fla.

CINGLIS Guenée.

GUENÉE, Spec. Gén., x, 114, 1857; MEYRICK, Trans. Ent. Soc. Lond., 90, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 301, 1896.

- *3496. **luteolata** HULST, Bull. Brook. Ent. Soc., iii, 42, 1880; Ent. Amer., ii, 222, 1887. Col.
3497. **similaria** WALKER, Cat. Brit. Mus., xxxv, 1592, 1866; HULST, Ent. News, vi, 72, 1895. Atl. States.
 syn. *quadrilineata* PACKARD, C. 345.

3498. *purata* GUENÉE, Spec. Gén., ix, 488, 1857; Atl. States.
WALKER, Cat. Brit. Mus., xxii, 720, 1861; PACKARD, C. 353; HULST, Ent. Amer., ii, 222, 1887.
syn. *caecuminata* MORRISON, *caecuminaria* PACKARD, C. 346.
- *3499. *compensata* WALKER, Cat. Brit. Mus., xxii, 724, Tex.,
1861; PACKARD, C. 354. Fla.
3500. *ancellata* HULST, Ent. Amer., ii, 186, 1887. Rocky Mts.
3501. *fuscata* HULST, Ent. Amer., ii, 187, 1887. Rocky Mts.
- *3502. *albidula* HULST, Trans. Am. Ent. Soc., xxiii, Fla.
301, 1896.
- SCELOLOPHIA Hulst.
- HULST, Trans. Am. Ent. Soc., xxiii, 301, 1896.
- *3503. *formosa* HULST, Trans. Am. Ent. Soc., xxiii, 302, Tex.
1896.
- CHAROMMATÆA Hulst.
- HULST, Trans. Am. Ent. Soc., xxiii, 302, 1896.
- *3504. *ella* HULST, Trans. Am. Ent. Soc., xxiii, 302, Tex.
1896.
a. ellatina HULST, Trans. Am. Ent. Soc., xxiii,
303, 1896.
- LEPTOMERIS Hübner.
- HÜBNER, Verz. bek. Schmett., 310, 1818; MEYRICK, Trans. Ent. Soc. Lond., 89, 1892;
HULST, Trans. Am. Ent. Soc., xxiii, 303, 1896; *Craspedia* HÜBNER, Verz. bek.
Schmett., 312, 1818; *Dosithea* DUPONCHEL, Hist. Nat., viii, 43, 1829.
3505. *gemmata* PACKARD, C. 320, 1876. Rocky Mts.
3506. *lautaria* HÜBNER, Zutr. exot. Schmett., 539, So. States.
18204; HULST, Ent. News, vi, 72, 1895.
syn. *myrmidonata* GUENÉE, Spec. Gén., ix,
487, 1857; PACKARD, C. 353; *minutularia*
HULST, Bull. Brook. Ent. Soc., iii, 44, 1880.
- *3507. *occidentaria* PACKARD, Proc. Bost. Soc. Nat. Pac. States,
Hist., xvi, 29, 1874; C. 321. Col.
syn. *occidentata* PACKARD.
- *3508. *roseotincta* HULST, Trans. Am. Ent. Soc., xxiii, Fla.
303, 1896.
3509. *æmulata* HULST, Trans. Am. Ent. Soc., xxiii, Fla.
303, 1896.
3510. *quinquelinearia* PACKARD, Proc. Bost. Soc. Nat. U. S.
Hist., 389, 1871; Rept. Geol. Surv. Terr., v, 554,
1873; C. 348; BUTLER, Pap., i, 221, 1881.

3511. *sentinaria* HÜBNER, Zutr. exot. Schmett., f. 823, 1837; PACKARD, C. 342. No. U. S.
 syn. *spuraria* CHRISTOPH, *gracilior* BUTLER, Ann. Mag. Nat. Hist., (6), xii, 18. 1893.
3512. *magnetaria* GUENÉE, Spec. Gén., ix, 450, 1857; PACKARD, C. 350; HULST, Ent. Amer., ii, 222, 1886. Pac. States.
 syn. *rubrolinearia* PACKARD, *rubrolineata* PACKARD, C. 343.
- *3513. *frigidaria* MÖSCHLER, Wien. ent. Monat., iv, 44, 1860; PACKARD, C. 340; HULST, Ent. News, vi, 71, 1895. Arctic Am.
 syn. *defixaria* WALKER, Cat. Brit. Mus., xxiii, 796, 1861; *impauperata* WALKER, Cat. Brit. Mus., xxv, 1363, 1862; *larcticaria* WALKER, Cat. Brit. Mus., xxvi, 1594, 1862; HULST, Ent. News, vi, 105, 1895 (type lost); *okakaria* PACKARD.
3514. *ostentaria* WALKER, Cat. Brit. Mus., xxiii, 784, 1861; PACKARD, C. 355. Fla., Tex.
3515. *plantagenaria* HULST, Ent. Amer., ii, 185, 1887. Fla. to Ariz.
- *3516. *nigrodiscalis* HULST, Can. Ent., xxx, 158, 1898. Me.
- *3517. *placidaria* GUENÉE, Spec. Gén., ix, 469, 1857; PACKARD, C. 352; HULST, Ent. News, vi, 105, 1895 (type lost). No. Am.

EOIS Hübner.

- HÜBNER, Verz. bek. Schmett., 308, 1818; PACKARD, C. 319; MEYRICK, Trans. Ent. Soc. Lond., 86, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 304, 1896; *Arrhostia* HÜBNER, Verz. bek. Schmett., 311, 1818; *Ptychopoda* STEPHENS, Cat. 150, 1829; *Hyria* STEPHENS, Cat. 150, 1829; GUENÉE, Spec. Gén., ix, 428, 1857; *Carphoxera* RILEY, Ins. Life, iv, 112, 1892.
3518. *parvularia* HULST, Ent. Amer., iii, 213, 1887. Tex.
3519. *ptelearia* RILEY, Ins. Life, iv, 112, 1892; iv, 271, 1892; v, 40, 1892; WRIGHT, Ins. Life, v, 271, 1892. U. S.
- *3520. *scintillaria* HULST, Ent. Amer., iii, 213, 1887. Fla.
3521. *demissaria* HÜBNER, Zutr. exot. Schmett., 563, 1825; PACKARD, C. 351. U. S.
 syn. *ferrugata* PACKARD, C. 321; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 304, 1884; *bonifata* HULST, Ent. Amer., ii, 187, 1886.
a. russata HULST, Ent. Amer., ii, 187, 1886.
 syn. *eremiata* HULST, Ent. Amer., ii, 187, 1886; *?inclusaria* WALKER, Cat. Brit. Mus., xxv, 1596, 1862; HULST, Ent. News, vi, 105, 1895 (type lost).

3522. *purpurascens* HULST, Can. Ent., xxxii, 105, 1900. Fla.
- *3523. *hilliata* HULST, Ent. Amer., ii, 187, 1886. Fla.
- *3524. *flavescens* HULST, Trans. Am. Ent. Soc., xxiii, 304, 1896. Tex.
3525. *lævitaria* HÜBNER, Zutr. exot. Schmett., f. 873, 1820?; GUENÉE, Spec. Gén., ix, 471, 1857; WALKER, Cat. Brit. Mus., xxii, 719, 1861. Fla. to Cal.
syn. *floridata* PACKARD, C. 319.
3526. *microphysa* HULST, Trans. Am. Ent. Soc., xxiii, 305, 1896. So. Cal.
- *3527. *delicata* HULST, Trans. Am. Ent. Soc., xxiii, 305, 1896. N. Mex.
3528. *peralbata* PACKARD, Fifth Rept. Peab. Acad. Sci., 70, 1873; C. 332; STRECKER, Surv. Dept. Mo. Ruffner, app., 1862, 1878. Tex.
syn. *longipennata* PACKARD, Fifth Rept. Peab. Acad. Sci., 71, 1873; C. 332; HULST, Ent. Amer., ii, 221, 1887.
3529. *nimbicolor* HULST, Trans. Am. Ent. Soc., xxiii, 305, 1896. Fla.
syn. *floridaria* HULST (not PACKARD), Ent. Amer., iii, 215, 1888; *floridata* HULST, Trans. Am. Ent. Soc., xxiii, 306, 1896.
3530. *ossularia* HÜBNER, Zutr. exot. Schmett., f. 909, 1837; HULST, Ent. Amer., ii, 221, 1887; Ent. News, vi, 73, 1895. U. S.
syn. *ossulata* PACKARD, C. 329; *temnaria* GUENÉE; PACKARD, C. 352; *sublataria* GUENÉE, Spec. Gén., ix, 474, 1857; PACKARD, C. 352; *maguiferaria* WALKER, Cat. Brit. Mus., xxiii, 784, 1861; PACKARD, C. 356; *farillifera* WALKER, Cat. Brit. Mus., xxxv, 1624, 1866; PACKARD, C. 359; *violacearia* WALKER, Cat. Brit. Mus., xxiii, 786, 1861; PACKARD, C. 357; *repletaria* WALKER, Cat. Brit. Mus., xxxv, 1624, 1866; PACKARD, C. 359.
- *3531. *granitaria* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 390, 1871; C. 330. Cal.
3532. *lanceolata* HULST, Trans. Am. Ent. Soc., xxiii, 305, 1896. N. Mex., Cal., Fla.
3533. *balistraria* GUENÉE, Spec. Gén., ix, 453, 1857; PACKARD, C. 351. So. States, Col., Ariz.
syn. *perirrorata* PACKARD, Fifth Rept. Peab. Acad. Sci., 71, 1873; C. 331.

- *3534. *rufescens* HULST, Trans. Am. Ent. Soc., xxiii, 305, 1896. Atl. States.
- *3535. *pallida* HULST, Trans. Am. Ent. Soc., xxiii, 306, 1896. Tex.
3536. *eburneata* GUENÉE, Spec. Gén., ix, 474, 1857; WALKER, Cat. Brit. Mus., xxii, 734, 1861; HULST, Ent. News, vi, 73, 1895. Fla.
syn. *tacturata* WALKER, Cat. Brit. Mus., xxii, 721, 1861; PACKARD, C. 353.
3537. *suavata* HULST, Jn. N. Y. Ent. Soc., viii, 217, 1901; DYAR, Psyche, ix, 106, 1900. Fla.
3538. *lacteolata* LINTNER, Ent. Cont., iv, 112, 1878. Fla.
3539. *obfusaria* WALKER, Cat. Brit. Mus., xxiii, 786, 1861; PACKARD, C. 357. Atl. States.
syn. *punctofimbriata* PACKARD, Fifth Rept. Peab. Acad. Sci., 70, 1873; C. 333; HULST, Ent. News, vi, 71, 1895.
- *3540. *crossii* HULST, Can. Ent., xxxii, 105, 1900. Fla.
- *3541. *volucrata* HULST, Ent. Amer., ii, 186, 1887. Mo.
- *3542. *quæsitata* HULST, Bull. Brook. Ent. Soc., iii, 45, 1880. Col.
- *3543. *micropterata* HULST, Jn. N. Y. Ent. Soc., viii, 217, 1901. Fla.
- *3544. *rotundopennata* PACKARD, C. 337. No. Atl. States.
- *3545. *persimilis* HULST, Can. Ent., xxx, 158, 1898. No. U. S.
3546. *inductata* GUENÉE, Spec. Gén., ix, 494, 1857; PACKARD, C. 340; HULST, Ent. News, vi, 71, 1895; DYAR, Psyche, ix, 226, 1901. Atl. States.
syn. *consecutaria* WALKER, Cat. Brit. Mus., xxxv, 1623, 1866; PACKARD, C. 358; *sobria* WALKER, Cat. Brit. Mus., xxxv, 1624, 1866; PACKARD, C. 359; ?*suppressaria* WALKER, Cat. Brit. Mus., xxvi, 1594, 1862; HULST, Ent. News, vi, 105, 1895 (type lost).
- *3547. *hanhamii* HULST, Can. Ent., xxx, 158, 1898. Man.
- *3548. *productata* PACKARD, C. 334, 1876. Atl. States.
- *3549. *australis* HULST, Trans. Am. Ent. Soc., xxiii, 306, 1896. Fla.
3550. *sideraria* GUENÉE, Spec. Gén., ix, 450, 1857; PACKARD, C. 350; HULST, Ent. Amer., ii, 222, 1887; PACKARD, C. 341. No. U. S.
syn. *californiaria* PACKARD, *californiata* PACKARD, *pacificaria* PACKARD.

- *3550. 1. *refractaria* WALKER, Cat. Brit. Mus., xxiii, 785, 1861. East Fla.
3551. *anticaria* WALKER, Cat. Brit. Mus., xxvi, 1593, 1862; HULST, Ent. News, vi, 72, 1895. Atl. States.
syn. *subalbaria* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 28, 1873; C. 344.
- *3551. 1. *basipunctaria* WALKER, Cat. Brit. Mus., xxiii, 785, 1861. East Fla.

EMMILTIS Hübner.

HÜBNER, Verz. bek. Schmett., 309, 1818; MEYRICK, Trans. Ent. Soc. Lond., 86, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 306, 1896; *Anthometria* BOISDUVAL, Ind. Méth., 231, 1840; v. GUMPPENBERG, Nov. Act. Halle, xlix, 392, 1887.

3552. *sparsaria* WALKER, Cat. Brit. Mus., xxvi, 1596, 1862; HULST, Ent. News, vi, 42, 1895. Tex., Fla.
syn. *psilogrammaria* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 490, 1872; PACKARD, C. 430.

PENTOPODA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 307, 1896.

- *3553. *miranda* HULST, Trans. Am. Ent. Soc., xxiii, 307, 1896. Tex.

SIGELA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 308, 1896.

3554. *penuibrata* HULST, Trans. Am. Ent. Soc., xxiii, 308, 1896. Fla., Cal.

LOPHOSIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 308, 1896.

- *3555. *laberculata* HULST, Ent. Amer., ii, 187, 1887. Col., Ariz.

GONIACIDALIA Packard.

PACKARD, Fifth Rept. Peab. Acad. Sci., 68, 1873; C. 312; HULST, Trans. Am. Ent. Soc., xxiii, 308, 1896.

3556. *fureiferata* PACKARD, Fifth Rept. Peab. Acad. Sci., 68, 1873; C. 312. Tex.

Subfamily GEOMETRINÆ.

ANNEMORIA Packard.

PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 30, 1874; C. 375; HULST, Trans. Am. Ent. Soc., xxiii, 312, 1896.

3557. *bistriaria* PACKARD, C. 378; HULST, Ent. Amer., ii, 140, 1886; iii, 193, 1888. Rocky Mts.
syn. *undinaria* STRECKER, Surv. Dept. Mo., Ruffner, app., 1862, 1878.

3558. **faseolaria** GUENÉE, Spec. Gén., ix, 351, 1857; Cal.
WALKER, Cat. Brit. Mus., xxii, 534, 1861.
syn. *fasciolaria* PACKARD, C. 375; *fasciolaria*
HULST, Ent. Amer., ii, 141, 1886; *perviri-*
daria PACKARD, C. 379.
- *3559. **græfiaria** HULST, Ent. Amer., ii, 123, 1886. Nev., Cal.
3560. **unitaria** PACKARD, Proc. Bost. Soc. Nat. Hist., Nev.
xvi, 30, 1874; C. 376.

CHLOROCHLAMYS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 312, 1896.

3561. **chloroleucaria** GUENÉE, Spec. Gén., ix, 351, 1857; Atl.
PACKARD, C. 370; GOODELL, Can. Ent., xii, 235, States,
1880; HULST, Bull. Brook. Ent. Soc., ii, 78, Cal.
1879; Ent. News, vi, 71, 1895.
syn. *indiscriminaria* WALKER, Cat. Brit.
Mus., xxvi, 1556, 1862; PACKARD, C. 375;
densaria WALKER, Cat. Brit. Mus., xxv,
1557, 1862; PACKARD, C. 375; *deprivata*
WALKER, Cat. Brit. Mus., xxvi, 1559, 1862;
PACKARD, C. 396.
3562. **phyllinaria** ZELLER, Verh. zool.-bot. Ges. Wien, Rocky Mts.,
479, 1872; HULST, Ent. Amer., ii, 141, 1886; Cal.
Ent. News, vi, 71, 1895.
syn. *zelleraria* PACKARD, C. 370.

NEMORIA Hübner.

- HÜBNER, Verz. bek. Schmett., 285, 1818; PACKARD, C. 372; MEYRICK, Trans. Ent.
Soc. Lond., 93, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 312, 1896; *Chlorissa* STE-
PHENS, West. & Hump., Brit. Moths, ii, 78, 1849.
3563. **pistaceata** GUENÉE, Spec. Gén., ix, 348, 1857; Atl.
PACKARD, C. 374; HULST, Ent. News, vi, 71, 1895. States.
syn. *superata* WALKER, Cat. Brit. Mus., xxxv,
1612, 1866; PACKARD, C. 396.
3564. **subroceata** WALKER, Cat. Brit. Mus., xxv, 1557, Atl.
1862; PACKARD, C. 372; DYAR, Psyche, viii, 386, States.
1899.
3565. **dyarii** HULST, Can. Ent., xxxii, 105, 1900. Atl. States.
- *3566. **auranticolorata** STRECKER, Lep. Rhop. Het., Fla.
suppl. 2, 8, 1899.
- *3567. **euchloraria** GUENÉE, Spec. Gén., ix, 355, 1857; Atl.
PACKARD, C. 396. States.

EUCROSTIS Hübner.

HÜBNER, Verz. bek. Schmett., 283, 1818; PACKARD, C. 369; MEYRICK, Trans. Ent. Soc. Lond., 94, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 313, 1896.

3568. *incertata* WALKER, Cat. Brit. Mus., xxv, 1557, Atl.
1862; PACKARD, C. 372; HULST, Ent. News, vi, States.
71, 1895.
syn. *oporaria* ZELLER, Verh. zool.-bot. Ges.
Wien, 481, 1872; *gratata* PACKARD, C., pl.
10, f. 79, 1876.

3569. *viridipennata* HULST, Trans. Am. Ent. Soc., xxiii, Col.,
314, 1896; DYAR, Psyche, ix, 287, 1901. Cal.

CHLOROPTERYX Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 314, 1896.

- *3570. *tepperaria* HULST, Ent. Amer., ii, 122, 1886. So. States.

RACHEOSPILA Guenée.

GUENÉE, Spec. Gén., ix, 372, 1857; PACKARD, C. 384; HULST, Trans. Am. Ent. Soc., xxiii, 314, 1896.

3571. *lixaria* GUENÉE, Spec. Gén., ix, 374, 1857; PACK- Atl.
ARD, C. 384; HULST, Ent. News, vi, 71, 1895. States.
syn. *inclusaria* WALKER, Cat. Brit. Mus., xxii,
508, 1861; HULST, Ent. News, vi, 105, 1895;
PACKARD, C. 395; *congruata* WALKER, Cat.
Brit. Mus., xxii, 511, 1861; *extremaria*
WALKER, Cat. Brit. Mus., xxii, 584, 1861;
rubrolineata PACKARD, Fifth Rept. Peab.
Acad. Sci., 74, 1873; C. 390; *cupidenaria*
GROTE, Can. Ent., xii, 218, 1880.

- *3572. *jaspidiaria* HULST, Ent. Amer., ii, 122, 1886. Fla.

- *3573. *hollandaria* HULST, Ent. Amer., ii, 122, 1886. Fla.

- *3574. *viridipurpurea* HULST, Can. Ent., xxx, 159, 1898. Fla.

3575. *saltusaria* HULST, Ent. Amer., ii, 122, 1886; Fla.
DYAR, Psyche, ix, 118, 1900.

SYNCHLORA Guenée.

GUENÉE, Spec. Gén., ix, 375, 1857; PACKARD, C. 379; HULST, Trans. Am. Ent. Soc., xxiii, 314, 1896; *Eunemoria* PACKARD, Fifth Rept. Peab. Acad. Sci., 76, 1873.

3576. *hulstiana* DYAR, Proc. Ent. Soc. Wash., iv, 457, Fla.
1901.

3577. *louisia* HULST, Can. Ent., xxx, 159, 1898. Fla.
3578. *ærata* FABRICIUS, Syst. Ent., suppl., 238, 1798; HULST, Ent. News, vi, 71, 1895; AURIVILLIUS, Tidsk. Ent., xviii, 166, 1898. Atl. States.
- syn. *glaucaria* GUENÉE, Spec. Gén., ix, 377, 1857; PACKARD, C. 392; HULST, Ent. Amer., ii, 141, 1886; DYAR, Psyche, ix, 93, 1900; *mimicata* WALKER, Cat. Brit. Mus., xxxv, 1600, 1866; PACKARD, C. 395; *rubicora* RILEY, First Rept. Ins. Mo., 139, 1869; *rubicoraria* PACKARD, C. 382; SAUNDERS, Ins. Inj. Fruits, 316, 1883; FRENCH, Trans. Dept. Agr. Ill., xv, 238, 1877; *albolineata* PACKARD, Fifth Rept. Peab. Acad. Sci., 75, 1873; *gracillaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 77, 1873.
- *3579. *viridipallens* HULST, Trans. Am. Ent. Soc., xxiii, 315, 1896. Col., Ariz.
3580. *denticulata* WALKER, Cat. Brit. Mus., xxii, 536, 1861; HULST, Ent. News, vi, 71, 1895. U. S.
- syn. *excurvaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 76, 1873; C. 381; DYAR, Ent. News, v, 62, 1894.
3581. *liquoraria* GUENÉE, Spec. Gén., ix, 375, 1857; PACKARD, C. 383; HULST, Ent. Amer., ii, 141, 1886; Ent. News, vi, 71, 1895. U. S.
- syn. *tricoloraria* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 30, 1874; C. 381.
- *3582. *texana* HULST, Can. Ent., xxx, 160, 1898. Tex.
3583. *rubrifrontaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 75, 1873; C. 383. Atl. States.
3584. *xysteraria* HULST, Ent. Amer., ii, 121, 1886. Fla.
3585. *dominicaria* GUENÉE, Spec. Gén., ix, 367, 1857; WALKER, Cat. Brit. Mus., xxii, 566, 1861; HULST, Ent. News, vi, 71, 1895. Fla.

CHLOROSEA Packard.

PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 30, 1874; C. 376; HULST, Trans. Am. Ent. Soc., xxiii, 315, 1896.

- *3586. *nevadaria* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 31, 1874; C. 378. Rocky Mts., Pac. States.

APLODES Guenée.

GUENÉE, Spec. Gén., ix, 376, 1857; PACKARD, C. 385; HULST, Trans. Am. Ent. Soc., xxiii, 315, 1896; *Hipparchiscus* WALSH, Proc. Bost. Soc. Nat. Hist., ix, 300, 1864.

3587. *mimosaria* GUENÉE, Spec. Gén., ix, 377, 1857; ATL. STATES.
 PACKARD, C. 388; HULST, Ent. News, vi, 71, 1895; Ent. Amer., ii, 139, 1886; DYAR, Psyche, viii, 310, 1899.
 syn. *tractaria* WALKER, Cat. Brit. Mus., xxii, 540, 1861; *venusta* WALSH, Proc. Bost. Soc. Nat. Hist., ix, 301, 1864; *approximaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 73, 1873; C. 391; Bull. U. S. Ent. Comm., vii, 49, 1881; *laturia* PACKARD, Fifth Rept. Peab. Acad. Sci., 74, 1873; C. 391; *coniferaria* PACKARD, Am. Nat., xviii, 933, 1884.
- *3588. *catachloa* HULST, Can. Ent., xxx, 160, 1898. Fla.
3589. *rubrifrontaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 76, 1873; C. 386. ATL. STATES, BRIT. COL.
 syn. *packardaria* GROTE, New Check List, 46, 1882.
3590. *bistriaria* HÜBNER, Zutr. exot. Schmett., f. 103, 1818; PACKARD, C. 564; HULST, Ent. News, vi, 71, 1895. ATL. STATES.
 syn. *bijlata* WALKER, Cat. Brit. Mus., xxvi, 1585, 1862; *brunnearia* PACKARD, C. 388.

ANAPLODES Packard.

PACKARD, C. 392; HULST, Trans. Am. Ent. Soc., xxiii, 316, 1896.

3591. *zygotaria* HULST, Ent. Amer., ii, 121, 1886. Tex.
3592. *viridicaria* HULST, Bull. Brook. Ent. Soc., iii, 41, 1880; Ent. Amer., ii, 140, 1886. Col., ARIZ.
a. albaria GROTE, Can. Ent., xv, 126, 1883.
- *3593. *obliqua* HULST, Can. Ent., xxx, 161, 1898. Col.
 syn. *billonaria* STRECKER, Lep. Rhop. Het., suppl. 2, 8, 1899.
- *3594. *rubromarginaria* PACKARD, C. 389; HULST, Ent. News, vi, 71, 1895. ATL. STATES.
3595. *arizonaria* GROTE, Can. Ent., xv, 125, 1883. Cal., ARIZ.
 syn. *festaria* HULST, Ent. Amer., ii, 121, 1886.
3596. *pistacearia* PACKARD, C. 392, 1876. Rocky Mts.
- *3597. *junctolinearia* GRAEF, Bull. Brook. Ent. Soc., iii, 87, 1881; HULST, Ent. Amer., ii, 140, 1886. Rocky Mts.
3598. *remotaria* WALKER, Cat. Brit. Mus., xxii, 530, 1861; HULST, Ent. News, vi, 71, 1895. ATL. STATES.
a. consequaria HY. EDWARDS, Pap., iv, 19, 1884.

3599. *iridaria* GUENÉE, Spec. Gén., ix, 344, 1857; Rocky Mts.,
PACKARD, C. 394; HULST, Ent. News, vi, 71, 1895. Cal.
syn. *rectaria* GROTE, Can. Ent., ix, 157, 1877;
HULST, Ent. News, vi, 71, 1895.
3600. *illustraria* HULST, Ent. Amer., ii, 121, 1886. Cal.
syn. *iridaria* PACKARD (not GUENÉE), C. pl. 10,
f. 93, 1876.

Subfamily FERNALDELLINÆ.

FERNALDELLA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 318, 1896.

3601. *fimetaria* GROTE & ROBINSON, Trans. Am. Ent. Rocky
Soc., iii, 182, 1870; GROTE, Bull. Buff. Soc., i, Mts.
88, 1873; PACKARD, C. 228; HULST, Ent. Amer.,
iii, 9, 1887.
syn. *halesaria* ZELLER, Verh. zool.-bot. Ges.
Wien, xxii, 488, 1872; xxv, 125, 1875.
a. partitaria GROTE, Can. Ent., xv, 130, 1883.
3602. *stalachtaria* STRECKER, Surv. Dept. Mo., Ruffner, Rocky
suppl., 1863, 1878; HULST, Ent. Amer., iii, 9, Mts.
1887.
a. alternaria GROTE, Can. Ent., xv, 27, 1883.

Subfamily ENNOMINÆ.

EPELIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 324, 1896.

3603. *truncataria* WALKER, Cat. Brit. Mus., xxv, 1034, Atl. States,
1862; PACKARD, C. 230; v. GUMPPENBERG, Nov. Col.
Act. Halle, xlix, 388, 1894; HULST, Ent. News,
vi, 12, 1895; DYAR, Psyche, ix, 298, 1902.
syn. *faxonii* MINOT, Proc. Bost. Soc. Nat. Hist.,
xi, 83, 1869; PACKARD, C. 232.

EUFIDONIA Packard.

PACKARD, C. 225; HULST, Trans. Am. Ent. Soc., xxiii, 324, 1896; v. GUMPPENBERG,
Nov. Act. Halle, xlix, 397, 1887.

3604. *notataria* WALKER, Cat. Brit. Mus., xxi, 407, Atl.
1860; PACKARD, C. 226; GOODELL, Can. Ent., xiv, States.
199, 1882; HULST, Ent. News, vi, 12, 1895.
syn. *discospilata* WALKER, Cat. Brit. Mus.,
xxiv, 1034, 1862.
a. fdoniata WALKER, Cat. Brit. Mus., xxiv, 1183,
1862; v. GUMPPENBERG, Nov. Act. Halle, xlix,
398, 1887.
syn. *bicoloratu* MINOT, Proc. Bost. Soc. Nat.
Hist., xi, 83, 1869; *quadripunctaria* MORRIS-
SON, Proc. Bost. Soc. Nat. Hist., xvi, 199,
1874.

ORTHOFIDONIA Packard.

PACKARD, C. 235; HULST, Trans. Am. Ent. Soc., xxiii, 324, 1896.

3605. **exornata** WALKER, Cat. Brit. Mus., xxiv, 1187, Atl.
1862; PACKARD, C. 236; v. GUMPPENBERG, Nov. States.
Act. Halle, xlix, 400, 1887; HULST, Ent. News,
vi, 42, 1895.
syn. *albifusata* WALKER, Cat. Brit. Mus., xxvi,
1728, 1862.
3606. **semiclarata** WALKER, Cat. Brit. Mus., xxxv, 1653, Atl.
1866; PACKARD, C. 302; HULST, Ent. News, v, States.
304, 1894.
syn. *viatica* HARVEY, Buff. Bull. Soc., i, 265,
1874.
3608. **vestaliata** GUENÉE, Spec. Gén., x, 59, 1857; Atl. States,
PACKARD, C. 301. Col.
syn. *junctaria* WALKER, Can. Nat., vi, 39, 1861;
Cat. Brit. Mus., xxvi, 1593, 1862; GROTE,
Can. Ent., ix, 27, 1877.
- *3609. **elsinora** HULST, Jn. N. Y. Ent. Soc., viii, 218, Cal.
1900.

DASYFIDONIA Packard.

PACKARD, C. 233; HULST, Trans. Am. Ent. Soc., xxiii, 23, 325, 1896.

3610. **avuncularia** GUENÉE, Spec. Gén., x, 145, 1857; Col.
PACKARD, C. 234; v. GUMPPENBERG, Nov. Act. to Cal.
Halle, xlix, 386, 1887.

HELIOMATA Grote.

GROTE, Proc. Ent. Soc. Phil., vi, 29, 1866; PACKARD, C. 190; v. GUMPPENBERG, Nov.
Act. Halle, xlix, 368, 1887; HULST, Trans. Am. Ent. Soc., xxiii, 325, 1896.

3611. **infulata** GROTE, Proc. Ent. Soc. Phil., ii, 67, Atl.
1863; PACKARD, C. 191. States.
- *3612. **elaborata** GROTE, Proc. Ent. Soc. Phil., ii, 67, Va.
1863; PACKARD, C. 191.
3613. **cycladata** GROTE, Proc. Ent. Soc. Phil., vi, 30, Atl.
1866; PACKARD, C. 192; DYAR, Psyche, ix, 177, States,
1901. Mont.

MELLILLA Grote.

GROTE, Bull. Buff. Soc., i, 12, 1873; HULST, Trans. Am. Ent. Soc., xxiii, 325, 1896.

3614. **inextricata** WALKER, Cat. Brit. Mus., xxiv, 1038, Atl.
1862; PACKARD, C. 295; HULST, Ent. News, v, States.
304, 1894.
a. **xanthometata** WALKER, Cat. Brit. Mus., xxiv,
1038, 1862.
syn. *snoviaria* PACKARD, C. 222.

3615. *chamæchrysaria* GROTE, Bull. Buff. Soc., i, 13, 1873; Can. Ent., x, 152, 1878. Atl. States.
syn. *vilevaria* PACKARD, C. 221.

CHLORASPILATES Packard.

PACKARD, C. 211; HULST, Trans. Am. Ent. Soc., xxiii, 326, 1896.

3616. *bicoloraria* PACKARD, C. 212; GROTE, Can. Ent., xiv, 109, 1882. Rocky Mts.
a. arizonaria GROTE, Pap., ii, 80, 1882.
3617. *profugaria* HERRICH - SCHAEFFER, Ausser. No. Am. Schmett., 66, f. 410, 1855; PACKARD, C. 212.

PSYSOSTEGANIA Warren.

WARREN, Ncv. Zool., i, 406, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 326, 1896.

3618. *pustularia* GUENÉE, Spec. Gén., x, 49, 1857; Atl. States.
PACKARD, C. 310; U. S. Ent. Comm., vii, 112, 1881; SAUNDERS, Can. Ent., iii, 225, 1871;
HULST, Ent. News, v, 304, 1894.

GUENERIA Packard.

PACKARD, C. 307; HULST, Trans. Am. Ent. Soc., xxiii, 326, 1896.

3619. *basiaria* WALKER, Cat. Brit. Mus., xxvi, 1508. Atl. States.
1862; HULST, Ent. News, v, 304, 1896.
syn. *basiata* PACKARD, C. 308; *incoloraria* WALKER, Cat. Brit. Mus., xxvi, 1509, 1862; PACKARD, C. 498; *congrua* WALKER, Cat. Brit. Mus., xxxv, 1623, 1866; PACKARD, C. 358.

DEILINIA Hübner.

HÜBNER, Verz. bek. Schmett., 310, 1818; PACKARD, C. 305; MEYRICK, Trans. Ent. Soc. Lond., 108, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 327, 1896; *Splecodes* HÜBNER (not LATREILLE), Tentamen, 1806; *Cabera* TREITSCHKE, Schmett. Eur., vi, 1, 343, 1827; STEPHENS, Brit. Ins., 44, 1829; DUPONCHEL, Léop. Fr., viii, (v), 5, 1830; LEDERER, Verh. zool.-bot. Ges. Wien, 200, 1853; GUENÉE, Spec. Gén., x, 52, 1857.

- *3620. *borealis* HULST, Trans. Am. Ent. Soc., xxiii, 327, 1896. Alberta.
- *3621. *elimaria* HULST, Ent. Amer., ii, 186, 1882. Col., Man.
- *3622. *quadrifasciaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 62, 1873; C. 205. Rocky Mts.
3623. *variolaria* GUENÉE, Spec. Gén., x, 56, 1857; Atl. States.
PACKARD, C. 306; HULST, Ent. News, v, 304, 1894.
syn. *intentata* WALKER, Cat. Brit. Mus., xxiii, 870, 1861; PACKARD, C. 306.

3624. *erythremaria* GUENÉE, Spec. Gén., x, 56, 1857; Atl.
PACKARD, C. 306. States.
3625. *exanthemata* SCOPOLI, Ent. Car., 218, 552, 1763; Can.,
STAUDINGER, Cat. Lep. Eur., 155, 1871. Eur.
- syn. *exanthemaria* DENIS & SCHIFFERMÜLLER,
Syst. Verz. Wien., 107, 5, 1776; STAU-
DINGER & REBEL, Cat. Lep. Eur., i, no. 3714,
1901; HULST, Trans. Am. Ent. Soc., xxiii,
327, 1896; *striaria* HÜBNER, *arenosaria*
HAWORTH, *approximaria* HAWORTH.
- *3626. *pacificaria* PACKARD, C. 307, 1876. Brit. Col.
- *3627. *nevadaria* HULST, Ent. Amer., iii, 217, 1888. Nev., Cal.
3628. *fœminaria* GUENÉE, Spec. Gén., x, 149, 1857; Col.,
WALKER, Cat. Brit. Mus., xxiv, 1029, 1862; Cal.
HULST, Ent. News, vi, 104, 1896.
- syn. *celataria* HULST, Ent. Amer., iii, 216,
1888; ?*monicaria* GUENÉE, Spec. Gén., x,
100, 1857 (type lost).
3629. *falcataria* PACKARD, Proc. Bost. Soc. Nat. Hist., Pac.
xvi, 32, 1874; C. 423. States.
3630. *carnearia* HULST, Ent. Amer., iii, 216, 1888. Cal.
3631. *biflata* HULST, Bull. Brook. Ent. Soc., iii, 44, Rocky
1880. Mts.
3632. *perpallidaria* GROTE, Can. Ent., xiv, 185, 1882; Col., Cal.,
Can. Ent., xv, 25, 1883. Brit. Col.
3633. *litaria* HULST, Ent. Amer., ii, 211, 1887. Rocky Mts., Cal.
3634. *pulveraria* HULST, Can. Ent., xxx, 161, 1898. Brit. Col.
3635. *quadraria* GROTE, Can. Ent., xiv, 185, 1882. Cal., Col., Nev.
3636. *liberaria* WALKER, Cat. Brit. Mus., xx, 239, Atl.
1860; HULST, Ent. Amer., iii, 10, 1887; Ent. States.
News, vi, 15, 1895; PACKARD, C. 297.
- syn. *integraria* WALKER, Cat. Brit. Mus.,
xxiii, 889, 1861; *littneraria* PACKARD,
Sixth Rept. Peab. Acad. Sci., 44, 1874;
C. 209; GOODELL, Can. Ent., x, 40, 1878.
3637. *nigroseriata* PACKARD, Proc. Bost. Soc. Nat. No.
Hist., xvi, 40, 1878; C. 246. U. S.
3638. *behrensaria* HULST, Ent. Amer., ii, 210, 1887; Rocky Mts.,
Ent. News, vi, 15, 1895. Pac. States.
- syn. ?*uniculcaria* GUENÉE, Spéc. Gén., x, 100,
1857; PACKARD, C. 275.
- a. *cervinicolor* HULST, Can. Ent., xxx, 161, 1898.
3639. *fumosa* HULST, Trans. Am. Ent. Soc., xxiii, 328, Col.,
1896. Cal.

- *3640. *solamata* HULST, Jn. N. Y. Ent. Soc., viii, 217, 1901. Man.

EPISEMASIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 328, 1896.

- *3641. *morboza* HULST, Trans. Am. Ent. Soc., xxiii, 328, 1896. Fla.

3642. *cervinaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 81, 1873; C. 532. Tex.

SCIAGRAPHIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 329, 1896.

3643. *sublacteolaria* HULST, Ent. Amer., ii, 189, 1887. Miss. Vall.

- *3644. *colorata* GROTE, Can. Ent., xv, 7, 1883. Ariz., N. Mex.

3645. *maculifascia* HULST, Trans. Am. Ent. Soc., xxiii, 329, 1876. Miss. Vall.

- *3646. *flavivenata* HULST, Can. Ent., xxx, 163, 1898. No. Atl. States.

3647. *granitata* GUENÉE, Spec. Gén., x, 85, 1857; PACKARD, C. 285; HULST, Ent. News, v, 304, 1894; DYAR, Ent. News, v, 63, 1894. Atl. States.

syn. *contemptata* GUENÉE, Spec. Gén., x, 86, 1857; PACKARD, C. 294; *haliata* GUENÉE, Spec. Gén., x, 97, 1857; PACKARD, C. 356; *disrupta* WALKER, Cat. Brit. Mus., xxi, 405, 1861; PACKARD, Rept. Geol. Surv. Terr., v, 553, 1875; *inordinaria* WALKER, Cat. Brit. Mus., xxi, 488, 1860; GROTE, Can. Ent., ix, 27, 1877; *retractaria* WALKER, Cat. Brit. Mus., xxiii, 785, 1861; PACKARD, C. 356; *submarmorata* WALKER, Cat. Brit. Mus., xxiii, 887, 1861; *evanspicata* WALKER, Cat. Brit. Mus., xxiii, 889, 1861; *irregularata* WALKER, Cat. Brit. Mus., xxiii, 890, 1861; *ordinata* WALKER, Cat. Brit. Mus., xxiv, 1038, 1862; *ernotata* WALKER, Cat. Brit. Mus., xxiv, 1186, 1862; *abruptata* WALKER, Cat. Brit. Mus., xxv, 1326, 1862; PACKARD, Fifth Rept. Peab. Acad. Sci., 88, 1873; *fissinotata* WALKER, Cat. Brit. Mus., xxvi, 1595, 1862; *subapicaria* WALKER, Can. Nat., vi, 40, 1861; Cat. Brit. Mus., xxvi, 1641, 1862; *retinotata* WALKER, Cat. Brit. Mus., xxvi, 1642, 1862; *quadrisignata* WALKER, Cat. Brit. Mus., xxxv, 1665, 1866; *sexmaculata* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 44, 1867; *succosata* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 485, 1872; *unimodaria* MORRISON, Proc. Bost. Soc. Nat. Hist., xvi, 196, 1874.

3648. *denticulata* GROTE, Can. Ent., xv, 133, 1883; HULST, Ent. Amer., ii, 223, 1887. Rocky Mts.
syn. *sexpunctata* BATES, Can. Ent., xviii, 75, 1886.
3649. *muscaria* GUENÉE, Spec. Gén., x, 98, 1857; PACKARD, C. 274; HULST, Ent. News, vi, 104, 1895. Col., Nev., Cal.
syn. *delectata* HULST, Ent. Amer., ii, 190, 1887.
3650. *punctolineata* PACKARD, Fifth Rept. Peab. Acad. Sci., 64, 1873; C. 284. Rocky Mts.
3651. *heliothidata* GUENÉE, Spec. Gén., x, 79, 1857; WALKER, Cat. Brit. Mus., xxiii, 891, 1861; HULST, Ent. News, v, 305, 1894; DYAR, Psyche, ix, 203, 1901.
syn. *ocellinata* GUENÉE, Spec. Gén., x, 85, 1857; ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 486, 1872; PACKARD, C. 283; *restorata* WALKER, Cat. Brit. Mus., xxii, 726, 1861; *subcolumbata* WALKER, Cat. Brit. Mus., xxvi, 1676, 1862; *duplicata* PACKARD, Fifth Rept. Peab. Acad. Sci., 65, 1873.
3652. *californiaria* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 392, 1871; xvi, 27, 1874; Rept. Geol. Surv. Terr., v, 553, 1873. Pac. States, Rocky Mts.
syn. *californiata* PACKARD, C. 281; GROTE, Can. Ent., xv, 8, 1883; *pallidata* PACKARD, Fifth Rept. Peab. Acad. Sci., 64, 1873.
3653. *respersata* HULST, Bull. Brook. Ent. Soc., iii, 42, 1880. Rocky Mts., B. C.
- *3654. *nubiculata* PACKARD, C. 267; HULST, Ent. Amer., ii, 224, 1886. Cal., Wyo., Ariz.
syn. *colata* GROTE, Pap., i, 167, 1881.
3655. *irrorata* PACKARD, C. 273; BUTLER, Pap., i, 222, 1882; DYAR, Ent. News, v, 63, 1894. Col., Ariz., Cal.
3656. *neptaria* GUENÉE, Spec. Gén., x, 99, 1857; WALKER, Cat. Brit. Mus., xxiii, 957, 1861.
syn. *neptata* PACKARD, C. 273; GROTE, Can. Ent., xv, 8, 1883; HULST, Ent. Amer., ii, 223, 1887; *flavofasciata* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 394, 1871; *cine-reata* BATES, Can. Ent., xviii, 75, 1886.
- *3657. *hebitata* HULST, Bull. Brook. Ent. Soc., iv, 34, 1881. Col., Ariz., Wash.
3658. *sinuata* PACKARD, Sixth Rept. Peab. Acad. Sci., 45, 1874; C. 271. Pac. States, Col.

3659. *snoviata* PACKARD, C. 268.
syn. *subminiata* PACKARD (not PACKARD). Sixth Rept. Peab. Acad. Sci., 49, 1874. Pa., Kans.
3660. *pervolata* HULST, Bull. Brook. Ent. Soc., iii, 42, 1880. Col., Ariz.
3661. *meadiaria* PACKARD, Sixth Rept. Peab. Acad. Sci., 47, 1874. Col., Ariz.
syn. *meadiata* PACKARD, C. 269.
3662. *continuata* WALKER, Cat. Brit. Mus., xxv, 1445, 1862; HULST, Ent. Amer., iii, 114, 1887; Ent. News, vi, 12, 1895. Atl. and Pac. States.
syn. *orillata* WALKER, Cat. Brit. Mus., xxvi, 1740, 1862; PACKARD, C. 265; *strigularia* WALKER, Cat. Brit. Mus., xxvi, 1675, 1862; PACKARD, C. 211; *excurvata* PACKARD, Sixth Rept. Peab. Acad. Sci., 47, 1874; *curvata* GROTE, Bull. Brook. Ent. Soc., iii, 47, 1880; *cruciata* GROTE, Trans. Kans. Acad. Sci., viii, 56, 1883; Ann. Mag. Nat. Hist., (5), xi, 55, 1883.
a. atrofasciata PACKARD, C. 264.
3663. *spodopterata* HULST, Can. Ent., xxx, 162, 1898. Cal., Col.
3664. *mellistrigata* GROTE, Bull. Buff. Soc., i, 12, 1873; HULST, Ent. Amer., ii, 224, 1887; PACKARD, C. 269. No. U. S.
a. trifasciata PACKARD, Sixth Rept. Peab. Acad. Sci., 46, 1874; C. 270.
3665. *subminiata* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 25, 1874; C. 272. Mont., Cal.

PHILOBIA Duponchel.

- DUPONCHEL, Hist. Nat., vii, 195, 1829; HULST, Trans. Am. Ent. Soc., xxiii, 330, 1896.
3666. *notata* LINNÆUS, Syst. Nat., 523, 1758; HULST, Trans. Am. Ent. Soc., xxiii, 330, 1896; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3782, 1901. Atl. States, Eur.
syn. *notaria* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, v, 104, 1776.
3667. *enotata* GUENÉE, Spec. Gén., x, 69, 1857; PACKARD, C. 288; HULST, Ent. News, v, 305, 1894; Trans. Am. Ent. Soc., xxiii, 330, 1896. U. S.
syn. *remulataria* WALKER, Cat. Brit. Mus., xxiii, 884, 1861; ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 487, 1872; *sectomaculata* MORRISON, Proc. Bost. Soc. Nat. Hist., xvi, 198, 1874; *notata* CRAMER (not LINNÆUS), Pap. Exot., iv, pl. 371, f. F., 1782.

MACARIA Curtis.

- CURTIS, Brit. Ent., vi, 132, 1826; PACKARD, C. 279; HOFMANN, Gr. Schm. Eur., 175, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 330, 1896.
3668. *infimata* GUENÉE, Spec. Gén., x, 81, 1857; Atl. States.
WALKER, Cat. Brit. Mus., xxiii, 907, 1861;
HULST, Ent. News, v, 305, 1894.
syn. *gnophosaria* GUENÉE, Spec. Gén., x, 99, 1857; PACKARD, C. 275; *infectata* WALKER, Cat. Brit. Mus., xxv, 1332, 1862; *seductata* WALKER, Cat. Brit. Mus., xxvi, 1654, 1862; *cæsiaria* HULST, Ent. Amer., iii, 217, 1887.
3669. *s-signata* PACKARD, Fifth Rept. Peab. Acad. Sci., Rocky Mts.,
63, 1873; C. 280; GROTE, Can. Ent., xv, 7, 127, Cal.
1883.
3670. *pictipennata* HULST, Can. Ent., xxx, 162, 1898. Col., Ariz.
- *3671. *labradoriata* MÖSCHLER, Stett. ent. Zeit., 118, Lab.
1883.
- *3672. *sabularia* GUENÉE, Spec. Gén., x, 105, 1857; No.
PACKARD, C. 276; HULST, Ent. News, vi, 105, Am.
1896 (type lost).
3673. *eremiata* GUENÉE, Spec. Gén., x, 109, 1857; PACKARD, C. 278; HULST, Ent. News, vi, 12, 105, 1895. Atl. States.
syn. *resectata* WALKER, Cat. Brit. Mus., xxiii, 959, 1861; *gradata* WALKER, Cat. Brit. Mus., xxiii, 968, 1861; *retentata* WALKER, Cat. Brit. Mus., xxiii, 968, 1861; *subcinctaria* WALKER, Cat. Brit. Mus., xxvi, 1655, 1862.
3674. *hypæthrata* GROTE, Pap., i, 167, 1881. Rocky Mts.
3675. *æquiferaria* WALKER, Cat. Brit. Mus., xxiii, 886, Atl. States,
1861; PACKARD, C. 295; HULST, Ent. Amer., Ariz.
iii, 114, 1888; Ent. News, v, 305, 1894.
syn. *postrema* WALKER, Cat. Brit. Mus., xxiii, 887, 1861; PACKARD, C. 295; *morosaria* WALKER, Cat. Brit. Mus., xxiii, 942, 1861; *galbiniata* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 484, 1872; PACKARD, C. 290.
3676. *minorata* PACKARD, Fifth Rept. Peab. Acad. Sci., Atl. States.
66, 1873; C. 291.
3677. *grassata* HULST, Bull. Brook. Ent. Soc., iv, 33, Atl. States.
1881; Ent. Amer., ii, 223, 1887.
- *3678. *præatomata* HAWORTH, Lep. Brit., 345, 1810; Atl. States.
PACKARD, C. 291; HULST, Ent. Amer., ii, 223, 1887.
syn. *consepia* WALKER, Cat. Brit. Mus., xxiii, 941, 1861.

- a. bisignata* WALKER, Cat. Brit. Mus., xxxv, 1655, 1866; PACKARD, C. 290.
syn. *consimilata* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 483, 1872.
- *3679. *quadrisignata* WALKER, Cat. Brit. Mus., xxxv, 1655, 1866. No. Am.
3680. *simulata* HULST, Ent. Amer., ii, 188, 1887. Tex., Ariz.
syn. *similata* HULST, Trans. Am. Ent. Soc., xxiii, 331, 1896.
3681. *mendicata* HULST, Ent. Amer., ii, 189, 1887. N. Mex., Ariz.
3682. *septemfuaria* GROTE, Pap., i, 41, 1881; HULST, Ent. Amer., ii, 223, 1887; Ent. News, v, 304, 1894. Atl. States.
syn. ?*quadrinotata* HERRICH-SCHAEFFER, Auss. Schmett., f. 347, 1855; *septemlinearia* GROTE.
3683. *glomeraria* GROTE, Pap., i, 41, 1881; Can. Ent., xiii, 139, 1881; Pap., ii, 84, 1882; HULST, Ent. News, v, 304, 1894. Atl. States.
- *3684. *teucaria* STRECKER, Lep. Rhop. Het., suppl. 2, 8, 1899. Wash.
- *3685. *ancillaria* STRECKER, Lep. Rhop. Het., suppl. 2, 8, 1899. Fla.
- *3686. *lapitaria* STRECKER, Lep. Rhop. Het., suppl. 2, 8, 1899. Tex., Mex.
- *3687. *ægaria* STRECKER, Lep. Rhop. Het., suppl. 2, 9, 1899. Col.
- *3687. 1. *dispuncta* WALKER, Cat. Brit. Mus., xxi, 405, 1860. Can.

CYMATOPHORA Hübner.

HÜBNER, Tent., 1810; PACKARD, C. 427; HARVEY, Bull. Buff. Soc., i, 276, 1873; *Dia-tictis* HÜBNER, Verz. bek. Schmett., 288, 1818; MEYRICK, Trans. Ent. Soc. Lond., 103, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 331, 1896; *Itama* HÜBNER, Verz. bek. Schmett., 299, 1818; *Rhyparia* HÜBNER, Verz. bek. Schmett., 305, 1818; *Dryocetis* HÜBNER, Verz. bek. Schmett., 316, 1818; *Speranza* CURTIS, Brit. Ent., v, 222, 1825; *Grammatophora* STEPHENS, Cat., 126, 1829; *Italia* DUPONCHEL, Hist. Nat., vii, 537, 1829; GUENÉE, Spec. Gén., x, 91, 1857; HOFMANN, Gr. Schm. Eur., 188, 1894; *Thamnomoma* LEDERER, Verh. zool.-bot. Ges. Wien, 233, 1853; PACKARD, C. 249; *Tephрина* GUENÉE, Spec. Gén., x, 96, 1857; *Eumacaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 67, 1874; C. 298; *Eufitchia* PACKARD, C. 247; *Catastictis* v. GUMPENBERG, Nov. Act. Halle, lxi, 370, 1887.

- *3688. *deleta* HULST, Jn. N. Y. Ent. Soc., viii, 218, 1901. Atl. States.
- *3689. *virginalis* HULST, Jn. N. Y. Ent. Soc., viii, 218, 1901. Atl. States.

3690. *ribearia* FITCH, Trans. N. Y. Agr. Soc., viii, 466, 1848; Third Rept. Ins. N. Y., 427, 1856; WALSH, Pract. Ent., 22, 1865; SAUNDERS, Rept. Ent. Soc. Ont., 374, 1874; Can. Ent., vi, 138, 1874; Ins. Inj. Fruits, 345, 1883; PACKARD, C. 248; RILEY, Rept. Ins. Mo., ix, 3, 1877; LINTNER, Ent. Cont., iii, 166, 1872; HULST, Ent. News, vi, 104, 1895.
 syn. *sigmaria* GUENÉE, Spec. Gén., ix, 184, 1857; WALKER, Cat. Brit. Mus., xxiv, 1068, 1862; *annisaria* WALKER, Can. Nat., v, 260, 1860; *aniusaria* WALKER, Cat. Brit. Mus., xxvi, 1507, 1862; PACKARD, C. 497; *grossulariata* SAUNDERS, Rept. Ent. Soc. Ont., xii, 83, 1881.
- *3691. *sulphurea* PACKARD, Fifth Rept. Peab. Acad. Sci., 77, 1873. Atl. States.
 syn. *sulphuraria* PACKARD, C. 255.
3692. *occiduaria* PACKARD, Sixth Rept. Peab. Acad. Sci., 52, 1874; C. 473. Pac. States.
3693. *flavicaria* PACKARD, C. 256. No. Atl. States.
- *3694. *fascioferaria* HULST, Ent. Amer., ii, 191, 1887. No. U. S.
3695. *brunneata* THUNBERG, Diss. Ent., i, 9, 1784; STAUDINGER & WOCKE, Cat. Lep. Eur., i, no. 2451, 1871; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 4018, 1901; PACKARD, C. 256. No. U. S., Eur.
 syn. *pinetaria* HÜBNER, *quinquaria* HÜBNER, *sylvaria* CURTIS, *cembraria* MOTSCHULSKY, *ferruginaria* PACKARD.
- *3696. *crocearia* HULST, Ent. Amer., ii, 211, 1887. Tex.
3697. *ella* HULST, Trans. Am. Ent. Soc., xxiii, 332, 1896. Wash.
- *3698. *cervinaria* BLANCHARD, Gay's Hist. Chile, Zool., vii, 89, 1852; HULST, Ent. News, v, 305, 1894. Fla., Tex., Ariz., So. Am.
 syn. *eversaria* GUENÉE, Spec. Gén., ix, 93, 1857; WALKER, Cat. Brit. Mus., xx, 116, 1860; *rithusaria* WALKER, Cat. Brit. Mus., xx, 162, 1860; *tegularia* WALKER, Cat. Brit. Mus., xx, 228, 1860.
- a. gausaparia* GROTE, Pap., i, 41, 1881.
- *3699. *nicetaria* GUENÉE, Spec. Gén., x, 107, 1857; HULST, Ent. News, v, 305, 1894. Fla.
 syn. *proditata* WALKER, Cat. Brit. Mus., xxii, 633, 1861; *confinaria* WALKER, Cat. Brit. Mus., xxiii, 959, 1861; *cyclata* WALKER, Cat. Brit. Mus., xxvi, 1669, 1862; *liboraria* WALKER, Cat. Brit. Mus., xxvi, 1495, 1862; *lucidiferata* WALKER, Cat. Brit. Mus., xxvi, 1574, 1862; *vagararia* WALKER, Cat. Brit. Mus., xxvi, 1685, 1862.

- *3700. *solitaria* WALKER, Cat. Brit. Mus., xxii, 631, 1861; HULST, Ent. News, v, 306, 1894. Fla.
 syn. *stabilitata* WALKER, Cat. Brit. Mus., xxii, 632, 1861; *repugnata* WALKER, Cat. Brit. Mus., xxvi, 1577, 1862.
a. inaptata WALKER, Cat. Brit. Mus., xxiii, 886, 1861; PACKARD, C. 297.
- *3701. *helena* HULST, Trans. Am. Ent. Soc., xxiii, 332, 1896. N. Y.
- *3702. *nervata* GUENÉE, Spec. Gén., x, 85, 1857; WALKER, Cat. Brit. Mus., xxiii, 910, 1861. Fla.
 syn. *tractata* WALKER, Cat. Brit. Mus., xxiii, 890, 1861; PACKARD, C. 296.
3703. *inceptaria* WALKER, Cat. Brit. Mus., xxvi, 1667, 1862; HULST, Ent. News, vi, 11, 1895; SLINGERLAND, Rural New Yorker, 497, 1896. Atl. States.
 syn. *argillacearia* PACKARD, Sixth Rept. Peab. Acad. Sci., 48, 1874; C. 258; *modestaria* HULST, Ent. News, vi, 11, 1895.
- *3704. *evagaria* HULST, Can. Ent., xxxii, 106, 1900. Col., Alberta, Minn., Ont.
3705. *subcessaria* WALKER, Cat. Brit. Mus., xxiii, 945, 1861; PACKARD, C. 254; HULST, Ent. News, v, 306, 1894. U. S.
 syn. *perarcuata* WALKER, Cat. Brit. Mus., xxiv, 1264, 1862.
a. coortaria HULST, Ent. Amer., ii, 191, 1887.
3706. *bitactata* WALKER, Cat. Brit. Mus., xxiv, 1264, 1862; HULST, Ent. News, v, 306, 1894. U. S.
 syn. *quadrilinearis* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 26, 1874; C. 252.
- *3707. *packardaria* MÖSCHLER, Stett. ent. Zeit., 119, 1883. Lab.
3708. *wauaria* LINNÆUS, Syst. Nat., 522, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 4013, 1901. No. U. S., Eur.
 syn. *wawaria* FABRICIUS, Syst. Ent., iii, 2, 150, 1794; PACKARD, C. 253; HOFMANN, Gr. Schm. Eur., 189, 1894; *wauaria* SCHRANK, Faun. Boica, ii, 2, 24, 1802; *wawaria* HERICH-SCHAEFFER; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 301, 1884; *fuscaria* THUNBERG, Diss. Ent., iv, 58, 1794; *v-nigraria* HAWORTH, Lep. Brit., 282, 1829; *atrosignata* WALKER, Cat. Brit. Mus., xxv, 1457, 1862; *circumflexaria* EVERS-MANN, Bull. Mosc., iii, 226, 1848.

3709. *pustularia* HÜBNER, Zutr. exot. Schmett., f. 879, 1837; PACKARD, C. 564; HULST, Ent. News, vi, 106, 1895. Atl. States.
- syn. *latiferrugata* WALKER, Cat. Brit. Mus., xxvi, 1640, 1862; PACKARD, C. 296; HULST, Ent. News, v, 304, 1894; *brunneata* PACKARD, Fifth Rept. Peab. Acad. Sci., 67, 1873; Rept. Geol. Surv. Terr., v, 553, 1873; *brunnearia* PACKARD, C. 298; GOODELL, Can. Ent., x, 66, 1878; KELLCOTT, Can. Ent., xvii, 32, 1885.
3710. *graphidiaria* HULST, Ent. Amer., ii, 190, 1887. Ariz., N. M., Mex., Tex.
3711. *octolineata* HULST, Ent. Amer., ii, 189, 1887. Ariz.
- *3712. *particolor* HULST, Can. Ent., xxx, 163, 1898. Fla.
- *3713. *marinaria* STRECKER, Lep. Rhop. Het., suppl. 2, 9, 1899. Wash.
- *3714. *floridensis* HULST, Can. Ent., xxx, 164, 1898. Fla.
- *3715. *decorata* HULST, Trans. Am. Ent. Soc., xxiii, 333, 1896. Col.
- *3716. *sericeata* HULST, Can. Ent., xxx, 191, 1898. Ariz., Col.
3717. *olivalis* HULST, Can. Ent., xxx, 191, 1898. ? Tex.
3718. *benigna* HULST, Can. Ent., xxx, 191, 1898. Cal.
- *3719. *pervelata* WALKER, Cat. Brit. Mus., xxvi, 1760, 1862; PACKARD, C. 276; HULST, Ent. News, vi, 105, 1895 (type lost). Ga.
3720. *rectifascia* HULST, Trans. Am. Ent. Soc., xxiii, 333, 1896. Wash.
3721. *guenearia* PACKARD, C. 252, 1876. Cal.
3722. *tenebrosata* HULST, Ent. Amer., ii, 189, 1887. Ariz.
- *3723. *subalbaria* HULST, Trans. Am. Ent. Soc., xxiii, 333, 1896. U. S.
3724. *minuta* HULST, Trans. Am. Ent. Soc., xxiii, 334, 1896. Tex., Ariz.
- *3725. *maricopa* HULST, Can. Ent., xxx, 164, 1898. Ariz.
3726. *abbreviata* WALKER, Cat. Brit. Mus., xxvi, 1673, 1862; PACKARD, C. 210; HULST, Ent. News, vi, 105, 1896. Atl. States.
- syn. *florida* HULST, Trans. Am. Ent. Soc., xxiii, 334, 1896.
- *3727. *crassata* HULST, Trans. Am. Ent. Soc., xxiii, 333, 1896. Col.

- *3728. *deceptata* HULST, Trans. Am. Ent. Soc., xxiii, 334, 1896. N. Y.
- *3729. *pallidula* HULST, Trans. Am. Ent. Soc., xxiii, 334, 1896. Col.
- *3730. *subacuta* HULST, Trans. Am. Ent. Soc., xxiii, 335, 1896. Col., Nev.
- *3731. *cinereola* HULST, Trans. Am. Ent. Soc., xxiii, 335, 1896. Col.
3732. *umbriferata* HULST, Ent. Amer., ii, 189, 1887. Col., Cal.,
syn. *umbri-fasciata* HULST, Trans. Am. Ent. N. Mex.
Soc., xxiii, 332, 1896.
3733. *inquinaria* HULST, Ent. Amer., ii, 189, 1887. Col., Cal.
3734. *denticulodes* HULST, Trans. Am. Ent. Soc., xxiii, 332, 1896. N. Y.,
Col.
- *3735. *fasta* HULST, Trans. Am. Ent. Soc., xxiii, 335, 1896. Col.
- *3736. *subfalcata* HULST, Trans. Am. Ent. Soc., xxiii, 335, 1896. Col.,
Man.
- *3737. *bicolorata* FABRICIUS, Syst. Ent., suppl., 149, 1794; GUENÉE, Spec. Gén., x, 77, 1857; PACK- Fla.,
ARD, C. 294; WALKER, Cat. Brit. Mus., xxiii, Cal.,
883, 1861. Alberta.
- *3738. *distribuaria* HÜBNER, Zutr. exot. Schmett., f. Atl.
585, 1825; PACKARD, C. 293; HULST, Ent. News, States.
v, 305, 1896.
syn. *oppositaria* GUENÉE, Spec. Gén., x, 76,
1857; PACKARD, C. 293; *proanthata*
WALKER, Cat. Brit. Mus., xxvi, 1642, 1862;
PACKARD, C. 297; *antaurata* WALKER, Cat.
Brit. Mus., xxvi, 1686, 1862.
a. transitaria WALKER, Cat. Brit. Mus., xxiii,
886, 1861; PACKARD, C. 295.
- *3739. *donotaria* WALKER, Cat. Brit. Mus., xxvi, 1673. Ga.
1862 (type lost).
3739. 1. *speciosa* HULST, Trans. Am. Ent. Soc., xxiii, N. Mex.
332, 1896.

NYCTIPHANTA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 336, 1896.

- *3740. *lætula* HULST, Trans. Am. Ent. Soc., xxiii, 336, Ariz.
1896.

APOLEMA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 336, 1896.

- *3741. *carata* HULST, Ent. Amer., ii, 211, 1887. Fla.

EUASPILATES Packard.

PACKARD, Sixth Rept. Peab. Acad. Sci., 45, 1874; C. 203; HULST, Trans. Ent. Soc., xxiii, 337, 1896.

3742. *spinataria* PACKARD, Sixth Rept. Peab. Acad. Sci., 45, 1874; Rept. Geol. Surv. Terr., v, 551, 1875; C. 204; STRECKER, Surv. Dept. Mo., Ruffner, App. SS, 1863, 1878; BRUCE, Ent. Amer., iii, 49, 1887. Rocky Mts.

ANTHELIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 337, 1896.

- *3743. *taylorata* HULST, Trans. Am. Ent. Soc., xxiii, 337, 1896. Brit. Col.

SYMPHERTA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 338, 1896.

3744. *julia* HULST, Trans. Am. Ent. Soc., xxiii, 338, 1896. Atl. States, Rocky Mts.
- *3745. *coloradensis* HULST, Trans. Am. Ent. Soc., xxiii, 338, 1896. Col.
3746. *marcessaria* GUENÉE, Spec. Gén., x, 92, 1857; PACKARD, C. 251; HULST, Ent. Amer., iii, 9, 1887. Cal., Col.
- a. cineraria* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 392, 1871.
3747. *tripunctaria* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 26, 1874; C. 250; BUTLER, Pap., i, 222, 1882; HULST, Ent. News, vi, 11, 1895. Cal., Brit. Col.
- syn. ?*lorquinaria* GUENÉE, Spec. Gén., x, 101, 1857; WALKER, Cat. Brit. Mus., xxiii, 958, 1861; HULST, Ent. Amer., iii, 9, 1887; Ent. News, vi, 11, 1895 (type lost).

HOMOCHLODES Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 339, 1896.

3748. *fritillaria* GUENÉE, Spec. Gén., x, 136, 1857; PACKARD, C. 489; HULST, Ent. News, v, 306, 1894. No. Atl. States.
- syn. *discoventa* WALKER, Cat. Brit. Mus., xxi, 404, 1860; PACKARD, C. 243; GROTE, Can. Ent., ix, 28, 1877; HULST, Ent. News, v, 306, 1894; *latispargaria* WALKER, Can. Nat., vi, 41, 1861; Cat. Brit. Mus., xxv, 1387, 1862; *immersata* WALKER, Cat. Brit. Mus., xxiv, 1228, 1862.

- *3749. *famulata* HULST, Ent. Amer., ii, 191, 1887. Ont.

THALLOPHAGA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 339, 1896.

- *3750. *fautaria* HULST, Ent. Amer., iii, 216, 1888; Ent. News, v, 306, 1894. Cal., Col., B. C.

ÆTHYCTERA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 339, 1896.

- *3751. *electa* HULST, Trans. Am. Ent. Soc., xxiii, 339, 1896. Cal.
- *3752. *lineata* HULST, Can. Ent., xxx, 192, 1898. Col.

APÆCASIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 340, 1896.

3753. *detersata* GUENÉE, Spec. Gén., x, 105, 1857; PACKARD, C. 243. N. E. States, Col.
- *3754. *deductaria* WALKER, Cat. Brit. Mus., xx, 237, 1860; HULST, Ent. News, vi, 13, 1895. No. Atl. States.
syn. *atropunctata* PACKARD, Sixth Rept. Peab. Acad. Sci., 50, 1874; C. 244; GROTE, Can. Ent., xii, 219, 1880; *feraldi* GROTE, Can. Ent., x, 17, 1878.
3755. *defluata* WALKER, Cat. Brit. Mus., xxiii, 984, 1861; PACKARD, C. 245; HULST, Ent. News, vi, 71, 1895. No. Atl. States.
syn. *subæquaria* WALKER, Cat. Brit. Mus., xxvi, 1660, 1862; PACKARD, C. 247.
- *3756. *mercedulata* STRECKER, Lep. Rhop. Het., suppl. 2, 9, 1899. Cal.
- *3757. *extremaria* WALKER, Cat. Brit. Mus., xxiii, 984, 1861; PACKARD, C. 247; HULST, Ent. News, vi, 42, 1895. Atl. States.
syn. *ordinaria* WALKER, Cat. Brit. Mus., xxiv, 1068, 1861.

CATOPYRRHA Hübner.

HÜBNER, Verz. bek. Schmett., 300, 1818; GUENÉE, Spec. Gén., x, 182, 1857; WALKER, Cat. Brit. Mus., xxiv, 1064, 1861; HULST, Trans. Am. Ent. Soc., xxiii, 340, 1896.

- *3758. *ferruginosaria* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 388, 1871; C. 426. Col.



3759. *coloraria* FABRICIUS, Syst. Ent., suppl., 96, 1798; Atl.
PACKARD, C. 206; HULST, Ent. Amer., iii, 10, States.
1887; Ent. News, vi, 15, 1895.
syn. *accessaria* HÜBNER, Zutr. exot. Schmett.,
f. 503, 1820?; *eruentaria* HÜBNER, Eur.
Schmett., pl. 10, f. 48, 1830?; DUPONCHEL,
Hist. Nat., viii, 128, 1829; *atropunctaria*
WALKER, Cat. Brit. Mus., xxvi, 1673, 1862;
PACKARD, C. 210.
a. olenusaria WALKER, Cat. Brit. Mus., xxvi,
1675, 1862; PACKARD, C. 216.
b. dissimilaria HÜBNER, Samml. exot. Schmett.,
i, 1806; PACKARD, C. 208.
c. sphæromacaria HARVEY, Bull. Buff. Soc., ii,
284, 1875; PACKARD, C. 207.
d. perolivata HULST, Trans. Am. Ent. Soc., xxiii,
340, 1896.

ENEMERA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 340, 1896.

3760. *juturnaria* GUENÉE, Spec. Gén., x, 147, 1857; Rocky Mts.,
PACKARD, C. 241; BUTLER, Pap., i, 222, 1881; Pac. States,
DYAR, Ent. News, v, 63, 1894; HULST, Ent. Alaska.
News, vi, 104, 1895.
a. californiaria PACKARD, Proc. Bost. Soc. Nat.
Hist., xiii, 394, 1871; C. 241.
3761. *viridirufaria* NEUMOEGEN, Pap., i, 145, 1881. Ariz.

CARIPETA Walker.

WALKER, Cat. Brit. Mus., xxvi, 1524, 1862; PACKARD, C. 237; HULST, Trans. Am.
Ent. Soc., xxiii, 341, 1896; *Parennomos* PACKARD.

- *3762. *ida* HULST, Trans. Am. Ent. Soc., xxiii, 341, 1896. Col.
*3763. *græfiaria* HULST, Ent. Amer., ii, 192, 1887. Ariz.
3764. *divisata* WALKER, Cat. Brit. Mus., xxvi, 1525, Atl.
1862; PACKARD, C. 237; HULST, Ent. News, vi, States.
12, 105, 1895.
syn. *albopunctata* MORRISON, Proc. Bost. Soc.
Nat. Hist., xvi, 202, 1874.
3765. *angustiorata* WALKER, Cat. Brit. Mus., xxvi, Atl.
1524, 1862; PACKARD, C. 238; Am. Nat., xviii, States.
1095, 1884; HULST, Ent. Amer., iii, 9, 1887.
syn. *piniiaria* PACKARD, New or Little Known
Ins., 15, 1870.
a. latiorata WALKER, Cat. Brit. Mus., xxvi, 1525,
1862; PACKARD, C. 239.

- *3766. *aretaria* WALKER, Cat. Brit. Mus., xx, 258, 1860; HULST, Ent. News, vi, 12, 1895. Va. to Ga.
 syn. *subochrearia* GROTE, Can. Ent., xv, 9, 1883; HULST, Ent. Amer., iii, 9, 1887; Ent. News, vi, 12, 1895.
3767. *æqualiaria* GROTE, Trans. Kans. Acad. Sci., viii, 56, 1883; Ann. Mag. Nat. Hist., (5), xi, 56, 1883; HULST, Ent. Amer., iii, 9, 1887. Col., N. Mex.
- *3768. *seductaria* STRECKER, Lep. Rhop. Het., suppl. 2, 9, 1899. Pa.

PHENGOMMATÆA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 341, 1896.

3769. *edwardsata* HULST, Ent. Amer., i, 203, 1886. Col., Ariz., Cal.
3770. *gertruda* HULST, Trans. Am. Ent. Soc., xxiii, 342, 1896. Col.
- *3771. *dissimilis* HULST, Can. Ent., xxx, 215, 1898. Col.

PLATEA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Ausser. Schmett., 29, 1855; HULST, Trans. Am. Ent. Soc., xxiii, 342, 1896; GROTE, Proc. Ent. Soc. Phil., ii, 344, 1865; *Gorytodes* GUENÉE, Spec. Gén., x, 179, 1857; PACKARD, C. 201.

3772. *californiaria* HERRICH-SCHAEFFER, Ausser. Schmett., f. 537, 1855; WALKER, Cat. Brit. Mus., xxvi, 1673, 1862. Cal.
 syn. *uncanaria* GUENÉE, Spec. Gén., x, 180, 1857; PACKARD, C. 201.
- a. personaria* HY. EDWARDS, Pap., i, 120, 1881.
3773. *trilinearia* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 24, 1874; C. 202; HULST, Ent. Amer., iii, 11, 1887. Tex., Col., Ariz., Nev.
a. dulcearia GROTE, Bull. Brook. Ent. Soc., iii, 46, 1880.
3774. *diva* HULST, Trans. Am. Ent. Soc., xxiii, 343, 1896. So. Cal.
- *3775. *demorsaria* STRECKER, Lep. Rhop. Het., suppl. 2, 9, 1899. Wash.

ENYPIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 343, 1896.

3776. *venata* GROTE, Can. Ent., xv, 133, 1883. Pac. States.
- *3777. *perangulata* HULST, Trans. Am. Ent. Soc., xxiii, 242, 1896. Col., Ariz.

PHILEDIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 343, 1896.

3778. *punctomacularia* HULST, Ent. Amer., iii, 214, 1888; HOPKINS, Bull. 21, n. s., U. S. Dept. Agr., 18, 1899 (without name). Pac. States.

NEPYTIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 344, 1896.

3779. *nigrovenaria* PACKARD, C. 454. Pac. States.
3780. *semiclusaria* WALKER, Cat. Brit. Mus., xxvi, 1506, 1862; HULST, Ent. News, vi, 42, 1895. No. U. S.
- syn. *pulcherraria* MINOT, Proc. Bost. Soc. Nat. Hist., xiii, 170, 1896; PACKARD, C. 452;
pellucidaria PACKARD, Fifth Rept. Peab. Acad. Sci., 78, 1873; MORRISON, Psyche, i, 68, 1875; *pinaria* PACKARD, New or Little Known Ins., 14, 1870; DIMMOCK, Psyche, iv, 272, 1885.
- a. *canosaria* WALKER, Cat. Brit. Mus., xxvi, 1675, 1862; PACKARD, C. 210.
- *3781. *fumosaria* STRECKER, Lep. Rhop. Het., suppl. 2, 10, 1899. Fla., Ill.
- *3782. *phantasmaria* STRECKER, Lep. Rhop. Het., suppl. 2, 10, 1899. Wash.
3783. *umbrosata* PACKARD, Proc. Bost. Soc. Nat. Hist. xvi, 23, 1874; C. 453. Pac. States.

ALCIS Curtis.

CURTIS, Brit. Ent., iii, 303, 1825; HULST, Trans. Am. Ent. Soc., xxiii, 344, 1896; *Hesperunia* PACKARD, Fifth Rept. Peab. Acad. Sci., 79, 1873; Proc. Bost. Soc. Nat. Hist., xvi, 37, 1873.

3784. *sulphuraria* PACKARD, Fifth Rept. Peab. Acad. Sci., 79, 1873; C. 477. U. S.
- syn. *ochreatea* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 37, 1873.
- a. *baltearia* HULST, Bull. Brook. Ent. Soc., iii, 43, 1880.
- b. *unicoloraria* HULST, Ent. Amer., i, 208, 1886.
3785. *multilineata* PACKARD, Fifth Rept. Peab. Acad. Sci., 65, 1873; C. 287; HULST, Ent. Amer., ii, 223, 1887. N.-E. U. S., Rocky Mts.
- syn. *patriciata* GROTE, Can. Ent., xv, 129, 1883.
3786. *dislocaria* PACKARD, C. 282; GROTE, Can. Ent., xv, 8, 1883. Iowa, Tex., Col.
3787. *metanemaria* HULST, Ent. Amer., ii, 188, 1887. Ariz., Cal.
3788. *depromaria* GROTE, Can. Ent., xv, 87, 1883. Rocky Mts. Cal.
3789. *lallata* HULST, Can. Ent., xxx, 193, 1898. Ariz.

3790. *atrolinaria* HULST, Ent. Amer., iii, 214, 1888. Atl. States,
Col.
3791. *spododea* HULST, Trans. Am. Ent. Soc., xxiii, 345,
1896. Col.
3792. *dissonaria* HULST, Trans. Am. Ent. Soc., xxiii,
345, 1896. Col.
- *3793. *guttata* HULST, Jn. N. Y. Ent. Soc., viii, 219,
1901. N. Y.,
Pa.
- *3794. *dejecta* HULST, Trans. Am. Ent. Soc., xxiii, 345,
1896. Col., Cal.,
Ariz.
3795. *quinquelinearia* PACKARD, Sixth Rept. Peab. Acad.
Sci., 51, 1874; C. 432. Tex.
3796. *obliquaria* GROTE, Can. Ent., xv, 124, 1883. Col., Cal.,
Ariz.
3797. *imitata* WALKER, Cat. Brit. Mus., xxi, 395, 1860;
HULST, Ent. News, vi, 42, 1895. Cal.,
Nev.
syn. *californiaria* PACKARD, Proc. Bost. Soc.
Nat. Hist., xiii, 388, 1869; C. 411.
3798. *mæstosa* HULST, Can. Ent., xxx, 193, 1898. Iowa.
3799. *latifasciaria* PACKARD, Proc. Bost. Soc. Nat. Hist.,
xvi, 33, 1873; C. 447; Bull. U. S. Ent. Comm.,
vii, 49, 1881. Cal.,
Wash.
3800. *haydenata* PACKARD, C. 445, 1876. Rocky Mts.
- *3801. *luridula* HULST, Trans. Am. Ent. Soc., xxiii, 346,
1896. Ga.,
Fla.
3802. *latipennis* HULST, Trans. Am. Ent. Soc., xxiii,
346, 1896. Wash.

PARAPHIA Guenée.

GUENÉE, Spec. Gén., ix, 271, 1857; PACKARD, C. 415; HULST, Trans. Am. Ent. Soc.,
xxiii, 346, 1896; *Amilapis* GUENÉE, Spec. Gén., x, 62, 1857.

3803. *subatomaria* WOOD, Ind. Ent., 241, f. 1673, 1839; Atl.
PACKARD, C. 417; HULST, Ent. News, vi, 73, 1895. States.
- syn. *nubecularia* GUENÉE, *mammuraria*
GUENÉE, *impropriata* WALKER, Cat. Brit.
Mus., xxiii, 888, 1861; *casuperata* WALKER,
Cat. Brit. Mus., xxvi, 1655, 1862.
- a. *unipuncta* HAWORTH, Lep. Brit., 345, 1820?;
PACKARD, C. 416.
- syn. *unipunctata* GUENÉE, *triplicinctaria*
FITCH, Trans. N. Y. Agr. Soc., xviii, 825,
1860.
- b. *deplanaria* GUENÉE, Spec. Gén., ix, 272, 1857;
PACKARD, C. 418; HULST, Ent. News, vi, 73,
1895.
- syn. *fidoniata* WALKER, Cat. Brit. Mus., xxiii,
924, 1861.

SPODOLEPIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 347, 1896.

3804. *substriaria* HULST, Trans. Am. Ent. Soc., xxiii, 347, 1896. N. Y., N. J.

STENOTRACHELYS Guenée.

GUENÉE, Spec. Gén., ix, 290, 1857; PACKARD, C. 448; HULST, Trans. Am. Ent. Soc., xxiii, 347, 1896.

3805. *approximaria* HÜBNER, Samml. exot. Schmett., i, 1806; PACKARD, C. 449. So. Atl. States.
3806. *permagnaria* PACKARD, C. 450, 1876. Mo.

LYTROSIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 348, 1896.

3807. *unitaria* HERRICH-SCHAEFFER, Ausser. Schmett., f. 204, 1855; PACKARD, C. 447; Bull. U. S. Ent. Comm., vii, 49, 1881. Atl. States.

MERIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 348, 1896.

- *3808. *alticola* HULST, Trans. Am. Ent. Soc., xxiii, 348, 1896. Col.

PTEROTÆA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 349, 1896.

- *3809. *cariosa* HULST, Trans. Am. Ent. Soc., xxiii, 349, 1896. Cal.

IXALA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 349, 1896.

3810. *desperaria* HULST, Ent. Amer., ii, 210, 1887. N. Mex., Ariz.
- a. unicoloraria* HULST, Ent. Amer., iii, 217, 1888.

PTEROSPODA Dyar.

Spodoptera HULST (not GUENÉE), Trans. Am. Ent. Soc., xxiii, 350, 1896.

- *3811. *opuscularia* HULST, Ent. Amer., ii, 210, 1887. Cal.
3812. *kunzei* HULST, Can. Ent., xxx, 192, 1898. Ariz.

SOMATOLOPHIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 350, 1896.

- *3813. *umbripennis* HULST, Trans. Am. Ent. Soc., xxiii, 350, 1896. Col.

TORNOS Morrison.

MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 217, 1875; PACKARD, C. 214; HULST, Trans. Am. Ent. Soc., xxiii, 351, 1896.

3814. *scolopacinaris* GUENÉE, Spec. Gén., x, 360, 1857; So. Atl.
PACKARD, C. 565; HULST, Ent. News, vi, 103, States.
1896.

syn. *rubiginosus* MORRISON, Proc. Bost. Soc.
Nat. Hist., xvii, 218, 1875; PACKARD, C. 214.
a. cinctarius HULST, Ent. Amer., ii, 192, 1887.

3815. *abjectarius* HULST, Ent. Amer., ii, 192, 1887. So. Atl.
States.

EXELIS Guenée.

GUENÉE, Spec. Gén., ix, 323, 1857; *Patridiva* WALKER, Cat. Brit. Mus., xxvi, 1688, 1862.

3816. *pyrolaria* GUENÉE, Spec. Gén., ix, 324, 1857; So. Atl.
PACKARD, C. 565; HULST, Ent. News, vi, 103, States.
1895; Ent. Amer., iv, 50, 1888.

syn. *teusaria* WALKER, Cat. Brit. Mus., xxvi,
1689, 1862; *approximaria* PACKARD, C. 215;
HULST, Ent. Amer., iii, 11, 1887; *infumata*
GROTE, Can. Ent., ix, 90, 1877.

SYNGLOCHIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 351, 1896.

- *3817. *perumbraria* HULST, Trans. Am. Ent. Soc., xxiii, Cal.
352, 1896.

GLAUCINA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 352, 1896.

3818. *pygmeolaria* GROTE, Can. Ent., xv, 24, 1883; Ariz.
HULST, Ent. Amer., iii, 11, 1887.

3819. *escaria* GROTE, Can. Ent., xv, 24, 1883; HULST, Col.,
Ent. Amer., iii, 11, 1887. Ariz.

- *3820. *incopriata* HULST, Ent. Amer., ii, 210, 1887. Cal., Ariz.

HOLOCHROA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 352, 1896.

3821. *dissociaria* HULST, Ent. Amer., ii, 192, 1887. Tex., Cal.

CÆNOCHARIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 353, 1896.

- *3822. *eupitheciaria* GROTE, Can. Ent., xv, 24, 1883. Ariz.

3823. *elongata* HULST, Trans. Am. Ent. Soc., xxiii, 353, 1896. Tex., Ariz.
3824. *interruptaria* GROTE, Can. Ent., xiv, 185, 1883; HULST, Ent. Amer., iii, 11, 1887; iv, 49, 1888. Col., Ariz., Cal.
- *3825. *ochrofuscaria* GROTE, Can. Ent., xiv, 186, 1883; HULST, Ent. Amer., iii, 11, 1887. Ariz.

ÆTHALODES Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 354, 1896.

- *3826. *packardaria* HULST, Ent. Amer., iii, 217, 1888. Cal.

CHESIADODES Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 354, 1896.

- *3827. *morosata* HULST, Trans. Am. Ent. Soc., xxiii, 354, 1896. Cal.

SELIDOSEMA Hübner.

HÜBNER, Verz. bek. Schmett., 299, 1818; LEDERER, Verh. zool.-bot. Ges. Wien, 232, 1853; PACKARD, C. 240; MEYRICK, Trans. Ent. Soc. Lond., 105, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 354, 1896; *Adactylotis* HÜBNER, Verz. bek. Schmett., 303, 1818.

- *3828. *muricolor* HULST, Trans. Am. Ent. Soc., xxiii, 355, 1896. Pa.
3829. *wrightiarium* HULST, Ent. Amer., iii, 215, 1888. Cal.
- *3830. *fuliginarium* HULST, Ent. Amer., iii, 215, 1888. Ill., Tex.
- *3831. *delicatum* HULST, Can. Ent., xxxii, 106, 1900. Cal.
3832. *lachrymosum* HULST, Can. Ent., xxx, 194, 1898. Cal.
syn. *homopteroïdes* HULST, Jn. N. Y. Ent. Soc., viii, 219, 1901.
- *3833. *pulmonarium* GROTE, Pap., i, 167, 1881. Col., Ariz., N. Mex.
- *3834. *clivinarium* GUENÉE, Spec. Gén., ix, 245, 1857; PACKARD, C. 455; HULST, Ent. News, vi, 105, 1895. Cal.
- *3835. *separatarium* GROTE, Can. Ent., xv, 124, 1883. Ariz.
3836. *nigrescens* HULST, Can. Ent., xxx, 214, 1898. Tex.
- *3837. *laminarium* STRECKER, Lep. Rhop. Het., suppl. 2, 10, 1899. Cal.

3838. **humarium** GUENÉE, Spec. Gén., ix, 246, 1857; Atl. States,
PACKARD, C. 435; HULST, Ent. News, vi, 41, 72, N. Mex.,
1895. Cal.
- syn. *intrarium* GUENÉE, Spec. Gén., ix, 246,
1857; *defectarium* GUENÉE, Spec. Gén., ix,
247, 1857; *moniarium* WALKER, Cat. Brit.
Mus., xxi, 345, 1860; *transficarium*
WALKER, Cat. Brit. Mus., xxi, 347, 1860;
albiginarium WALKER, Cat. Brit. Mus., xxi,
348, 1860; *ephyrarium* WALKER, Cat. Brit.
Mus., xxi, 349, 1860; *intractarium* WALKER,
Cat. Brit. Mus., xxi, 349, 1860; *erosiatum*
WALKER, Cat. Brit. Mus., xxvi, 1719, 1862;
illaudatum WALKER, Cat. Brit. Mus., xxi,
397, 1860; *ejectarium* WALKER, Cat. Brit.
Mus., xxii, 489, 1861; *expressarium* WALKER,
Cat. Brit. Mus., xxvi, 1657, 1862.
3839. **umbrosarium** HÜBNER, Samml. exot. Schmett., Atl.
i, 1806; PACKARD, C. 439. States.
- syn. *sporcellarium* GUENÉE, Spec. Gén., ix,
252, 1857; WALKER, Cat. Brit. Mus., xxi,
350, 1860; PACKARD, C. 455; HULST, Ent.
News, vi, 42, 105, 1895.
- a. **gnophosarium** GUENÉE, Spec. Gén., ix, 251,
1857; WALKER, Cat. Brit. Mus., xx, 350, 1860.

- *3840. **excelsarium** STRECKER, Lep. Rhop. Het., suppl. Wash.
2, 10, 1899.
- *3841. **albescens** HULST, Trans. Am. Ent. Soc., xxiii, Wash.
355, 1896.

MERICISCA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 356, 1896.

3842. **gracea** HULST, Trans. Am. Ent. Soc., xxiii, 356, Col.
1896.

CLEORA Curtis.

CURTIS, Brit. Ent., ii, 88, 1825; PACKARD, C. 450; MEYRICK, Trans. Ent. Soc. Lond.,
105, 1892; WARREN, Nov. Zool., i, 434, 1894; HULST, Trans. Am. Ent. Soc., xxiii,
356, 1896; *Boarmia* TREITSCHKE, Schmett. Eur., vi, 1, 87, 1827; DUPONCHEL, Hist.
Nat., vii, 4, 327, 1829; HERRICH-SCHAEFFER, Schnl. Eur., iii, 76, 1847; LEDERER,
Verh. zool.-bot. Ges. Wien, 177, 1853; MEYRICK, Trans. New Zeal. Ins., 99, 1883;
65, 1884; Trans. Ent. Soc. Lond., 211, 1886.

3843. **furfuraria** HULST, Ent. Amer., iii, 214, 1888. Col.
3844. **dataria** GROTE, Can. Ent., xiv, 173, 1882. Rocky Mts.
- *3845. **opacaria** HULST, Bull. Brook. Ent. Soc., iv, 27, Col.,
1881. N. Mex.
- *3846. **lixaria** GROTE, Trans. Kans. Acad. Sci., viii, 52, Rocky
1882. Mts.

3847. *cribrataria* GUENÉE, Spec. Gén., ix, 260, 1857; PACKARD, C. 424. Atl. States.
3848. *indicataria* WALKER, Cat. Brit. Mus., xxi, 346, 1860; HULST, Ent. News, vi, 41, 1895. Atl. States.
syn. *flaria* WALKER, Cat. Brit. Mus., xxi, 347, 1860; PACKARD, C. 456; *polygrammaria* PACKARD, C. 439.
- *3849. *rufaria* GROTE, Can. Ent., xv, 125, 1883. Ariz.
3850. *pampinaria* GUENÉE, Spec. Gén., ix, 245, 1857; PACKARD, C. 432; FRENCH, Pap., i, 82, 1881; HULST, Ent. News, vi, 41, 1895. Atl. States.
syn. *sublunaria* GUENÉE, Spec. Gén., ix, 248, 1857; PACKARD, C. 442; *frugallaria* GUENÉE, Spec. Gén., ix, 246, 1857; WALKER, Cat. Brit. Mus., xxi, 342, 1860; *collecta* WALKER, Cat. Brit. Mus., xxi, 397, 1860; *tinctaria* WALKER, Cat. Brit. Mus., xxi, 486, 1860; *fraudentaria* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 492, 1872; PACKARD, C. 432.
- *3851. *configurata* HULST, Can. Ent., xxx, 195, 1898. Col.
3852. *formosata* HULST, Trans. Am. Ent. Soc., xxiii, 357, 1896. Col., Cal.
3853. *correllatum* HULST, Trans. Am. Ent. Soc., xxiii, 355, 1896. Col., Cal., Oreg.
3854. *vellivolata* HULST, Bull. Brook. Ent. Soc., iv, 34, 1881; Ent. Amer., ii, 223, 1887. Fla., Tex.
3855. *larvaria* GUENÉE, Spec. Gén., ix, 247, 1857; PACKARD, C. 437; HULST, Ent. News, vi, 34, 1895. Miss., Oreg., Wash., Man.
syn. ? *convergaria* WALKER, Cat. Brit. Mus., xxi, 488, 1860 (type lost); *plumosaria* PACKARD, Sixth Rept. Peab. Acad. Sci., 51, 1874; C. 431.
3856. *subaustralis* HULST, Can. Ent., xxx, 194, 1898. Fla.
3857. *pedicellata* HULST, Can. Ent., xxx, 194, 1898. Fla.

MELANOLOPHIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 357, 1896.

3858. *canadaria* GUENÉE, Spec. Gén., ix, 263, 1857; PACKARD, C. 425; HULST, Ent. News, vi, 42, 1895. U. S.
syn. *signataria* WALKER, Cat. Brit. Mus., xxi, 350, 1860; *imperfectaria* WALKER, Cat. Brit. Mus., xxi, 407, 1860; *contribuaria* WALKER, Cat. Brit. Mus., xxi, 407, 1860.

ÆTHALOPTERA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 358, 1896.

3859. *intextata* WALKER, Cat. Brit. Mus., xxi, 398, 1860; HULST, Ent. News, vi, 42, 1895. Atl. States.
 syn. *anticaria* WALKER, Cat. Brit. Mus., xxi, 406, 1860; PACKARD, C. 423; HULST, Ent. News, vi, 42, 1895; *submurraria* WALKER, Cat. Brit. Mus., xxi, 406, 1860.

GLENA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 358, 1896.

- *3860. *cognataria* HÜBNER, Zutr. exot. Schmett., f. 549, 1825; PACKARD, C. 421; HULST, Ent. News, vi, 42, 1895. Atl. States.
 syn. *acidaliaria* WALKER, Cat. Brit. Mus., xxvi, 1684, 1862; *infixaria* WALKER, Cat. Brit. Mus., xxvi, 1685, 1862.

3861. *texanaria* HULST, Ent. Amer., iii, 46, 1888. Fla., Tex.
 syn. ?*minimaria* GUENÉE, Spec. Gén., ix, 279, 1857.

ECTROPIS Hübner.

HÜBNER, Verz. bek. Schmett., 316, 1818; MEYRICK, Trans. Ent. Soc. Lond., 104, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 358, 1896; *Tephrosia* GUENÉE, Ind. Gén., 198, 1840; PACKARD, C. 420.

3862. *crepuscularia* DENIS & SCHIFFERMÜLLER, Syst. U. S.,
 Verz. Wien, 101, 1776; PACKARD, C. 428; Eur.
 STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3903, 1901; GOODELL, Can. Ent., x, 67, 1878; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 300, 1884; DIMMOCK, Psyche, iv, 271, 1885; HULST, Ent. News, vi, 41, 72, 1895.

syn. *consonaria* HAWORTH, *defessaria* FREY, *occiduaria* GUENÉE, *signaria* WALKER, *spatiosaria* WALKER, *intrataria* WALKER, *cineraria* WALKER, Cat. Brit. Mus., xxi, 488, 1860; *fumataria* MINOT.

a. *abraxaria* WALKER, Cat. Brit. Mus., xxi, 403, 1860; HULST, Ent. News, vi, 72, 1895.

syn. *divisaria* WALKER, Cat. Brit. Mus., xxi, 489, 1860; PACKARD, C. 458; BOWLES, Can. Ent., xv, 166, 1883; *fernaldaria* HULST, Ent. Amer., iii, 215, 1888.

- *3863. *grisearia* GROTE, Can. Ent., xv, 124, 1883. Ariz.

EPIMECIS Hübner.

HÜBNER, Verz. bek. Schmett., 315, 1818; GROTE, Can. Ent., viii, 206, 1876; HULST, Trans. Am. Ent. Soc., xxiii, 359, 1896; *Bronchelia* GUENÉE, Spec. Gén., ix, 286, 1857; WALKER, Cat. Brit. Mus., xxi, 450, 1860.

3864. *virginaria* CRAMER, Pap. Exot., iii, pl. 275, f. Atl.
G, 1782; HULST, Ent. News, vi, 106, 1895. States.

syn. *hortaria* FABRICIUS, Syst. Ent., iii, (2),
138, 31, 1793; PACKARD, C. 443; HULST, Ent.
News, vi, 104, 1895; *viriodendraria* SMITH
& ABBOT, Lep. Ins. Ga., pl. 102, 1797;
disserptaria WALKER, Cat. Brit. Mus., xxi,
451, 1860; *amplaria* WALKER, Cat. Brit.
Mus., xxi, 405, 1860.

a. *dendraria* GUENÉE, Spec. Gén., ix, 289, 1857;
WALKER, Cat. Brit. Mus., xxi, 451, 1860.

syn. *gravilinearis* ANDREWS, Can. Ent., x, 108,
1878.

LYCIA Hübner.

HÜBNER, Verz. bek. Schmett., 319, 1818; HULST, Trans. Am. Ent. Soc., xxiii, 359,
1896; *Amphidasys* TREITSCHKE, Schm. Eur., vi, 1, 229, 1827; DUPONCHEL, Hist. Nat.,
vii, 4, 268, 1829; HERRICH-SCHAEFFER, Eur. Schmett., iii, 99, 1847; LEDERER, Verh.
zool.-bot. Ges. Wien, 218, 1853; KIRBY, Eur. Butt., 332, 1882; *Amphidasys* GUENÉE,
Spec. Gén., ix, 206, 1857; WALKER, Cat. Brit. Mus., xxi, 305, 1860; HOFMANN, Gr.
Schm. Eur., 179, 1894.

3865. *ursaria* WALKER, Can. Nat., v, 261, 1860; PACK- Atl.
ARD, C. 414; Bull. U. S. Ent. Comm., vii, 121, States.
1881; MÖSCHLER, Verh. zool.-bot. Ges. Wien,
300, 1884; BOWLES, Can. Ent., viii, 7, 1876.

3866. *virginaria* GROTE, Can. Ent., xii, 220, 1880; Col.
HULST, Ent. News, vi, 41, 1895.

3867. *cognataria* GUENÉE, Spec. Gén., ix, 208, 1857; Atl.
PACKARD, C. 413; BOWLES, Can. Ent., iii, 11, States.
1871; EDWARDS & ELLIOT, Pap., iii, 136, 1883;
GOODELL, Can. Ent., x, 67, 1878; PUTNAM-
CRAMER, Bull. Brook. Ent. Soc., vi, 48, 1885;
LINTNER, Ann. Rept. N. Y. Sta. Ent., 98, 1885;
SAUNDERS, Ins. Inj. Fru., 349, 1883; DIMMOCK,
Psyche, iv, 271, 1885; HULST, Ent. News, vi,
41, 1895.

syn. *sperataria* WALKER, Cat. Brit. Mus., xxi,
307, 1860.

PHÆOURA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 359, 1896.

3868. *mexicanaria* GROTE, Trans. Kans. Acad. Sci., Col.
viii, 51, 1882; HULST, Ent. News, vi, 41, 1895.

*3869. *crisifera* HULST, Trans. Am. Ent. Soc., xxiii, Col.
360, 1896.

NACOPHORA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 360, 1896.

- *3870. *minima* HULST, Trans. Am. Ent. Soc., xxiii, 360, 1896. Col.
- *3871. *ypsilon* FORBES, Rept. Ent. Ill., xiv, 95, 1885; LUGGER, Rept. Ent. Minn., 189, 1898. Atl. States
syn. *carolotta* HULST, Trans. Am. Ent. Soc., xxiii, 361, 1896.
- *3872. *phigaliaria* GUENÉE, Spec. Gén., ix, 225, 1857; PACKARD, C. 328; HULST, Ent. News, vi, 41, 1895. Atl. States.
syn. *pænulataria* GROTE, Proc. Ent. Soc. Phil., ii, 31, 1864; Can. Ent., viii, 153, 1876.
3873. *quernaria* SMITH & ABBOT, Lep. Ins. Ga., ii, 205, pl. 103, 1797; PACKARD, C. 411; EMMONS, Nat. Hist. N. Y. Agr., v, 245, 1854; HULST, Ent. Amer., iv, 50, 1888; Ent. News, vi, 41, 1895. Atl. States.
a. atrescens HULST, Can. Ent., xxx, 162, 1898.
- *3874. *cupidaria* GROTE, Proc. Ent. Soc. Phil., iii, 534, 1864; PACKARD, C. 412; HULST, Ent. Amer., iv, 50, 1888; Ent. News, vi, 41, 1895. Fla.

CERATONYX Guenée.

GUENÉE, Spec. Gén., ix, 193, 1857; WALKER, Cat. Brit. Mus., xxi, 296, 1860.

- *3875. *satanaria* GUENÉE, Spec. Gén., ix, 194, 1857; PACKARD, C. 565. Ga.

APOCHEIMA Hübner.

HÜBNER, Verz. bek. Schmett., 319, 1818; GUENÉE, Spec. Gén., ix, 203, 1857; MEYRICK, Trans. Ent. Soc. Lond., 121, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 361, 1896; *Apocheima* HERRICH-SCHAEFFER, Eur. Schmett., iii, 98, 1847; LEDERER, Verh. zool.-bot. Ges. Wien, 218, 1853; *Ithusia* HÜBNER, Verz. bek. Schmett., 319, 1818; *Nyssia* DUPONCHEL, Hist. Nat., vii, 283, 1829; GUENÉE, Spec. Gén., ix., 198, 1857.

3876. *rachelæ* HULST, Trans. Am. Ent. Soc., xxiii, 362, 1896. Col., Alaska.

CONIODES Hulst.

HULST, Trans. Am. Ent. Amer., xxiii, 353, 1896.

3877. *plumigeraria* HULST, Ent. Amer., iii, 216, 1888; COQUILLET, Bull. U. S. Dept. Agr., n. s., vii, 64, 1897; HULST, Can. Ent., xxx, 214, 1898. Col., Cal., Brit. Col.

JUBARELLA Hulst.

HULST, Can. Ent., xxx, 192, 1898.

- *3878.
- danbyi*
- HULST, Can. Ent., xxx, 192, 1898. Brit. Col.

PHIGALIA Duponchel.

DUPONCHEL, Hist. Nat., vii, 296, 1829; LEDERER, Verh. zool.-bot. Ges. Wien, 177, 1853; GUENÉE, Spec. Gén., ix, 195, 1857; PACKARD, C. 406; *Raphidodemas* HULST, Trans. Am. Ent. Soc., xxiii, 362, 1896.

- *3879.
- nevadaria*
- HULST, Trans. Am. Ent. Soc., xxiii, 362, 1896. Nev., Col.

- 3880.
- olivacearia*
- MORRISON, Proc. Bost. Soc. Nat. Hist., xvi, 200, 1874; HULST, Ent. Amer., iv, 51, 1888. Atl. States.

- 3881.
- titea*
- CRAMER, Pap. Exot., iii, 275, f. C, 1782; PACKARD, C. 442; HULST, Ent. News, vi, 41, 1896. Atl. States.

syn. titearia GUENÉE, Spec. Gén., ix, 248, 1857; WALKER, Cat. Brit. Mus., xxi, 345, 1860; *revocata* WALKER, Cat. Brit. Mus., xxvi, 1527, 1862; *strigataria* MINOT, Proc. Bost. Soc. Nat. Hist., xiii, 84, 1869; PACKARD, C. 407; BRUCE, Pap., ii, 81, 1882; FRENCH, Trans. Dept. Agr. Ill., xv, 241, 1877; ? *cinctaria* FRENCH, Can. Ent., x, 157, 1878; HULST, Ent. Amer., iv, 51, 1888.

- *3882.
- denticulata*
- HULST, Jn. N. Y. Ent. Soc., viii, 219, 1901.

ERANNIS Hübner.

HÜBNER, Verz. bek. Schmett., 320, 1818; MEYRICK, Trans. Ent. Soc. Lond., 81, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 363, 1896; *Agriopsis* HÜBNER, Verz. bek. Schmett., 320, 1818; *Hybernia* LATREILLE, Fam. Nat., 477, 1825; PACKARD, C. 408; MEYRICK, Trans. Ent. Soc. Lond., 120, 1892; *Hibernia* DUPONCHEL, Hist. Nat., vii, 4, 301, 1829; HERRICH-SCHAEFFER, Eur. Schmett., iii, 58, 1847; LEDERER, Verh. zool.-bot. Ges. Wien, 213, 1853; HOFMANN, Gr. Schm. Eur., 176, 1894.

- 3883.
- defoliaria*
- CLERCK, Icones, 7, 4, 1764; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3802, 1901. Eur., B. C.

a. vancouverensis HULST, Trans. Am. Ent. Soc., xxiii, 363, 1896.

- 3884.
- tiliaria*
- HARRIS, Inj. Ins. Mass., 341, 1841; PACKARD, C. 409; SAUNDERS, Can. Ent., xiv, 282, 1882; Ins. Inj. Fruits, 111, 1883; FITCH, Third Rept. Ins. N. Y., 343, 1856; JAEGER, N. Am. Ins., 175, 1871; COQUILLET, Rept. Ent. Ill., x, 149, 1880; xi, 25, 1881. Atl. States, Rocky Mts.

- *3885. *coloradata* HULST, Trans. Am. Ent. Soc., xxiii, 363, 1896. Col.

CINGILIA Walker.

WALKER, Trans. Ent. Soc. Lond., (3), i, 76, 1862; DYAR, Can. Ent., xxvi, 69, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 364, 1896; *Cuterva* GROTE, Can. Ent., viii, 205, 1876; *Vestigifera* v. GUMPPENBERG, Nov. Act. Halle, lii, 369, 1888.

3886. *catenaria* DRURY, Ill. Exot. Ent., i, 17, 1770; ATL. STATES, COL. CRAMER, Pap. Exot., iii, 61, pl. 228, f. E, 1782; EMMONS, Nat. Hist. N. Y. Agr., v, 249, 1854; PACKARD, C. 217; COMSTOCK, Rept. Dept. Agr., 274, 1880; COQUILLETT, Pap., i, 56, 1881; HARRIS, Ins. Inj. Mass., 459, 1852; DYAR, Psyche, ix, 250, 1901.
- syn. *humeralis* WALKER, Trans. Ent. Soc. Lond., (3), i, 76, 1862; ? *devinctaria* GUENÉE, Spec. Gén., x, 222, 1857; WALKER, Cat. Brit. Mus., xxiv, 1137, 1862.

EUCATERVA Grote.

GROTE, Pap., ii, 80, 1882; HULST, Trans. Am. Ent. Soc., xxiii, 364, 1876.

3887. *vararia* GROTE, Pap., ii, 80, 1882; CAN. ENT., ARIZ. xiv, 109, 1882; HAY, Bull. Geol. Surv., vi, 564, 1882; DYAR, Ent. News, v, 63, 1894.
- a. sablesaria* GROTE, Pap., ii, 143, 1882.

PHILTRÆA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 364, 1896.

3888. *elegantaria* HY. EDWARDS, Pap., i, 121, 1881. TENN., LA., TEX., ARIZ., CAL.

ACANTHOPHORA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 365, 1896.

- *3889. *graefi* HULST, Trans. Am. Ent. Soc., xxiii, 365, 1896. TEX.

TRACHEOPS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 365, 1896.

- *3890. *bolteri* HULST, Trans. Am. Ent. Soc., xxiii, 366, 1896. N. MEX.

DYSCIA Hübner.

HÜBNER, Verz. bek. Schmett., 314, 1818; HULST, Trans. Am. Ent. Soc., xxiii, 366, 1896; *Pseudothrix* HÜBNER, Verz. bek. Schmett., 319, 1818, *Scodiona* BOISDUVAL, Ind. Méth., 185, 1840; LEDERER, Verh. zool.-bot. Ges. Wien, 235, 1853; GUENÉE, Spec. Gén., x, 139, 1857; WALKER, Cat. Brit. Mus., xxiv, 1021, 1862; *Napuca* WALKER, Cat. Brit. Mus., xxvi, 1693, 1862; *Pseudosiona* BUTLER, Ann. Mag. Nat. Hist., (6), xii, 18, 1893.

3891. *orciferata* WALKER, Cat. Brit. Mus., xxvi, 1693, 1862; PACKARD, C., pl. 13, f. 57; HULST, Ent. Amer., ii, 223, 1887; Ent. News, vi, 14, 1895. No. U. S.
- a. labradoriata* MÖSCHLER, Stett. ent. Zeit., 118, 1883; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3786, 1901.
- syn. *aberrata* HY. EDWARDS, Pap., iv, 47, 1887;
tuylori BUTLER, Ann. Mag. Nat. Hist., (6), xii, 18, 1893.

LYCHNOSEA Grote.

GROTE, Trans. Kans. Acad. Sci., viii, 52, 1882; HULST, Trans. Am. Ent. Soc., xxiii, 367, 1896.

3892. *helviolaria* HULST, Bull. Brook. Ent. Soc., iv, 33, 1881; Ent. Amer., ii, 50, 1882. Col., N. Mex., Ariz.
- syn. *aulularia* GROTE, Trans. Kans. Acad. Sci., viii, 52, 1882.
3893. *intermicata* WALKER, Cat. Brit. Mus., xxiv, 1076, 1862; HULST, Ent. News, vi, 42, 105, 1895. So. Atl. States.
- syn. *pervaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 62, 1873; C. 206.
- a. interminaria* GROTE, Can. Ent., ix, 90, 1877.
- *3894. *runcinaria* STRECKER, Lep. Rhop. Het., suppl. 2, 7, 1899. Col.

STERGAMMATÆA Hulst.

HULST, Trans. Am. Ent. Soc., xxxiii, 368, 1896.

- *3895. *inornata* HULST, Trans. Am. Ent. Soc., xxxiii, 368, 1896. Col.

MELEMÆA Hulst.

HULST, Trans. Am. Ent. Soc., xxxiii, 368, 1896.

- *3896. *magdalena* HULST, Trans. Am. Ent. Soc., xxxiii, 368, 1896. Col.
- *3897. *morsicaria* HULST, Ent. Amer., i, 203, 1896. Tex.

ANAGOGA Hübner.

HÜBNER, Verz. bek. Schmett., 294, 1818; PACKARD, C. 486; HULST, Trans. Am. Ent. Soc., xxiij 369, 1896; *Azinophora* STEPHENS, Cat. 126, 1829; *Numeria* DUPONCHEL, Hist. Nat., tii, 4, 107, 1829; WESTWOOD & HUMPHREYS, Brit. Moths, ii, 24, 1849; HOFMANN, Gr. Schm. Eur., 170, 1892.

3898. *pulveraria* LINNÆUS, Syst. Nat., 521, 1758; Eur.,
 GUENÉE, Spec. Gén., x, 137, 1857; STAUDINGER No.
 & REBEL, Cat. Lep. Eur., i, no. 3715, 1901. U. S.
- a. occiduaria* WALKER, Cat. Brit. Mus., xxiii, 1016,
 1861; PACKARD, C. 487; HULST, Ent. Amer.,
 ii, 51, 1886; Ent. News, vi, 12, 1895.
- syn. *plagifasciata* WALKER, Cat. Brit. Mus.,
 xxvi, 1508, 1862; PACKARD, C. 487.

NEOTERPES Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 369, 1896.

3899. *ephelidaria* HULST, Ent. Amer., ii, 120, 1886. Rocky Mts.
a. kunzei HULST, Can. Ent., xxx, 215, 1898.
- *3900. *snoviaria* HULST, Ent. Amer., iii, 213, 1887. Rocky Mts.
3901. *edwardsata* PACKARD, Proc. Bost. Soc. Nat. Hist., Cal., Ariz.,
 xiii, 383, 1871; C. 478; STRECKER, Surv. Dept. Alaska.
 Mo., Ruffner, app. SS, 1863, 1878.

SICYA Guenée.

GUENÉE, Spec. Gén., ix, 104, 1857; PACKARD, C. 479; HULST, Trans. Am. Ent. Soc.,
 xxiii, 370, 1896.

3902. *macularia* HARRIS, Lake Superior. Agassiz, 392, U. S.
 1850; PACKARD, C. 480; HULST, Ent. News, vi,
 14, 1895.
- syn. *solfataria* GUENÉE, Spec. Gén., ix, 104,
 1857; WALKER, Cat. Brit. Mus., xx, 134,
 1860; *sublimaria* GUENÉE, Spec. Gén., ix,
 105, 1857; *calipusaria* WALKER, Cat. Brit.
 Mus., xx, 120, 1860.
- a. truncataria* GUENÉE, Spec. Gén., ix, 104, 1857.
 syn. *argyllaria* WALKER, Cat. Brit. Mus., xx,
 121, 1860; *crocearia* PACKARD, Proc. Bost.
 Soc. Nat. Hist., xvi, 36, 1874.
- b. faustinaris* STRECKER, Lep. Rhop. Het., suppl.
 2, 7, 1899.

THERINA Hübner.

HÜBNER, Verz. bek. Schmett., 283, 1818; PACKARD, C. 492; HULST, Trans. Am. Ent. Soc., xxiii, 370, 1896; *Hylca* HÜBNER (not *a*), Tentamen, 1810; *Ellopiæ* TREITSCHKE, Schmett. Eur., vi, 1, 89, 1827; PACKARD, C. 492.

3903. *vittraria* GROTE, Trans. Kans. Acad. Sci., viii, 51, 1882. Rocky Mts.
- *3904. *punctata* HULST, Can. Ent., xxx, 215, 1899. Col.
- *3905. *fatuaria* STRECKER, Lep. Rhop. Het., suppl. 2, 8, 1899. Can.
- *3906. *læta* HULST, Can. Ent., xxxii, 107, 1900. N. Mex.
3907. *pellucidaria* GROTE & ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii, 25, 1867; PACKARD, C. 495; GROTE, Can. Ent., xiv, 108, 1882; HULST, Ent. Amer., ii, 51, 1886; Ent. News, vi, 14, 1895; DYAR, Psyche, ix, 21, 1900. Atl. States.
3908. *endropiaria* GROTE & ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii, 26, 1867; PACKARD, C. 495; GOODELL, Can. Ent., xi, 194, 1879; GROTE, Can. Ent., xiv, 109, 1882; HULST, Ent. Amer., ii, 51, 1886; DYAR, Psyche, viii, 407, 1899. Atl. States.
3909. *athasiaria* WALKER, Cat. Brit. Mus., xx, 163, 1860; HULST, Ent. News, vi, 14, 1895; DYAR, Psyche, ix, 10, 1900. Atl. States.
 syn. *siccaria* WALKER, Cat. Brit. Mus., xxvi, 1547, 1866; *seminudata* WALKER, Cat. Brit. Mus., xxvi, 1508, 1862; *seminudaria* PACKARD, C. 495; *bibularia* GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 24, 1867.
3910. *fiscellaria* GUENÉE, Spec. Gén., ix, 133, 1857; WALKER, Cat. Brit. Mus., xx, 161, 1860; HULST, Ent. Amer., ii, 50, 1886; Ent. News, vi, 14, 1895. Atl. States, Col.
 syn. *flagitiaria* GUENÉE, Spec. Gén., ix, 133, 1857; *panisaria* WALKER, Cat. Brit. Mus., xx, 163, 1860; *æqualiaria* WALKER, Cat. Brit. Mus., xx, 164, 1860.
3911. *fervidaria* HÜBNER, Zutr. exot. Schmett., f. 409, 1818; PACKARD, C. 493; HULST, Ent. Amer., ii, 50, 1886; Ent. News, vi, 14, 1895. Atl. States.
 syn. *pultaria* GUENÉE, Spec. Gén., ix, 131, 1857; PACKARD, C. 496; *sciata* WALKER, Cat. Brit. Mus., xxvi, 1510, 1862; *invecata* WALKER, Cat. Brit. Mus., xxvi, 1512, 1862.
a. somnaria HULST, Ent. Amer., i, 308, 1886; FLETCHER, Rept. Exp. Farms Can., 176, 1891; RILEY, Ins. Life, iii, 360, 1891.

a Preoccupied, according to Hulst's manuscript, but I can not find by what.

3912. *lugubrosa* HULST, Can. Ent., xxxii, 106, 1900. B. C.
 *3912. 1. *cavillaria* HULST, Ent. Amer., i, 203, 1886. Ariz.

METROCAMPA Latreille.

LATREILLE, Cons. Gen., 366, 1810; Fam. Nat., 477, 1825; PACKARD, C. 490; MEYRICK, Trans. Ent. Soc. Lond., 111, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 370, 1896; *Campva* LAMARCK, Hist. Nat., iii, 568, 1817.

3913. *prægrandaria* GUENÉE, Spec. Gén., ix, 128, 1857; No.
 WALKER, Cat. Brit. Mus., xx, 157, 1860; HULST, U. S.
 Ent. News, vi, 104, 1895.

syn. *perlata* GUENÉE, Spec. Gén., ix, 128, 1857; STRECKER, Surv. Dept. Mo., Ruffner, app. SS, 1863, 1878; BUTLER, Pap., ii, 21, 1881; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 298, 1884; *perlaria* PACKARD, C. 491; *viridoperlata* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 38, 1874.

SLOSSONIA Hulst.

HULST, Can. Ent., xxx, 216, 1898.

3914. *rubrotincta* HULST, Can. Ent., xxx, 217, 1898. Cal.
 3915. *latipennis* HULST, Can. Ent., xxx, 217, 1898. Fla.

EUGONOBAPTA Warren.

WARREN, Nov. Zool., i, 405, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 371, 1896.

3916. *nivosaria* GUENÉE, Spec. Gén., ix, 499, 1857. Atl. States.
 syn. *nivosata* PACKARD, C. 338; HULST, Ent. News, v, 304, 1894.
 *3917. *constans* HULST, Can. Ent., xxx, 216, 1898. Ariz.
 *3918. *ochreatea* HULST, Can. Ent., xxx, 216, 1898. Ariz.
 *3919. *brunneolineata* HULST, Jn. N. Y. Ent. Soc., viii, Fla.
 218, 1901.

RIPULA Guenée.

GUENÉE, Spec. Gén., ix, 34, 1857; HULST, Trans. Am. Ent. Soc., xxiii, 371, 1896.

3920. *vestalis* HULST, Can. Ent., xxx, 215, 1898. Fla.
 *3921. *virginaria* HULST, Ent. Amer., i, 202, 1886. Fla.

ENNOMOS Treitschke.

TREITSCHKE, Schm. Eur., vi, 1, 3, 1827; DUPONCHEL, Hist. Nat., vii, 4, 126, 1829; BOISDUVAL, Ind. Gén., 182, 1840; DUPONCHEL, Cat., 218, 1844; WESTWOOD & HUMPHREYS, Brit. Moths, 2, 81, 1849; GUENÉE, Spec. Gén., ix, 173, 1857; WALKER, Cat. Brit. Mus., xx, 204, 1860; HOFMANN, Gr. Schm. Eur., 171, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 371, 1896; *Eugonia* HÜBNER (not *a*), Verz. bek. Schmett., 291, 1818; PACKARD, C. 527; KIRBY, Eur. Butt., 298, 1882; *Odoptera* SODOFFSKY, Bull. Imp. Soc. Mosc., 125, 1837; STEPHENS, Cat. Brit. Ins., 165, 1850.

3922. *subsignarius* HÜBNER, Samml. exot. Schmett., Atl.
ii, 1806; GRAEF, Rept. Brook. Hort. Soc., —, States,
1862; PACKARD, C. 528; Am. Nat., ii, 333, 1868; Col.
Bull. U. S. Ent. Comm., vii, 62, 1881; GROTE,
Bull. Geol. Surv. Terr., Hayden, vi, 588, 1882;
DODGE, Can. Ent., xiv, 30, 1882; FRENCH, Trans.
Dept. Agr. Ill., xv, 243, 1877; SAUNDERS, Ins.
Inj. Fruits, 111, 1883; WALSH, Pract. Ent., i,
57, 1866.

syn. *niveosericeata* JONES, Proc. Ent. Soc.
Phil., i, 31, 1861.

3923. *magnarius* GUENÉE, Spec. Gén., ix, 174, 1857; No.
WALKER, Cat. Brit. Mus., xx, 205, 1860; HULST, U. S.
Ent. Amer., ii, 49, 1884; iv, 49, 1886; DIMMOCK,
Psyche, iv, 272, 1885; SNELLEN, Neder. Ent.
Ver., xxix, 137, 1874.

syn. *alniaria* PACKARD (not LINNÆUS), C. 529;
Bull. U. S. Ent. Comm., vii, 92, 1881;
autumnaria MÖSCHLER (not WERNEBURG),
Verh. zool.-bot. Ges. Wien, 299, 1884;
lutaria WALKER, Cat. Brit. Mus., xxxv,
1552, 1866; PACKARD, C. 531.

*3924. *ochreateus* HULST, Can. Ent., xxx, 218, 1898. Col.

XANTHOTYPE Warren.

WARREN, Nov. Zool., i, 463, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 372, 1896.

3925. *crocataria* FABRICIUS, Ent. Syst., suppl., 146, Atl.
1794; PACKARD, C. 474; Rept. Geol. Surv. Terr., States.
v, 554, 1873; SAUNDERS, Rept. Ent. Soc. Ont., ii,
87, 1870; Ins. Inj. Fruits, 348, 1883; FRENCH,
Trans. Dept. Agr. Ill., xv, 243, 1877; FORBES,
Trans. Dept. Agr. Ill., xxi, 80, 1883; DYAR,
Ent. News, v, 62, 1894; v. GUMPPENBERG, Nov.
Act. Halle, xlix, 396, 1887; DYAR, Psyche, ix,
226, 1901.

syn. *citrina* HÜBNER, Zutr. exot. Schmett.,
f. 499, 1825.

a. cælaria HULST, Ent. Amer., i, 208, 1886.

PLAGODIS Hübner.

HÜBNER, Verz. bek. Schmett., 294, 1818; PACKARD, C. 465; HULST, Trans. Am. Ent.
Soc., xxiii, 372, 1896; *Eurymene* DUPONCHEL, Hist. Nat., vii, 185, 1829; KIRBY,
Eur. Butt., 302, 1882; HOFMANN, Gr. Schm. Eur., 173, 1894.

*3926. *kempii* HULST, Jn. N. Y. Ent. Soc., viii, 220, 1901.

^a Preoccupied, according to Hulst's manuscript.

3927. *serinaria* HERRICH-SCHAEFFER, Ausser. Schmett., f. 365, 1855; PACKARD, C. 469; HULST, Ent. Amer., ii, 52, 1886; Ent. News, vi, 14, 1895.
 syn. *subprivata* WALKER, Cat. Brit. Mus., xxvi, 1509, 1862; *floscularia* GROTE, Pap., i, 40, 1881; Can. Ent., xiv, 109, 1889; Pap., ii, 83, 1882.
a. rosaria GROTE, Bull. Buff. Soc., iii, 131, 1876.
3928. *keutzingi* GROTE, Can. Ent., viii, 112, 1876; viii, 154, 1876.
 syn. *keutzingaria* PACKARD, C. 468.
a. nigrescens HULST, Ent. Amer., ii, 212, 1887; PACKARD, C. pl. 13, f. 54.
3929. *fervidaria* HERRICH-SCHAEFFER, Ausser. Schmett., f. 203, 1855; PACKARD, C. 467; Rept. U. S. Ent. Comm., 328, 1886; HULST, Ent. News, vi, 104, 1895.
 syn. *excursaria* MORRISON, Bull. Buff. Soc., i, 189, 1873.
3930. *alcoolaria* GUENÉE, Spec. Gén., ix, 146, 1857; PACKARD, C. 469. No. Atl. States.
3931. *phlogosaria* GUENÉE, Spec. Gén., ix, 146, 1857; PACKARD, C. 466. No. Atl. States.
3932. *emargataria* GUENÉE, Spec. Gén., ix, 145, 1857; HULST, Ent. News, vi, 104, 1896. No. Atl. States.
 syn. *arrogaria* HULST, Ent. Amer., i, 208, 1886.
3933. *approximaria* DYAR, Can. Ent., xxxi, 266, 1899. No. Pac. States.

HYPERITIS Guenée.

GUENÉE, Spec. Gén., ix, 117, 1857; PACKARD, C. 460; HULST, Trans. Am. Ent. Soc., xxiii, 373, 1896; *Probole* HERRICH-SCHAEFFER (not WESMAEL), Ausser. Schmett., 83, 1855.

3934. *amicaria* HERRICH-SCHAEFFER, Ausser. Schm., f. 361, 1855; HULST, Ent. Amer., ii, 52, 1886; iii, 114, 1887; Ent. News, vi, 40, 1895; DYAR, Ent. News, v, 62, 1894. Atl. States.
 syn. *nyssaria* GUENÉE, Spec. Gén., ix, 118, 1857; PACKARD, C. 461; *essimaria* GUENÉE, Spec. Gén., ix, 118, 1857; *persinuarina* GUENÉE, *insinuarina* GUENÉE, *subsinuarina* GUENÉE, *laticincta* WALKER, Cat. Brit. Mus., xxi, 295, 1860; *neoninaria* WALKER, Cat. Brit. Mus., xx, 186, 1860; *neonaria* PACKARD, C. 461; *ætionaria* WALKER, Cat. Brit. Mus., xx, 183, 1860.
a. alienaria HERRICH-SCHAEFFER, Ausser. Schm., f. 364, 1855; PACKARD, C. pl. 11, f. 38.
b. nepiasaria WALKER, Cat. Brit. Mus., xx, 146, 1860; PACKARD, C. pl. 13, f. 42.

- *3935. *mollicularia* ZELLER, Verh. zool.-bot. Ges. Wien, xxxviii, 481, 1872; PACKARD, C. 485. Tex.
3936. *trianguliferata* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 384, 1871; C. 549; FRENCH, Can. Ent., xviii, 105, 1886. Pac. States, Col.
3937. *notataria* HULST, Ent. Amer., i, 203, 1886. Col., Cal., Alberta.
- *3938. *indiscretata* HY. EDWARDS, Pap., iv, 48, 1884. N. Mex.

ANIA Stephens.

STEPHENS, Ill., iii, 321, 1831; WESTWOOD & HUMPHREYS, Brit. Moths, ii, 80, 1849; HULST, Trans. Am. Ent. Soc., xxiii, 373, 1896; *Microgonia* HERRICH-SCHAEFFER, Ausser. Schmett., 28, 1855; *Nematocampa* GUENÉE, Spec. Gén., ix, 120, 1857; PACKARD, C. 471.

3939. *limbata* HAWORTH, Lep. Brit., 346, 1829; HULST, Ent. Amer., ii, 52, 1886. Atl. States.
- syn. *vestitaria* HERRICH-SCHAEFFER, Ausser. Schmett., f. 368, 1855; *resistaria* HERRICH-SCHAEFFER, Ausser. Schmett., 41, 1855; GUENÉE, Spec. Gén., ix, 121, 1857; WALKER, Cat. Brit. Mus., xx, 147, 1860; *filimentaria* GUENÉE, Spec. Gén., ix, 120, 1857; PACKARD, C. 471; FRENCH, Trans. Dept. Agr. Ill., xv, 242, 1877; COQUILLET, Trans. Dept. Agr. Ill., xviii, 148, 1880.
- a. expunctaria* GROTE, Can. Ent., iv, 101, 1872; xiv, 110, 1882.

GONODONTIS Hübner.

HÜBNER, Verz. bek. Schmett., 287, 1818; MEYRICK, Trans. Ent. Soc. Lond., 115, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 373, 1896; *Epiranthis* HÜBNER, Verz. bek. Schmett., 296, 1818; PACKARD, C. 498; *Odontoptera* STEPHENS, Ill., iii, 162, 1831; GUENÉE, Spec. Gén., ix, 164, 1857; LEDERER, Verh. zool.-bot. Ges. Wien, 204, 1853; WESTWOOD & HUMPHREYS, Brit. Moths, ii, 11, 1849; KIRBY, Eur. Butt., 298, 1882; *Metarranthis* WARREN, Nov. Zool., i, 436, 1894.

- *3940. *hilumaria* HULST, Ent. Amer., i, 206, 1886. Rocky Mts.
3941. *hypochraria* HERRICH-SCHAEFFER, Ausser. Schmett., f. 207, 1855; PACKARD, C. 504; HULST, Ent. News, vi, 15, 1896; BUTLER, Ann. Mag. Nat. Hist., (5), viii, 30, 1881; DYAR, Ent. News, v, 61, 1894; PSYCHE, viii, 415, 1899. Atl. States.
- syn. *refractaria* GUENÉE, Spec. Gén., ix, 125, 1857; WALKER, Cat. Brit. Mus., xx, 151, 1860; *mestusata* WALKER, Cat. Brit. Mus., xx, 154, 1860.
- a. lateritiaria* GUENÉE, Spec. Gén., ix, 125, 1857; WALKER, Cat. Brit. Mus., xx, 151, 1860.
- syn. *fedaria* WALKER, Cat. Brit. Mus., xxxv, 1548, 1866; PACKARD, C. 523; *indeclinata* WALKER, Cat. Brit. Mus., xxiii, 888, 1861.
- b. homuraria* GROTE, Trans. Am. Ent. Soc., ii, 80, 1875; Pap., ii, 100, 1882; Can. Ent., ix, 89, 1877.

3943. **warneri** HARVEY, Bull. Buff. Soc., ii, 121, 1874; GROTE, Cat. Ent., xiv, 106, 1881; HULST, Ent. News, vi, 40, 1895; Ent. Amer., ii, 50, 1886; Ent. News, vi, 15, 1895.
 syn. *apiciaria* PACKARD, C. 502.
3944. **duaria** GUENÉE, Spec. Gén., ix, 135, 1857; PACKARD, C. 502; HULST, Ent. News, vi, 15, 1895; DYAR, Psyche, ix, 371, 1902.
 syn. *hamaria* GUENÉE, Spec. Gén., ix, 136, 1857; *agreasaria* WALKER, Cat. Brit. Mus., xx, 252, 1860; PACKARD, C. 537; *adustaria* WALKER, Cat. Brit. Mus., xxxv, 1545, 1866.
a. pilosaria PACKARD, C. 501, 1876.
- *3945. **barnesii** HULST, Trans. Am. Ent. Soc., xxiii, 374, 1896. Col.
3946. **formosa** HULST, Trans. Am. Ent. Soc., xxiii, 375, 1896. Col., Cal., Nev.
3947. **obfirmaria** HÜBNER, Samml. exot. Schmett., ii, 1806; PACKARD, C. 499. Atl. States.
3948. **distycharia** GUENÉE, Spec. Gén., ix, 83, 1857; WALKER, Cat. Brit. Mus., xx, 104, 1860; HULST, Ent. News, vi, 13, 1895.
 syn. *cayennaria* PACKARD (not Guenée), C. 533.
- *3949. **antidiscaria** WALKER, Cat. Brit. Mus., xxvi, 1513, 1862; PACKARD, C. pl. 13, f. 54; HULST, Ent. Amer., iii, 113, 1887; Ent. News, vi, 14, 1895.
 syn. *lentaria* HULST, Ent. Amer., i, 257, 1886.

EUCHLÆNA Hübner.

HÜBNER, Verz. bek. Schmett., 293, 1818; MEYRICK, Trans. Ent. Soc. Lond., 112, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 275, 1896; *Endropia* GUENÉE, Spec. Gén., ix, 122, 1857; PACKARD, C. 499.

- *3950. **geniculata** HULST, Ent. Amer., i, 204, 1886. Col.
- *3951. **argillaria** HULST, Ent. Amer., i, 204, 1886. Ariz., Cal.
- *3952. **galbanaria** HULST, Ent. Amer., i, 204, 1886. Ariz.
- *3953. **manubriaria** HULST, Ent. Amer., i, 207, 1886. Col.
3954. **serrata** DRURY, Ill. Exot. Ent., ii, pl. 20, f. 4, 1770; EMMONS, Nat. Hist. N. Y. Agr., v, pl. 40, f. 6, 1854; GROTE, Can. Ent., viii, 152, 1876; HULST, Ent. News, vi, 105, 1895; DYAR, Psyche, ix, 130, 1900.
 syn. *serrataria* PACKARD, C. 517; *concisaria* WALKER, Cat. Brit. Mus., xxvi, 1551, 1862; PACKARD, C. 530.

3956. *obtusaria* HÜBNER, Schm. Eur., f. 390, 1835?; Atl.
PACKARD, C. 516; HULST, Ent. News, vi, 40, 1895. States.
- syn. *propriaria* WALKER, Cat. Brit. Mus., xx,
249, 1860; *decisaria* WALKER, Cat. Brit.
Mus., xx, 47, 1860.
- a. tigrinaria* GUENÉE, Spec. Gén., ix, 123, 157;
WALKER, Cat. Brit. Mus., xx, 149, 1860.
3957. *effectaria* WALKER, Can. Nat., v, 260, 1860; Cat. Atl.
Brit. Mus., xxvi, 1504, 1862; PACKARD, C. 514; States.
BUTLER, Pap., i, 220, 1881; HULST, Ent. News,
vi, 40, 1895.
- a. muzaria* WALKER, Cat. Brit. Mus., xx, 154,
1860; PACKARD, C. 516.
- *3958. *occantaria* HULST, Ent. Amer., i, 207, 1886. Nev., Wash.
- *3959. *amethystaria* STRECKER, Lep. Rhop. Het., suppl. Fla.
2, 6, 1899.
3960. *johnsonaria* FITCH, Trans. N. Y. Agr. Soc., xiii, Atl.
530, 1853; HULST, Ent. News, vi, 106, 1895. States.
- syn. *bilinearis* PACKARD, New and Little
Known Ins., 13, 1870; C. 511; EMMONS, Nat.
Hist. N. Y. Agr., v, 249, 1854; FRENCH,
Trans. Dept. Agr. Ill., xv, 243, 1877; BRUCE,
Ent. Amer., iii, 47, 1887.
- a. mollisaria* HULST, Ent. Amer., i, 206, 1886.
- b. minoraria* HULST, Ent. Amer., i, 206, 1886.
3961. *amœnaria* GUENÉE, Spec. Gén., ix, 124, 1857; Atl.
PACKARD, C. 509; GROTE, Can. Ent., xiv, 108, States.
1882; HULST, Ent. Amer., ii, 50, 1886.
- syn. *deplanaria* WALKER, Cat. Brit. Mus., xxvj,
1510, 1862; PACKARD, C. 498; *arefactaria*
GROTE & ROBINSON, Ann. N. Y. Lyc. Nat.
Hist., viii, 13, 1867.
- *3962. *vinulentaria* GROTE & ROBINSON, Ann. N. Y. Lyc. Atl.
Nat. Hist., viii, 15, 1867; PACKARD, C. 506; HULST, States.
Ent. News, vi, 40, 1895.
3963. *astylusaria* WALKER, Cat. Brit. Mus., xx, 152, Atl.
1860; HULST, Ent. News, vi, 40, 1895. States.
- syn. *madusaria* WALKER, Cat. Brit. Mus., xx,
153, 1860; PACKARD, C. 508; BUTLER, Pap.,
i, 220, 1881; GROTE & ROBINSON, Trans.
Am. Ent. Soc., ii, 81, 1868; Can. Ent., xiv,
108, 1882; *oponearia* WALKER, Cat. Brit.
Mus., xx, 153, 1860; *vinosaria* GROTE &
ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii,
17, 1867.
- a. tiviaria* WALKER, Cat. Brit. Mus., xx, 250, 1860,

3964. *marginata* MINOT, Proc. Bost. Soc. Nat. Hist.,
xi, 169, 1869; PACKARD, C. 505. Atl.
States.
3965. *pectinaria* DENIS & SCHIFFERMÜLLER, Syst. Verz.
Wien., 103, 6, 1776; PACKARD, C. 513; DYAR,
Psyche, ix, 344, 1902 (*pæctinaria*). Atl.
States.
syn. *deductaria* WALKER, Cat. Brit. Mus., xx,
151, 1860.
- *3966. *sirenaria* STRECKER, Lep. Rhop. Het., suppl. 2, 7,
1899. Atl.
States.
3967. *sesquilinearia* GROTE, Can. Ent., xv, 125, 1883. Ariz.
3968. *falcata* PACKARD, Proc. Bost. Soc. Nat. Hist.,
xvi, 39, 1874; C. 557; BUTLER, Pap., i, 220, 1881. Cal.
- *3969. *abnormalis* HULST, Jn. N. Y. Ent. Soc., viii, 220,
1901. Man.

EUTRAPELA Hübner.

HÜBNER, Tentamen, 1810; *Selenia* HÜBNER, Verz. bek. Schmett., 292, 1818; PACKARD,
C. 524; MEYRICK, Trans. Ent. Soc. Lond., 113, 1892; HOFMANN, Gr. Schm. Eur.,
171, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 376, 1896; KIRBY, Eur. Butt., 300,
1882.

3970. *alciphearia* WALKER, Cat. Brit. Mus., xx, 184,
1860; HULST, Ent. Amer., iii, 113, 1887; DYAR,
Psyche, viii, 395, 1899. No.
U. S.
3971. *kentaria* GROTE, Trans. Am. Ent. Soc., i, 359,
1865; iv, 1, 1867; Pap., ii, 100, 1882; HULST,
Ent. Amer., ii, 162, 1886; iii, 113, 1887; BRUCE,
Ent. Amer., iii, 47, 1887; Pap., ii, 81, 1882. Atl.
States.
- *3972. *perangulata* HULST, Trans. Am. Ent. Soc., xxiii,
376, 1896. Col.

EPIPLATYMETRA Grote.

GROTE, Can. Ent., v, 145, 1873; viii, 153, 1876; HULST, Trans. Am. Ent. Soc., xxiii,
376, 1896.

3973. *coloradaria* GROTE & ROBINSON, Ann. Lye. Nat.
Hist. N. Y., viii, 12, 1867; Can. Ent., xiv, 107,
1882; PACKARD, C. 550; STRECKER, Surv. Dept.
Mo., Ruffner, App. SS, 1863, 1878. Col.
- *3974. *grotearia* PACKARD, C. 553, 1876; GROTE, Can.
Ent., xv, 125, 1883. Rocky
Mts.
syn. *vidularia* GROTE, Can. Ent., xiv, 173,
1882; xv, 25, 1883; HULST, Ent. Amer., ii,
49, 1886.

SYNAXIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 377, 1896.

- *3975. *fuscata* HULST, Can. Ent., xxx, 217, 1898. Col.
- *3976. *pallulata* HULST, Ent. Amer., ii, 211, 1887. Oreg.
- *3977. *oblentaria* GROTE, Can. Ent., xv, 126, 1883. Cal., Ariz.

PHERNE Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 377, 1896.

3978. *parallelia* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 38, 1874. Cal.
 syn. *paralleliaria* PACKARD, C. 551; HULST, Ent. Amer., i, 202, 1886; ii, 48, 1886.
- *3979. *jubararia* HULST, Ent. Amer., ii, 120, 1886. Wash.
3980. *placearia* GUENÉE, Spec. Gén., i, 132, 1857; PACKARD, C. 497; HULST, Ent. News, vi, 104, 1895. Cal.
 syn. *mellitularia* HULST, Ent. Amer., i, 202, 1896.
- METANEMA Guenée.
- GUENÉE, Spec. Gén., ix, 171, 1857; PACKARD, C. 542; HULST, Trans. Am. Ent. Soc., xxiii, 378, 1896.
3981. *inatomaria* GUENÉE, Spec. Gén., ix, 171, 1857; PACKARD, C. 543; BRUCE, Ent. Amer., iii, 47, 1887. U. S.
3982. *determinata* WALKER, Cat. Brit. Mus., xxxv, 1551, 1866; HULST, Ent. News, vi, 14, 1895. No. Atl. States.
 syn. *carriaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 80, 1873; C. 542.
- *3983. *subpunctata* HULST, Can. Ent., xxx, 218, 1898. Cal.
3984. *excelsa* STRECKER, Surv. Dept. Mo., Ruffner, App. SS, 1863, 1878. Rocky Mts.
 a. *simpliciararia* GROTE, Can. Ent., xv, 127, 1883; HULST, Ent. Amer., ii, 48, 1886.
- *3985. *vanusaria* STRECKER, Lep. Rhop. Het., suppl. 2, 6, 1899. N. Mex.
3986. *quercivoraria* GUENÉE, Spec. Gén., ix, 172, 1857; PACKARD, C. 544; Ins. Inj. For. Trees, 51, 1881; HULST, Ent. News, vi, 14, 1895. Atl. States.
 syn. *eliaria* WALKER, Cat. Brit. Mus., xx, 260, 1860; *trilinearia* PACKARD, C. 542.
- *3987. *incongruaria* HULST, Ent. Amer., ii, 212, 1887. Ont.
3988. *textrinaria* GROTE & ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii, 15, 1867; PACKARD, C. 507; Am. Nat., xviii, 934, 1884; GROTE, Pap., ii, 100, 1882; HULST, Ent. Amer., ii, 49, 1896. Atl. States.
- *3989. *forficularia* GUENÉE, Spec. Gén., ix, 172, 1857 (type lost). Cal.

PRIOCYCLA Guenée.

GUENÉE, Spec. Gén., ix, 90, 1857; WALKER, Cat. Brit. Mus., xx, 114, 1860; *Pryocycla*
HULST, Trans. Am. Ent. Soc., xxiii, 378, 1896.

3990. **armentaria** HERRICH-SCHAEFFER, Ausser. Atl.
Schmett., f. 373, 1855; PACKARD, C. 510; Rept. States.
Dept. Agr. 83, 1871; SAUNDERS, Can. Ent., ii,
130, 1871; Ins. Inj. Fruits, 354, 1883; FITCH,
Rept. Ins. N. Y., xiii, 522, 1869.
- *3991. **decoloraria** HULST, Ent. Amer., i, 207, 1886. Atl. States.
- *3992. **jucundaria** STRECKER, Lep. Rhop. Het., suppl. Md.
2, 7, 1899.

SNOWIA Neumoegen.

NEUMOEGEN, Pap., iv, 95, 1884; HULST, Trans. Am. Ent. Soc., xxiii, 379, 1896.

- *3993. **montanaria** NEUMOEGEN, Pap., iv, 96, 1884. Col.

STENASPILATES Packard.

PACKARD, C. 212, 1876; HULST, Trans. Am. Ent. Soc., xxiii, 379, 1896.

3994. **zalissaria** WALKER, Cat. Brit. Mus., xx, 187, Fla.
1860; PACKARD, C. 522; HULST, Ent. Amer.,
iii, 113, 1888.
- *3995. **inviolata** HULST, Can. Ent., xxx, 218, 1898. Ariz.
- *3996. **radiosaria** HULST, Ent. Amer., i, 206, 1886. Ariz.
- *3997. **muricolor** HULST, Trans. Am. Ent. Soc., xxiii, Tex.
379, 1896.
3998. **meskearia** PACKARD, C. 213, 1876; HULST, Ent. Rocky
Amer., ii, 141, 1887. Mts.
syn. *arizonaria* HY. EDWARDS, Pap., ii, 130,
1882.
a. albomacularia HY. EDWARDS, Pap., ii, 130,
1882.
3999. **albidula** HULST, Can. Ent., xxiii, 107, 1900. Col., N. Mex.

MARMAREA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 379, 1896.

- *4000. **occidentalis** HULST, Trans. Am. Ent. Soc., xxiii, Cal.,
380, 1896. Ariz.
a. peplarioides HULST, Can. Ent., xxx, 218, 1898.

AZELINA Guenée.

GUENÉE, Spec. Gén., ix, 156, 1857; PACKARD, C. 520; MEYRICK, Trans. N. Zeal. Inst., 106, 1883; HULST, Trans. Am. Ent. Soc., xxiii, 380, 1896.

4001. *ancetaria* HÜBNER, Samml. exot. Schmett., ii, U. S.
1806.

syn. *hubneraria* GUENÉE, Spec. Gén., ix, 159, 1857; PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 386, 1871; BUTLER, Ann. Mag. Nat. Hist., (5), viii, 33, 1881; *hubnerata* PACKARD, C. 520; *honestaria* WALKER, Cat. Brit. Mus., xx, 258, 1860.

a. *peplaria* HÜBNER, Zutr. exot. Schmett., f. 709, 1832; HULST, Ent. Amer., ii, 49, 1886; Ent. News, vi, 14, 1895.

syn. *stygiaria* WALKER, Cat. Brit. Mus., xxxv, 1548, 1866; *atroccolorata* HULST, Ent. Amer., i, 205, 1885.

b. *morrissonata* HY. EDWARDS, Pap., i, 121, 1881; HULST, Ent. Amer., ii, 249, 1886.

4002. *behrensata* PACKARD, Proc. Bost. Soc. Nat. Hist., Cal.
xiii, 386, 1871; C. 521.

SYSSAURA Hübner.

HÜBNER, Verz. bek. Schmett., 150, 1818; WARREN, Nov. Zool., i, 458, 1894; *Patalene* HERRICH-SCHAEFFER, Ausser. Schmett., 80, 1855; *Microsemia* HERRICH-SCHAEFFER, Ausser. Schmett., 83, 1855; *Hyperutha* GUENÉE, Spec. Gén., i, 99, 1857; WALKER, Cat. Brit. Mus., xx, 124, 1860; *Hypsoridra* BUTLER, Proc. Zool. Soc. Lond., 492, 1878; *Drepanodes* PACKARD, C. 537.

4003. *siculata* GUENÉE, Spec. Gén., ix, 67, 1857; HULST, Va., Mont.,
Ent. News, vi, 103, 1895. Ariz.

syn. *perizomaria* HULST, Ent. Amer., i, 205, 1886.

*4004. *syzygyaria* HULST, Ent. Amer., ii, 121, 1886. Fla.

4005. *infensata* GUENÉE, Spec. Gén., ix, 68, 1857; So. Atl.
HULST, Ent. News, vi, 12, 1895. States.

syn. *ephyrata* GUENÉE, Spec. Gén., ix, 69, 1857; *olyzonaria* WALKER, Cat. Brit. Mus., xx, 69, 1860; *æquosus* GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 22, 1867; *sesquilinea* GROTE, Can. Ent., ii, 114, 1870.

a. *biclaria* WALKER, Cat. Brit. Mus., xx, 73, 1860.

syn. *amecraia* WALKER, Cat. Brit. Mus., xx, 73, 1860; *puber* GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 20, 1867; GROTE, Can. Ent., xiv, 107, 1882; *varus* GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 21, 1867; PACKARD, C. 538; *juniperaria* PACKARD, First Rept. Ins. Mass., 22, 1871.

CABERODES Guenée

GUENÉE, Spec. Gén., ix, 135, 1857; PACKARD, C. 531; WARREN, Nov. Zool., i, 487, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 381, 1896.

*4006. *juncturaria* GUENÉE, Spec. Gén., ix, 88, 1857; S.-E.
WALKER, Cat. Brit. Mus., xx, 102, 1860; HULST, U. S.
Ent. News, vi, 103, 1895.

syn. *incopularia* GUENÉE, Spec. Gén., ix, 89,
1857; WALKER, Cat. Brit. Mus., xx, 112,
1860; *effusaria* HULST, Ent. Amer., i,
204, 1886.

4007. *confusaria* HÜBNER, Samml. exot. Schmett., i, U. S.
1806; PACKARD, C. 534; BRUCE, Ent. Amer., iii,
47, 1887; HULST, Ent. News, vi, 13, 1895;
FRENCH, Trans. Dept. Agr. Ill., xv, 244, 1877.

syn. *remissaria* GUENÉE, *inbraria* GUENÉE,
superaria GUENÉE, *ineffusaria* GUENÉE,
floridaria GUENÉE, *phasianaria* GUENÉE, *in-*
terlinearia GUENÉE, Spec. Gén., ix, 137-140,
1857; *varadaria* WALKER, Cat. Brit. Mus.,
xx, 251, 1860; ? *arburaria* WALKER, Cat.
Brit. Mus., xx, 102, 1860; *amyrisaria*
WALKER, *myandaria* WALKER, Cat. Brit.
Mus., xx, 164, 1860.

a. *metrocamparia* GUENÉE, Spec. Gén., ix, 137,
1857.

syn. ? *edanaria* WALKER, Cat. Brit. Mus., xx,
170, 1860.

b. *minima* HULST, Can. Ent., xxx, 219, 1898.

4008. *majoraria* GUENÉE, Spec. Gén., ix, 138, 1857; Atl. States,
PACKARD, C. 536; HULST, Ent. News, vi, 13, 1895. Col.

syn. *pandaria* WALKER, Cat. Brit. Mus., xx,
173, 1860; PACKARD, C. 534.

*4008.1. *subochrearia* HULST, Can. Ent., xxxii, 107, 1900. N. J.

OXYDIA Guenée.

GUENÉE, Spec. Gén., ix, 52, 1857; HULST, Trans. Am. Ent. Soc., xxiii, 382, 1896.

*4009. *zonulata* HULST, Ent. Amer., i, 201, 1886. Tex.

4010. *vesulia* CRAMER, Pap. Exot., iii, pl. 240, f. B, Fla.
1782; WALKER, Cat. Brit. Mus., xx, 53, 1860;
HULST, Ent. News, vi, 13, 1895.

syn. *vesuliata* GUENÉE, Spec. Gén., ix, 60,
1857; HULST, Ent. Amer., ii, 47, 1886;
peosinata GUENÉE, *distichata* GUENÉE, *nim-*
bata GUENÉE, Spec. Gén., ix, 59, 1857;
saturniata GUENÉE, *agliata* GUENÉE, *gastro-*
pachata GUENÉE, Spec. Gén., ix, 62, 1857;
WALKER, Cat. Brit. Mus., xx, 55, 1860;
transponens WALKER, Cat. Brit. Mus., xx,
20, 1860; *vitiligata* FELDER, Reise Nov.,
Lep., pl. 122, f. 17, 1873.



TETRACIS Guenée.

GUENÉE, Spec. Gén., ix, 140, 1857; PACKARD, C. 546; HULST, Trans. Am. Ent. Soc., xxiii, 382, 1896.

4011. *crocallata* GUENÉE, Spec. Gén., ix, 141, 1857; Atl.
PACKARD, C. 548; GOODELL, Can. Ent., xi, 193, States.
1879; MINOT, Can. Ent., ii, 28, 1869; BRUCE,
Ent. Amer., iii, 47, 1887; HULST, Ent. News,
vi, 13, 1895.

syn. *allediitaria* WALKER, Cat. Brit. Mus.,
xx, 253, 1860.

- a. *aspilata* GUENÉE, Spec. Gén., ix, 141, 1857;
WALKER, Cat. Brit. Mus., xx, 173, 1860.

4012. *hyperborea* HULST, Proc. Wash. Acad. Sci., ii, Alaska.
496, 1900; Journ. N. Y. Ent. Soc., viii, 220, 1901.

SABULODES Guenée.

GUENÉE, Spec. Gén., ix, 42, 1857; HULST, Trans. Am. Ent. Soc., xxiii, 382, 1896;
Charodes GUENÉE (not WHITE), Spec. Gén., ix, 35, 1857; *Antepione* PACKARD,
C. 484; *Procheroles* GROTE, Ann. Mag. Nat. Hist., (5), xi, 55, 1883.

4013. *sulphurata* PACKARD, Fifth Rept. Peab. Acad. Atl.
Sci., 79, 1873; C. 484. States.

a. *imitata* HY. EDWARDS, Pap., iv, 48, 1884.

4014. *arcasaria* WALKER, Cat. Brit. Mus., xx, 131, 1860. Atl. States.
syn. *depontanata* GROTE, Proc. Ent. Soc. Phil.,
iii, 90, 1864; PACKARD, C. 483.

4015. *novellata* HULST, Ent. Amer., i, 204, 1886. Ariz.

4016. *lorata* GROTE, Proc. Ent. Soc. Phil., iii, 91, 1864; Atl.
Can. Ent., xiv, 107, 1882; MINOT, Can. Ent., ii, States.
28, 1869; PACKARD, C. 547; GOODELL, Can. Ent.,
ix, 62, 1876; BRUCE, Ent. Amer., iii, 47, 1887.

4017. *truxaliata* GUENÉE, Spec. Gén., ix, 142, 1857; Col.,
PACKARD, C. 554; HULST, Ent. Amer., ii, 47, 1886. Cal.

4018. *cervinaria* PACKARD, Proc. Bost. Soc. Nat. Hist., Cal.
xiii, 386, 1871; C. 552; HULST, Ent. Amer., ii,
47, 1886.

4019. *aurantiacaria* PACKARD, Proc. Bost. Soc. Nat. Cal., Nev.,
Hist., xvi, 34, 1874; C. 551; HULST, Ent. Amer., B. C.
ii, 47, 1886.

4020. *caberata* GUENÉE, Spec. Gén., ix, 45, 1857; Cal.
WALKER, Cat. Brit. Mus., xx, 34, 1860; HULST,
Ent. News, v, 303, 1894; vi, 13, 1895.

syn. *egrotata* GUENÉE, Spec. Gén., ix, 141,
1857; PACKARD, C. 555; BUTLER, Pap., i,
221, 1881; ? *forficaria* GUENÉE, Spec. Gén.,
ix, 172, 1857; PACKARD, C. 545 (type lost);
arsenaria WALKER, Cat. Brit. Mus., xx, 260,
1860.

- *4021. *nonangulata* STRECKER, Lep. Rhop. Het., suppl. 2, 6, 1899. Tex.
4022. *anfractata* HULST, Ent. Amer., i, 202, 1886. Rocky Mts., Cal.
4023. *catenulata* GROTE, Trans. Kans. Acad. Sci., viii, 56, 1883; Ann. Mag. Nat. Hist., (5), xi, 55, 1883. Rocky Mts., Cal.
4024. *nubilata* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 381, 1871; C. 558. Cal.
- *4025. *furciferata* PACKARD, Fifth Rept. Peab. Acad. Sci., 68, 1873; C. 559. Atl. States.
4026. *transversata* DRURY, Ill. Exot. Ent., i, 16, 1770; PACKARD, C. 559; Bull. U. S. Ent. Comm., vii, 112, 1881; FRENCH, Trans. Dept. Agr. Ill., xv, 244, 1877; GOODELL, Can. Ent., xii, 236, 1880; EMMONS, Nat. Hist. N. Y. Agr., v, 249, 1854; BRUCE, Ent. Amer., iii, 47, 1887; HULST, Ent. News, vi, 13, 1895; DYAR, Psyche, ix, 273, 1901.
syn. *transmutans* WALKER, Cat. Brit. Mus., xx, 17, 1860; *contingens* WALKER, Cat. Brit. Mus., xx, 18, 1860; *transfūdens* WALKER, Cat. Brit. Mus., xx, 26, 1860.
a. goniata GUENÉE, Spec. Gén., ix, 38, 1857.
syn. *transvertens* WALKER, Cat. Brit. Mus., xx, 16, 1860.
b. transposita WALKER, Cat. Brit. Mus., xx, 15, 1860.
c. incurvata GUENÉE, Spec. Gén., ix, 37, 1857; WALKER, Cat. Brit. Mus., xx, 15, 1860.
4027. *politia* CRAMER, Pap. Exot., ii, pl. 140, f. E, 1776; FABRICIUS, Sp. Ins., ii, 253, 64, 1781; Mant. Ins., ii, 96, 100, 1787; Ent. Syst., iii, 2, 163, 123, 1794; LEACH, Zool. Miss., 80, 1817; GUENÉE, Spec. Gén., ix, 30, 1857; WALKER, Cat. Brit. Mus., xx, 7, 1860; HULST, Ent. Amer., ii, 47, 1886; Ent. News, v, 303, 1894; WARREN, Nov. Zool., i, 399, 1894.
syn. *politiata* GUENÉE, Spec. Gén., ix, 30, 1857; *complicata* GUENÉE, Spec. Gén., ix, 30, 1857; WALKER, Cat. Brit. Mus., xx, 7, 1860; *illiturbata* GUENÉE, Spec. Gén., ix, 130, 1857; *illiturata* WALKER, Cat. Brit. Mus., xx, 8, 1860; *floridata* GROTE, Can. Ent., xv, 6, 1883.

ABBOTANA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 383, 1896.

4028. **clemtaria** SMITH & ABBOT, Lep. Ins. Ga., ii, 201, 1797; PACKARD, C. 561; BRUCE, Ent. Amer., iii, 47, 1887; HULST, Ent. Amer., ii, 47, 1886; DYAR, Psyche, ix, 142, 1900. Atl. States.
- syn. *transferens* WALKER, Cat. Brit. Mus., xx, 19, 1860.
- a. transducens* WALKER, Cat. Brit. Mus., xx, 18, 1860.

Subfamily MECOCERATINÆ

MECOCERAS Guenée.

GUENÉE, Spec. Gén., ix, 388, 1857; WALKER, Cat. Brit. Mus., xxii, 606, 1861; HULST, Trans. Am. Ent. Soc., xxiii, 385, 1896.

4029. **nitoris** CRAMER, Pap. Exot., iii, pl. 275, f. A, 1776; WALKER, Cat. Brit. Mus., xxii, 606, 1860; DYAR, Psyche, ix, 69, 1900. Fla.
- syn. *nitocraria* HÜBNER, Samml. exot. Schmett., ii, 1806; GUENÉE, Spec. Gén., ix, 389, 1857; *peninsularia* GROTE, Pap., iii, 79, 1883.

ALMODES Guenée.

GUENÉE, Spec. Gén., ix, 389, 1857; WALKER, Cat. Brit. Mus., xxii, 607, 1861; HULST, Trans. Am. Ent. Soc., xxiii, 385, 1896.

- *4030. **terraria** GUENÉE, Spec. Gén., ix, 390, 1857; WALKER, Cat. Brit. Mus., xxii, 608, 1861; HULST, Ent. News, vi, 73, 1896; WARREN, Nov. Zool., i, 376, 1894. Fla.
- syn. *stellidaria* GUENÉE, Spec. Gén., x, 450, 1857; *squamigera* FELDER, Reise Novara, pl. 126, f. 11, 1874; *balteolata* HERRICH-SCHAEFFER, Copf.-Blatt. Reg., xxiv, 190, 1870; MÖSCHLER, Abh. Senck. Ges., xvi, 272, 1890; *assecoma* DRUCE, Biol. Cent. Am., Lep. Het., ii, 79, 1892; *calvina* DRUCE, Biol. Cent. Am., Lep. Het., ii, 79, 1892; *rivularia* GROTE, Pap., iii, 79, 1883.

Subfamily PALYADINÆ

PALYAS Guenée.

GUENÉE, Spec. Gén., ix, 395, 1857; WALKER, Cat. Brit. Mus., xxiii, 612, 1861; WARREN, Nov. Zool., i, 402, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 384, 1896.

- *4031. **auriferaria** HULST, Ent. Amer., ii, 188, 1887. Fla.

PHRYGIONIS Hübner.

HÜBNER, Verz. bek. Schmett., 307, 1818; WARREN, Nov. Zool., i, 394, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 384, 1896; *Byssodes* GUENÉE, Spec. Gén., ix, 399, 1857; WALKER, Cat. Brit. Mus., xxii, 617, 1861; HULST, Trans. Am. Ent. Soc., xxiii, 384, 1896.

4032. **argenteostriata** STRECKER, Proc. Acad. Nat. Sci. Fla.
Phil., 152, 1876; HULST, Ent. Amer., ii, 222,
1886; DYAR, Proc. Ent. Soc. Wash., iv, 458, 1901.
syn. *cerussata* GROTE, Pap., ii, 101, 1882;
obrussata GROTE, Can. Ent., xiv, 111, 1882;
xv, 6, 1883.

Subfamily SPHÆCELODINÆ.

SPHÆCELODES Guenée.

GUENÉE, Spec. Gén., x, 116, 1857; WALKER, Cat. Brit. Mus., xx, 213, 1860; HULST, Trans. Am. Ent. Soc., xxiii, 367, 1896; *Brotis* HÜBNER (not *a*), Verz. bek. Schmett., 303, 1818.

4033. **vulneraria** HÜBNER, Zutr. exot. Schmett., f. 319, Atl.
1825; GUENÉE, Spec. Gén., x, 117, 1857; States.
WALKER, Cat. Brit. Mus., xx, 214, 1860; GROTE,
Can. Ent., viii, 154, 1876; xii, 116, 1880; HULST,
Can. Ent., xviii, 136, 1886.
syn. *floridensis* HOLLAND, Pap., iv, 72, 1884.

Subfamily MELANCHROINÆ.

MELANCHROIA Hübner.

HÜBNER, Verz. bek. Schmett., 173, 1818.

4034. **regnatrrix** GROTE, Ann. N. Y. Lyc. Nat. Hist., Cuba,
viii, 441, 1867. Fla. ?
4035. **cephise** CRAMER, Pap. Exot., iv, pl. 381, f. E, Ariz.,
1782; GROTE, Proc. Ent. Soc. Phil., vi, 306, Fla.,
1867; Hy. EDWARDS, Ent. Amer., ii, 9, 1886; So.
COCKERELL, Can. Ent., xxv, 26, 1893. Am.
4036. **geometroides** WALKER, Cat. Brit. Mus., ii, 387, Tex.,
1854; GROTE, Proc. Ent. Soc. Phil., vi, 307, Mex.,
1867. Fla.
- syn. *mors* LUCAS, Hist. Nat. Cuba, 663, 1857.

Subfamily BREPHEINÆ.

BREPHEINOS Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 96, 1816.

4037. **infans** MÖSCHLER, Wien. ent. Mon., vi, 134, No. Atl.
1862; SMITH, Bull. 44, U. S. Nat. Mus., 396, States.
1893; BRAINERD, Can. Ent., xxix, 272, 1897;
LYMAN, Can. Ent., xxx, 49, 1898; STAUDINGER
& REBEL, Cat. Lep. Eur., i, no. 2855, 1901.
syn. *hamadryas* HARRIS.

a Preoccupied, according to Hulst's manuscript.

- *4038. **melanis** BOISDUVAL, Ann. Soc. Ent. Belg., xii, Cal.
88, 1868; SMITH, Bull. 44, U. S. Nat. Mus., 396,
1893.
- *4039. **californicus** BOISDUVAL, Ann. Soc. Ent. Belg., Cal.
xii, 88, 1868; SMITH, Bull. 44, U. S. Nat. Mus.,
396, 1893.

LEUCOBREPHOS Grote.

GROTE, Bull. Buff. Soc. Nat. Sci., ii, 53, 1874.

- *4040. **brephoides** WALKER, Cat. Brit. Mus., xi, 702, No.
1857; SMITH, Bull. 44, U. S. Nat. Mus., 397, U. S.
1893.
syn. *noyi* GROTE, *resoluta* ZELLER.
- *4041. **middendorfi** MÉNÉTRIÉS, Schrenk's Reise, 66, Canada.
1859; SMITH, Bull. 44, U. S. Nat. Mus., 397,
1893; STAUDINGER & REBEL Cat. Lep. Eur., i,
no. 2857. 1901.

Family EPIPLEMIDÆ.

PHILAGRAULA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 310, 1896.

- *4042. **slossoniæ** HULST, Trans. Am. Ent. Soc., xxiii, Fla.
310, 1896.

CALLIZZIA Packard.

PACKARD, Rept. Geol. Surv. Terr., Hayden, x, 314, 1876; HULST, Trans. Am. Ent.
Soc., xxiii, 309, 1896.

4043. **amorata** PACKARD, Rept. Geol. Surv. Terr., No. U. S.,
Hayden, x, 315, 1876. Ariz., Col.

CALLEDAPTERYX Grote.

GROTE, Trans. Am. Ent. Soc., ii, 119, 1868; HULST, Trans. Am. Ent. Soc., xxiii, 310,
1896.

4044. **dryopterata** GROTE, Trans. Am. Ent. Soc., ii, Atl.
120, 1868; PACKARD, Rept. Geol. Surv. Terr., States.
Hayden, x, 313, 1876.
syn. *erosiata* PACKARD, Rept. Geol. Surv.
Terr., Hayden, x, pl. 3, f. 14, 1876.

SCHIDAX Hübner.

HÜBNER, Verz. bek. Schmett., 315, 1818; GUENÉE, Spec. Gén., x, 39, 1857; WALKER,
Cat. Brit. Mus., xxiii, 853, 1861.

- *4045. **coronaria** STRECKER, Lep. Rhop. Het., suppl. Fla.
2, 8, 1899.

Superfamily TINEOIDEA.

Family NOLIDÆ.

(C. = HAMPSON Cat. Lep. Phal. Brit. Mus., ii, 1900.)

CELAMA Walker.

WALKER, Cat. Brit. Mus., xxxii, 500, 1865; HAMPSON, C. 5.

4046. *triquetrana* FITCH, First Rept. Ins. N. Y., 244, 1856; SMITH, Bull. 44, U. S. Nat. Mus., 193, 1893; DYAR, Jn. N. Y. Ent. Soc., vi, 42, 1898; HAMPSON, C. no. 34. Atl. States.
syn. *trinotata* WALKER, *semaculata* GROTE.
4047. *minna* BUTLER, Ann. Mag. Nat. Hist., (5), viii, 315, 1881; HAMPSON, C. no. 36. Pac. States.
syn. *hyemalis* STRETCH.
4048. *sorghiella* RILEY, Rept. Dept. Agr., 188, 1882; HAMPSON, C. no. 33. So. Atl. States.
4049. *pustulata* WALKER, Cat. Brit. Mus., xxxiii, 795, 1865; HAMPSON, C. no. 26. Atl. States.
syn. *nigrofasciata* ZELLER, *obaurata* MORRISON.
4050. *cilicoides* GROTE, Bull. Buff. Soc., i, 175, 1873; HAMPSON, C. no. 27. Atl. States.
- *4051. *anfracta* HY. EDWARDS, Pap., i, 12, 1881; HAMPSON, C. no. 152. Cal.
- *4051. 1. *aphyla* HAMPSON, C. no. 15, 1900. Cal.

NOLA Leach.

LEACH, Edinb. Encycl., ix, 135, 1815; SNELLEN, Tijd. voor Ent., xviii, 61, 1874; HAMPSON, C. 31.

4052. *clethræ* DYAR, Can. Ent., xxxi, 62, 1899; HAMPSON, C. no. 46. Atl. States.
4053. *ovilla* GROTE, Can. Ent., vii, 221, 1875; HAMPSON, C. no. 45. Atl. States.
4054. *apera* DRUCE, Biol. Cent. Am., Lep. Het., ii, 404, 1897; HAMPSON, C. no. 76. Ariz., Cal., Mex., Fla.
syn. *involuta* DYAR, Jn. N. Y. Ent. Soc., vi, 42, 1898.
a. exposita DYAR, Jn. N. Y. Ent. Soc., vi, 43, 1898.
b. lagunculariæ DYAR, Proc. Ent. Soc. Wash., iv, 465, 1901.

RÖESELIA Hübner.

HÜBNER, Verz. bek. Schmett., 397, 1827; HAMPSON, C. 51.

4055. *minuscula* ZELLER, Verh. zool.-bot. Ges. Wien, xlii, 455, 1872; HAMPSON, C. no. 142. Atl. States.
 syn. *minor* DYAR, Can. Ent., xxxi, 64, 1899.
a. phylla DYAR, Jn. N. Y. Ent. Soc., vi, 43, 1898; Can. Ent., xxxi, 61, 1899.
4056. *fuscula* GROTE, Pap., i, 76, 1881. Col.
 syn. *conspicua* DYAR, Jn. N. Y. Ent. Soc., vi, 43, 1898.
4057. *dentata* DYAR, Can. Ent., xxxi, 64, 1899; HAMPSON, C. no. 133. Ariz.

NIGETIA Walker.

WALKER, Cat. Brit. Mus., xxxiv, 1505, 1865; HAMPSON, C. 50.

4058. *formosalis* WALKER, Cat. Brit. Mus., xxxiv, 1506, 1865; HAMPSON, C. no. 104; Proc. Zool. Soc. Lond., 290, 1899. Atl. States.
 syn. *melanopa* ZELLER.

Family LACOSOMIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 120, 1894.)

CICINNUS Blanchard.

BLANCHARD, Gay's Hist. Chile, Zool., vii, 66, 1852; NEUMOEGEN & DYAR, C. 120.

4059. *melsheimeri* HARRIS, Rep. Ins. Mass., 290, 1841; Atl. States.
 NEUMOEGEN & DYAR, C. 120.
 syn. *egenaria* WALKER.

LACOSOMA Grote.

GROTE, Proc. Ent. Soc. Phil., iii, 77, 1864; NEUMOEGEN & DYAR, C. 120.

4060. *chiridota* GROTE, Proc. Ent. Soc. Phil., iii, 78, 1864; NEUMOEGEN & DYAR, C. 120. Atl. States.
4061. *arizonicum* DYAR, Jn. N. Y. Ent. Soc., vi, 44, 1898. Ariz.

Family PSYCHIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 111-120, 1894.)

OIKETICUS Guilding.

GUILDING, Trans. Ent. Soc. Lond., xv, 375, 1837; NEUMOEGEN & DYAR, C. 118.

4062. *abbottii* GROTE, No. Am. Ent., i, 52, 1880; NEUMOEGEN & DYAR, C. 118. Fla.

4063. **townsendi** COCKERELL, Ann. Mag. Nat. Hist., (6), N. Mex.
 xv, 208, 1895; DYAR, Can. Ent., xxvii, 242, 1895.
- *4064. **davidsoni** HY. EDWARDS, Proc. Cal. Acad. Sci., Cal.
 vii, 142, 1877; DYAR, Ent. News, iv, 320, 1893.

THYRIDOPTERYX Stephens.

STEPHENS, Ill. Brit. Ent., Haust., iv, 387, 1834; NEUMOEGEN & DYAR, C. 118.

4065. **ephemeræformis** HAWORTH, Lep. Brit., 72, 1803; Atl.
 NEUMOEGEN & DYAR, C. 118. States.
- syn. *coniferarum* PACKARD.
4066. **meadii** HY. EDWARDS, Pap., i, 116, 1881; NEU- So.
 MOEGEN & DYAR, C. 119. Cal.

PLATÆCETICUS Packard.

PACKARD, Guide Stud. Ins., 291, 1869; NEUMOEGEN & DYAR, C. 119.

4067. **gloveri** PACKARD, Guide Stud. Ins., 291, 1869; Fla.
 NEUMOEGEN & DYAR, C. 119.
- syn. *edwardsii* HEYLAERTS.

EURYCYTTARUS Hampson.

HAMPSON, Ill. Lep. Het. Brit. Mus., viii, 66, 1891; NEUMOEGEN & DYAR, C. 119.

4068. **confederata** GROTE & ROBINSON, Trans. Am. Ent. Atl.
 Soc., ii, 191, 1868; NEUMOEGEN & DYAR, C. 119. States.
4069. **carbonaria** PACKARD, Ent. Amer., iii, 51, 1887; Tex.
 NEUMOEGEN & DYAR, C. 119.

CHALIA Moore.

MOORE, Ann. Mag. Nat. Hist., (4), xx, 345, 1877; NEUMOEGEN & DYAR, C. 120.

- *4070. **rileyi** HEYLAERTS, Ann. Soc. Ent. Belg., xxviii, Atl.
 208, 1884; NEUMOEGEN & DYAR, C. 120. States.
4071. **fragmentella** HY. EDWARDS, Proc. Cal. Acad. Sci., Pac.
 vii, 142, 1877; DYAR, Ent. News, iv, 320, 1893. States.
- syn. *coniferella* HY. EDWARDS.

SOLENOBIA Zeller.

ZELLER, Linn. Ent., vii, 332, 1852; CLEMENS, Tib. Nor. Am., 181, 1872.

4072. **walshella** CLEMENS, Proc. Ent. Soc. Phil., i, 132, Atl.
 1862; PACKARD, Guide Stud. Ins., 346, 1869; States.
 CHAMBERS, Can. Ent., v, 74, 1873; vii, 125, 1875;
 viii, 19, 1876.

HYALOSCOTES Butler.

BUTLER, Ann. Mag. Nat. Hist., (5), viii, 314, 1881.

- *4073. *fumosa* BUTLER, Ann. Mag. Nat. Hist., (5), viii, 314, 1881; NEUMOEGEN & DYAR, C. i, 114. Cal.

ÆDONIA Kirby.

KIRBY, Cat. Lep. Het., i, 524, 1892; DYAR, Can. Ent., xxv, 301, 1893.

- *4074. *exigua* HY. EDWARDS, Pap., ii, 125, 1882; DYAR, Can. Ent., xxv, 301, 1893. Ariz.

Family COCHLIDIIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 64-76, 109, 1894.)

SIBINE Herrich-Schaeffer.

HERRICH-SCHAEFFER, Samml. ausser. Schmett., i, 7, 1855.

4075. *stimulea* CLEMENS, Proc. Acad. Nat. Sci. Phil., xi, 158, 1860; NEUMOEGEN & DYAR, C. 72; DYAR & MORTON, Jn. N. Y. Ent. Soc., iv, 1, 1896. Atl. States.
syn. *ephippiatus* HARRIS.

EUCLEA Hübner.

HÜBNER, Verz. bek. Schmett., 149, 1822.

4076. *nanina* DYAR, Jn. N. Y. Ent. Soc., vii, 247, 1899. Fla.
syn. *nana* DYAR (not HERRICH-SCHAEFFER), Ent. News, ii, 61, 1891; NEUMOEGEN & DYAR, C. 67.
4077. *delphinii* BOISDUVAL, Cuvier An. King., pl. ciii, f. 6, 1832; NEUMOEGEN & DYAR, C. 67; DYAR, Jn. N. Y. Ent. Soc., v, 57, 1897. Atl. States.
syn. *strigata* BOISDUVAL, *quercicola* HERRICH-SCHAEFFER, *tardigrada* CLEMENS, *ferruginea* PACKARD, *argentatus* WETHERBY, Cin. Quart. Jn. Sci., ii, 366, 1875.
a. querceti HERRICH-SCHAEFFER, Samml. ausser. Schmett., f. 174, 1854.
syn. *bifida* PACKARD.
b. interjecta DYAR, Ent. News, ii, 61, 1891.
c. viridiclava WALKER, Cat. Brit. Mus., v, 1154, 1855.
syn. *monitor* PACKARD.
d. elliotii PEARSALL, Ent. Amer., i, 209, 1887.
e. pænulata CLEMENS, Proc. Acad. Nat. Sci. Phil., xii, 159, 1860.

4078. *incisa* HARVEY, Can. Ent., viii, 5, 1876; NEUMOEGEN & DYAR, C. 68. Tex.
4079. *indetermina* BOISDUVAL, Cuv. An. King., pl. ciii, f. 1, 1832; NEUMOEGEN & DYAR, C. 68; DYAR, Jn. N. Y. Ent. Soc., v, 10, 1897. Atl. States.
syn. *vernata* PACKARD.
4080. *chloris* HERRICH-SCHAEFFER, Samml. ausser. Schmett., i, f. 146, 1854; NEUMOEGEN & DYAR, C. 72; DYAR, Jn. N. Y. Ent. Soc., v, 61, 1897. Atl. States.
syn. *viridis* REAKIRT, *fraterna* GROTE.

MONOLEUCA Grote & Robinson.

GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 187, 1869; NEUMOEGEN & DYAR, C. 69.

4081. *subdentosa* DYAR, Trans. Am. Ent. Soc., xviii, 156, 1891; NEUMOEGEN & DYAR, C. 69. Fla.
4082. *semifascia* WALKER, Cat. Brit. Mus., v, 1151, 1855; NEUMOEGEN & DYAR, C. 69. So. Atl. States.
4083. *sulfurea* GROTE, No. Am. Ent., i, 60, 1880; NEUMOEGEN & DYAR, C. 69. Fla.
- *4084. *obliqua* HY. EDWARDS, Ent. Amer., ii, 10, 1886; NEUMOEGEN & DYAR, C. 69. Fla.

ADONETA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., xii, 158, 1860.

4085. *spinuloides* HERRICH-SCHAEFFER, Samml. ausser. Schmett., i, f. 187, 1854; NEUMOEGEN & DYAR, C. 71; DYAR, Jn. N. Y. Ent. Soc., v, 5, 1897. Atl. States.
syn. *voluta* CLEMENS, *ferrigera* WALKER, *nebulosus* WETHERBY, Cin. Quart. Jn. Sci., ii, 370, 1875.
a. leucosigma PACKARD, Proc. Ent. Soc. Phil., iii, 345, 1864; NEUMOEGEN & DYAR, C. 72.
4086. *pygmæa* GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 189, 1868; NEUMOEGEN & DYAR, C. 71. Tex.

SISYROSEA Grote.

GROTE, Can. Ent., viii, 112, 1876; NEUMOEGEN & DYAR, C. 69.

4087. *textula* HERRICH-SCHAEFFER, Ausser. Schmett., f. 184, 1854; DYAR, Jn. N. Y. Ent. Soc., iv, 185, 1896. Atl. States.
syn. *inornata* GROTE & ROBINSON.

NATADA Walker.

WALKER, Cat. Brit. Mus., v, 1108, 1855.

4088. **nasoni** GROTE, Can. Ent., viii, 112, 1876; DYAR, Jn. N. Y. Ent. Soc., vii, 61, 1899. Atl. States.
syn. *daona* DRUCE, *rude* HY. EDWARDS.

PHOBETRON Hübner.

HÜBNER, Verz. bek. Schmett., 398, 1827; NEUMOEGEN & DYAR, C. 70.

4089. **pithecium** SMITH & ABBOT, Lep. Ins. Ga., ii, 74, 1897; NEUMOEGEN & DYAR, C. 70; DYAR, Jn. N. Y. Ent. Soc., iv, 178, 1896. Atl. States.
syn. *abbotana* HÜBNER, *nigricans* PACKARD, *hyalinus* WALSH, *tetradactylus* WALSH, *nondescriptus* WETHERBY, Cin. Quart. Jn. Sci., ii, 371, 1875.

ISOCHÆTES Dyar.

DYAR, Jn. N. Y. Ent. Soc., vii, 208, 1899.

4090. **beutenmülleri** HY. EDWARDS, Can. Ent., xix, 145, 1887; NEUMOEGEN & DYAR, C. 71. Atl. States.

ALARODIA Möschler.

MÖSCHLER, Abhl. Sencken. Ges., xiv, 3 Heft, 35, 1886.

4091. **slossoniæ** PACKARD, Ent. News, iv, 169, 1893; NEUMOEGEN & DYAR, C. 111; DYAR, Jn. N. Y. Ent. Soc., v, 122, 1897; vi, 158, 1898. Fla.

PROLIMACODES Schaus.

SCHAUS, Jn. N. Y. Ent. Soc., iv, 56, 1896.

4092. **scapha** HARRIS, Rep. Ins. Mass., 303, 1841; NEUMOEGEN & DYAR, C. 73; DYAR, Jn. N. Y. Ent. Soc., iv, 172, 1896. Atl. States.
syn. *undifera* WALKER.
- *4093. **trigona** HY. EDWARDS, Pap., ii, 12, 1882; NEUMOEGEN & DYAR, C. 73. Ariz.
syn. *telligii* BARNES, Can. Ent., xxiii, 46, 1900.

COCHLIDION Hübner.

HÜBNER, Tentamen, 1806; *Apoda* NEUMOEGEN & DYAR, C. 73.

4094. **biguttata** PACKARD, Proc. Ent. Soc. Phil., iii, 341, 1864; NEUMOEGEN & DYAR, C. 73; DYAR, Jn. N. Y. Ent. Soc., v, 167, 1897. Atl. States.
syn. *tetraspilaris* WALKER.

4095. *rectilinea* GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 188, 1868; NEUMOEGEN & DYAR, C. 73. Atl. States.
a. latomia HARVEY, Can. Ent., ix, 75, 1875; NEUMOEGEN & DYAR, C. 74.
4096. *y-inversa* PACKARD, Proc. Ent. Soc. Phil., iii, 461, 1864; NEUMOEGEN & DYAR, C. 74; DYAR & MORTON, Jr. N. Y. Ent. Soc., iii, 151, 1895. Atl. States.
a. parallela HY. EDWARDS, Ent. Amer., ii, 10, 1886.

LITHACODES Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 345, 1864.

4097. *fasciola* HERRICH-SCHAEFFER, Ausser. Schmett., i, f. 186, 1854; NEUMOEGEN & DYAR, C. 76; DYAR, Jr. N. Y. Ent. Soc., v, 1, 1897. Atl. States.
 syn. *divergens* WALKER, Trans. Ent. Soc. Lond., 82, 1862; SCHAUS, Proc. Zool. Soc. Lond., 650, 1896.
- a. laticlavia* CLEMENS, Proc. Acad. Nat. Sci. Phil., xii 157, 1860.

PACKARDIA Grote & Robinson.

GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 373, 1866; NEUMOEGEN & DYAR, C. 76.

4098. *elegans* PACKARD, Proc. Ent. Soc. Phil., iii, 342, 1864; NEUMOEGEN & DYAR, C. 76; DYAR, Jr. N. Y. Ent. Soc., vi, 5, 1898. Atl. States.
 syn. *nigripunctata* GOODELL.
- a. fusca* PACKARD, Proc. Ent. Soc. Phil., iii, 343, 1864.
4099. *geminata* PACKARD, Proc. Ent. Soc. Phil., iii, 343, 1864; NEUMOEGEN & DYAR, C. 109; DYAR, Jr. N. Y. Ent. Soc., vi, 2, 1898. Atl. States.
4100. *albipunctata* PACKARD, Proc. Ent. Soc. Phil., iii, 344, 1864; NEUMOEGEN & DYAR, C. 109. Atl. States.
 syn. *goodellii* GROTE.
- a. ocellata* GROTE, Proc. Ent. Soc. Phil., iv, 322, 1864.

HETEROGENEA Knoch.

KNOCH, Beitr. Ins., iii, 60, 1793; NEUMOEGEN & DYAR, C. 74.

4101. *shurtleffi* PACKARD, Proc. Ent. Soc. Phil., iii, 346, 1864; NEUMOEGEN & DYAR, C. 74; DYAR, Jr. N. Y. Ent. Soc., vi, 241, 1898. Atl. States.

KRONÆA Reakirt.

REAKIRT, Proc. Ent. Soc. Phil., iii, 347, 1864; NEUMOEGEN & DYAR, C. 75.

- *4102. *minuta* REAKIRT, Proc. Ent. Soc. Phil., iii, 251, Atl.
1864; NEUMOEGEN & DYAR, C. 75. States.

TORTRICIDIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 347, 1864; NEUMOEGEN & DYAR, C. 75.

4103. *fiskeana* DYAR, Ent. News, x, 333, 1900. Atl. States.
4104. *græfi* PACKARD, Ent. Amer., iii, 52, 1887. Tex.
4105. *flexuosa* GROTE, No. Am. Ent., i, 60, 1880; DYAR, Atl.
Jn. N. Y. Ent. Soc., vi, 94, 1898. States.
a. cæsonia GROTE, No. Am. Ent., i, 60, 1880;
NEUMOEGEN & DYAR, C. 74.
4106. *testacea* PACKARD, Proc. Ent. Soc. Phil., iii, 348, Atl.
1864; NEUMOEGEN & DYAR, C. 75; DYAR, Jn. States.
N. Y. Ent. Soc., vi, 151, 1898.
a. crypta DYAR, Proc. U. S. Nat. Mus., xxv, 395, Col.
1902.
4107. *pallida* HERRICH-SCHAEFFER, Ausser. Schmett., Atl.
f. 183, 1854; NEUMOEGEN & DYAR, C. 75; DYAR, States.
Jn. N. Y. Ent. Soc., vi, 155, 1898.
a. flavula HERRICH-SCHAEFFER, Ausser. Schmett.,
f. 185, 1854.

Family MEGALOPYGIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 109-110, 1894.)

CARAMA Walker.

WALKER, Cat. Brit. Mus., iv, 843, 1855; NEUMOEGEN & DYAR, C. 109.

4108. *cretata* GROTE, Proc. Ent. Soc. Phil., iii, 524, Atl.
1864; NEUMOEGEN & DYAR, C. 110; DYAR, Jn. States.
N. Y. Ent. Soc., x, 54, 1902.
syn. pura BUTLER, Trans. Ent. Soc. Lond., 64,
1878; DYAR, Can. Ent., xxvii, 14, 1895.

MEGALOPYGE Hübner.

HÜBNER, Verz. bek. Schmett., 185, 1822; NEUMOEGEN & DYAR, C. 110.

4109. *opercularis* SMITH & ABBOT, Lep. Ins. Ga., ii, 53, So. Atl.
1797; NEUMOEGEN & DYAR, C. 110. States.
syn. lunuginosa CLEMENS, *subcitrina* WALKER

LAGOA Harris.

HARRIS, Rep. Ins. Mass., 205, 1841; DYAR, Can. Ent., xxix, 67, 1897.

4110. *crispata* PACKARD, Proc. Ent. Soc. Phil., iii, 335, Atl.
1864; NEUMOEGEN & DYAR, C. 110. States.
4111. *pyxidifera* SMITH & ABBOT, Lep. Ins. Ga., ii, pl. So. Atl.
54, 1797; NEUMOEGEN & DYAR, C. 110. States.

TROSIA Hübner.

HÜBNER, Verz. bek. Schmett., 196, 1822; DYAR, Jn. N. Y. Ent. Soc., vii, 173, 1899.

4112. *obsolescens* DYAR, Jn. N. Y. Ent. Soc., vii, 173, Ariz.
1899.

Family DALCERIDÆ.

DALCERIDES Neumoegen & Dyar.

NEUMOEGEN & DYAR, Can. Ent., xxv, 121, 1893; DYAR, Jn. N. Y. Ent. Soc., vi, 232, 1898.

- *4113. *ingenita* HY. EDWARDS, Pap., ii, 12, 1882; NEU- Ariz.
MOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 111,
1894.

Family EPIPYROPIDÆ.

EPIPYROPS Westwood.

WESTWOOD, Trans. Ent. Soc. Lond., 522, 1876; KIRBY, Cat. Lep. Het., i, 490, 1892.

4114. *barberiana* DYAR, Proc. Ent. Soc. Wash., v, 43, N. Mex.
1902.

Family PYROMORPHIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 63, 1894.)

ACOLOITHUS Clemens.

CLEMENS, Proc. Acad. Nat. Soc. Phil., 539, 1860; NEUMOEGEN & DYAR, C. 63.

4115. *falsarius* CLEMENS, Proc. Acad. Nat. Sci. Phil., Atl.
540, 1860; NEUMOEGEN & DYAR, C. 63. States.
syn. *sanborni* PACKARD.
4116. *rectarius* DYAR, Jn. N. Y. Ent. Soc., vi, 44, 1898. Ariz.

PYROMORPHA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Ausser. Schmett., i, p. 6, 1854; NEUMOEGEN & DYAR, C. 63.

4117. *dimidiata* HERRICH-SCHAEFFER, Ausser. Atl.
Schmett., f. 222, 1855; NEUMOEGEN & DYAR, States.
C. 63.
syn. *perlucidula* CLEMENS.

- *4118. *centralis* WALKER, Cat. Brit. Mus., ii, 288, 1854. Mex., Fla.?
syn. *notha* HY. EDWARDS, Ent. Amer., i, 128,
1885.

TRIPROCRIS Grote.

GROTE, Bull. Buff. Soc., i, 35, 1873; NEUMOEGEN & DYAR, C. 63.

4119. *fusca* HY. EDWARDS, Pap., iv, 43, 1884; NEUMOE- Ariz.
GEN & DYAR, C. 64.
4120. *rata* HY. EDWARDS, Pap., ii, 124, 1882; NEUMOE Ariz.
GEN & DYAR, C. 64.
4121. *latercula* HY. EDWARDS, Pap., ii, 124, 1882; NEU- Ariz.
MOEGEN & DYAR, C. 64.
4122. *constans* HY. EDWARDS, Pap., i, 81, 1881; NEU- Ariz.
MOEGEN & DYAR, C. 64.
- a. sancta* NEUMOEGEN & DYAR, Jn. N. Y. Ent. N. Mex.
Soc., ii, 64, 1894.
4123. *smithsonianus* CLEMENS, Proc. Acad. Nat. Sci. Rocky Mts.,
Phil., 540, 1860; NEUMOEGEN & DYAR, C. 64; Tex.
DYAR, Proc. Ent. Soc. Wash., v, 33, 1902.
4124. *marteni* FRENCH, Pap., iii, 191, 1883; NEUMOE- Rocky
GEN & DYAR, C. 65. Mts.
- *4125. *aversus* HY. EDWARDS, Pap., iv, 13, 1884. Mex., Ariz.
4126. *lustrans* BEUTENMÜLLER, Bull. Am. Mus. Nat. Col.,
Hist., vi, 367, 1894; NEUMOEGEN & DYAR, C. 172. Mex.

HARRISINA Packard.

PACKARD, Proc. Essex Ins., iv, 31, 1864; NEUMOEGEN & DYAR, C. 65.

4127. *coracina* CLEMENS, Proc. Acad. Nat. Sci. Phil., Tex.,
539, 1860; NEUMOEGEN & DYAR, C. 65. Ariz.
syn. *nigrina* GRAEF.
4128. *metallica* STRETCH, Ent. Amer., i, 102, 1885; NEU- Tex.,
MOEGEN & DYAR, C. 66. Ariz.
4129. *americana* GUÉRIN-MÉNEVILLE, Icon. Règ. An. Atl.
Ins., 500, 1829; NEUMOEGEN & DYAR, C. 65. States.
syn. *texana* STRETCH.
- a. australis* STRETCH, Ent. Amer., i, 102, 1885;
NEUMOEGEN & DYAR, C. 65.

Family CHALCOSIDÆ.

INGLA Walker.

WALKER, Cat. Brit. Mus., xxxi, 128, 1864.

4130. *laterculæ* DYAR, Jn. N. Y. Ent. Soc., viii, 32, 1900. Ariz.

Family THYRIDÆ.

(C.=HAMPSON, Proc. Zool. Soc. Lond., 603-633, 1897.)

THYRIS Laspeyres.

LASPEYRES, Ill. Mag., ii, 39, 1803; HAMPSON, C. 606.

4131. *maculata* HARRIS, Am. Jn. Sci., xxxvi, 313, 1836; Atl.
HAMPSON, C. 607. States.

syn. *perspicua* WALKER.

4132. *lugubris* BOISDUVAL, Spec. Gén., pl. 14, f. 11, Atl.
1852; i, 490, 1874; HAMPSON, C. 607. States.

syn. *sepulchralis* BOISDUVAL, *nevada* OBER
THUR.

DYSODIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 389, 1860; HAMPSON, C. 608.

- *4133. *vitrina* BOISDUVAL, Mon. Zyg., pl. 1, f. 5, 1829; U. S.
HAMPSON, C. 609.

4134. *oculatana* CLEMENS, Proc. Acad. Nat. Sci. Phil., U. S.
349, 1860; HAMPSON, C. 609.

syn. *plena* WALKER, *fasciata* GROTE & ROB-
INSON, *montana* HY. EDWARDS, *aurea* PA-
GENSTECHER.

- *4135. *granulata* NEUMOEGEN, Pap., iii, 137, 1883. Ariz.

- *4136. *speculifera* SEPP, Surin. Vlind., iii, pl. 135, 1830; Fla.,
HAMPSON, C. 609. So. Am.

syn. *equalis* WALKER, *flagrata* WALKER,
thyridina FELDER, *floridana* HULST.

HEXERIS Grote.

GROTE, Can. Ent., vii, 176, 1875; HAMPSON, C. 627.

4137. *enhydris* GROTE, Can. Ent., vii, 176, 1875; Fla.,
HAMPSON, C. 627. Cal.

syn. *reticulina* BEUTENMÜLLER.

BELNOPTERA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Ausser. Schmett., 76, 1858; HAMPSON, C. 628.

- *4138. *fratercula* PAGENSTECHER, Iris, v, 95, 1892; Cal.
HAMPSON, C. 629.

MESKEA Grote.

GROTE, Can. Ent., ix, 114, 1877; HAMPSON, C. 631.

4139. *dyspteraria* GROTE, Can. Ent., ix, 115, 1877; Fla.
HAMPSON, C. 632.

THYRIDOPYRALIS Dyar.

DYAR, Jn. N. Y. Ent. Soc., ix, 23, 1901.

4140. *gallærandialis* DYAR, Jn. N. Y. Ent. Soc., ix, 23, 1901. Fla.

Family COSSIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 160-166, 1894.)

ZEUZERA Latreille.

LATREILLE, Dict. Hist. Nat., xxiv, 186, 1804; NEUMOEGEN & DYAR, C. 160.

4141. *pyrina* LINNÆUS, Faun. Succ., 306, 1701; NEUMOEGEN & DYAR, C. 160. Atl. States, Eur.
 syn. *hypocaustrina* PODA, *resculi* LINNÆUS,
hilaris FOURCROY *decipiens* KIRBY.

COSSUS Fabricius.

FABRICIUS, Ent. Syst., iii, (2), 8, 1794; NEUMOEGEN & DYAR, C. 161.

4142. *centerensis* LINTNER, Can. Ent., ix, 129, 1877; NEUMOEGEN & DYAR, C. 161. Atl. States.
4143. *undosus* LINTNER, Rept. N. Y. Sta. Mus., xxx, 243, 1878; NEUMOEGEN & DYAR, C. 161. Rocky Mts.
 syn. *brucei* FRENCH.
4144. *populi* WALKER, Cat. Brit. Mus., vii, 1515, 1856; NEUMOEGEN & DYAR, C. 162. Can., Nev., Pac. States.
 syn. *angrezi* BAILEY.
a. ore STRECKER, Proc. Acad. Nat. Sci. Phil., 282, 1893; NEUMOEGEN & DYAR, C. 162.
- *4145. *perplexus* NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 31, 1893. Col.
- *4146. *mucidus* HY. EDWARDS, Pap., ii, 126, 1882; NEUMOEGEN & DYAR, C. 162. Ariz.

PRIONOXYSTUS Grote.

GROTE, Check List, 63, 1882; NEUMOEGEN & DYAR, C. 163.

4147. *robiniaë* PECK, Mass. Agr. Rept., v, 67, 1818; NEUMOEGEN & DYAR, C. 163. U. S.
 syn. *plagiatus* WALKER, *crepera* GROTE, *reticulatus* LINTNER, *zaboliensis* STRECKER, Lep. Rhop. Het., suppl. 1, 5, 1898.
a. quercus EHRMAN, Can. Ent., xxv, 251, 1893.

4148. *macmurtrei* GUÉRIN-MÉNEVILLE, Icon. Règ. An. Atl. States.
 Ins., pl. 85, f. 2, 1829; NEUMOEGEN & DYAR, C. 163.
syn. querciperda FITCH.

INGUROMORPHA Hy. Edwards.

HY. EDWARDS, Ent. Amer., iii, 182, 1887.

4149. *basalis* WALKER, Cat. Brit. Mus., vii, 1523, Fla.,
 1856; NEUMOEGEN & DYAR, C. 163. Mex.
syn. slossoni HY. EDWARDS.
4150. *arbeloides* DYAR, Ent. News, x, 129, 1899. Ariz.

COSSULA Bailey.

BAILEY, Pap., ii, 93, 1882; NEUMOEGEN & DYAR, C. 163.

4151. *magnifica* STRECKER, Proc. Acad. Nat. Sci. Fla.,
 Phil., 151, 1876; NEUMOEGEN & DYAR, C. 163. Mex.
syn. magnifica BAILEY, *novar* DRUCE, Biol.
 Cent. Am., Lep. Het., ii, 450, pl. 89, f. 6,
 1891.

HYOPTA Hübner.

HÜBNER, Verz. bek. Schmett., 195, 1822; NEUMOEGEN & DYAR, C. 164.

4152. *manfredi* NEUMOEGEN, Pap., iii, 139, 1884. Ariz.,
 N. Mex.
4153. *theodori* DYAR, Cat. Ent., xxv, 220, 1893. Ariz.,
 N. Mex.
4154. *bertholdi* GROTE, Bull. Brook. Ent. Soc., iii, 45, Col.,
 1880; RIVERS & DYAR, Psyche, viii, 10, 1897. Cal.
- *4155. *ethela* NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., Col.
 i, 32, 1893.
4156. *henrici* GROTE, Pap., ii, 131, 1882. Ariz.,
 N. Mex.
- *4157. *cornelia* NEUMOEGEN & DYAR, Jn. N. Y. Ent. Col.
 Soc., i, 32, 1893.
- *4158. *edwardi* NEUMOEGEN & DYAR, Jn. N. Y. Ent. Col.
 Soc., i, 32, 1893.
- *4159. *nanus* STRECKER, Proc. Acad. Nat. Sci. Phil., Col.
 151, 1876; NEUMOEGEN & DYAR, C. 166.
4160. *anna* DYAR, Ent. News, ix, 214, 1898. Fla.
- *4161. *itzalana* STRECKER, Lep. Rhop. Het., suppl. 3, Ariz.
 30, 1900.

Family SESIIDÆ.

(C. = BEUTENMÜLLER, Mon. Ses. No. Am., Mem. Am. Mus. Nat. Hist. N. Y., i, 217-352, 1901.)

MELITTTIA Hübner.

HÜBNER, Verz. bek. Schmett., 128, 1816; BEUTENMÜLLER, C. 231.

4162. **satyriniformis** HÜBNER, Zutr. exot. Schmett., f. U. S.
453, 1825; BEUTENMÜLLER, C. 232.
syn. *cucurbitæ* HARRIS, *ceto* WESTWOOD, *amana*
HY. EDWARDS.
4163. **snowii** HY. EDWARDS, Pap., ii, 53, 1882; BEUTEN- Kans.
MÜLLER, C. 234.
4164. **gloriosa** HY. EDWARDS, Bull. Brook. Ent. Soc., So. Cal.,
iii, 71, 1880; BEUTENMÜLLER, C. 235. Ariz.
- *4165. **grandis** STRECKER, Can. Ent., xiii, 156, 1881; Ariz.,
BEUTENMÜLLER, C. 235. Tex.
- *4166. **magnifica** BEUTENMÜLLER, Bull. Am. Nat. Hist., Tex.
xii, 151, 1899; C. 236.

GÆA Beutenmüller.

BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., viii, 115, 1896; C. 236.

- *4167. **emphytiformis** WALKER, Cat. Brit. Mus., viii, 43, (Unknown.)
1856; BEUTENMÜLLER, C. 237.
- *4168. **solituda** HY. EDWARDS, Pap., i, 182, 1881; Tex.,
BEUTENMÜLLER, C. 238. Kans.

EUHAGENA Hy. Edwards.

HY. EDWARDS, Pap., i, 181, 1881; BEUTENMÜLLER, C. 238.

4169. **nebraskæ** HY. EDWARDS, Pap., i, 181, 1881; Nebr.,
BEUTENMÜLLER, C. 239. Col.

ALCOTHOE Hy. Edwards.

HY. EDWARDS, Pap., ii, 53, 1882; BEUTENMÜLLER, C. 239.

4170. **caudata** HARRIS, Am. Jn. Arts & Sci., xxxvi, 311, Atl.
1839; BEUTENMÜLLER, C. 240. States.
a. walkeri NEUMOEGEN, Ent. News, v, 331, 1894.
4171. **korites** DRUCE, Biol. Cent. Am., Lep. Het., i, 34, Col.,
1884; BEUTENMÜLLER, C. 241. Mex.

SANNINA Walker.

WALKER, Cat. Brit. Mus., viii, 64, 1856; BEUTENMÜLLER, C. 242.

4172. *uroceriformis* WALKER, Cat. Brit. Mus., viii, 64, 259, 1856; BEUTENMÜLLER, C. 242. So. Atl. States.
syn. *quinquecaudata* RIDINGS.

PODOSESIA Möschler.

MÖSCHLER, Stett. ent. Zeit., xxxvii, 312, 1876; BEUTENMÜLLER, C. 243.

4173. *syringæ* HARRIS, Am. Jn. Arts & Sci., xxxvi, 311, 1838; BEUTENMÜLLER, C. 244. Atl. States.
syn. *longipes* MÖSCHLER.
4174. *fraxini* LUGGER, Psyche, vi, 109, 1891; BEUTENMÜLLER, C. 245. Mont., Dak.

MEMYTHRUS Newman.

NEWMAN, Sphinx Vesp., Ess., 1832; BEUTENMÜLLER, C. 245.

- *4175. *tricinctus* HARRIS, Am. Jn. Arts & Sci., xxx, 310, 1839; BEUTENMÜLLER, C. 247. Atl. States.
- *4176. *denotatus* HY. EDWARDS, Pap., ii, 55, 1882; BEUTENMÜLLER, C. 248. Rocky Mts.
4177. *robiniaæ* HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 72, 1880; BEUTENMÜLLER, C. 248. Nev., Cal., Wash.
4178. *cupressi* HY. EDWARDS, Pap., i, 183, 1881; BEUTENMÜLLER, C. 249. Utah, Col., Ariz.
- *4179. *polistiformis* HARRIS, Am. Pom. Soc., 10, 1854; BEUTENMÜLLER, C. 249. Atl. States.
- *4180. *scepsiformis* HY. EDWARDS, Pap., i, 183, 1881; BEUTENMÜLLER, C. 250. So. Atl. States.
- *4181. *simulans* GROTE, Bull. Brook. Ent. Soc., iii, 78, 1881; BEUTENMÜLLER, C. 250. Atl. States.
- *4182. *palmii* HY. EDWARDS, Can. Ent., ix., 145, 1887; BEUTENMÜLLER, C. 251. Fla.
4183. *asilipennis* BOISDUVAL, Guér. Règ. An., ii, 496, 1829; BEUTENMÜLLER, C. 252. Atl. States.
syn. *respipenne* HERRICH-SCHAEFFER, *denudatum* HARRIS, *bombyciformis* WALKER.
4184. *dollii* NEUMOEGEN, Ent. News, v, 330, 1894; BEUTENMÜLLER, C. 252. Atl. States.
a. castaneum BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., ix, 213, 1897.

- *4185. *seminole* NEUMOEGEN, Ent. News, v, 330, 1894; Fla.
BEUTENMÜLLER, C. 253.
- *4186. *admirandus* HY. EDWARDS, Pap., ii, 54, 1882; BEU- Tex.
TENMÜLLER, C. 254.

PALMIA Beutenmüller.

BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., viii, 123, 1896; C. 254.

- *4187. *præcedens* HY. EDWARDS, Pap., iii, 155, 1883; N. C.
BEUTENMÜLLER, C. 255.

ÆGERIA Fabricius.

FABRICIUS, Ill. Mag., vi, 288, 1807; BEUTENMÜLLER, C. 255.

4188. *apiformis* CLERCK, Icon., pl. 4, f. 2, 1759; BEU- No. U. S.,
TENMÜLLER, C. 256. Eur.
- syn. *vespiformis* HUFNAGEL, *crabroniformis*
DENIS & SCHIFFERMÜLLER.
- *4189. *pacifica* HY. EDWARDS, Pap., i, 180, 1881; BEU- Pac. States,
TENMÜLLER, C. 259. Mont.
4190. *tibialis* HARRIS, Am. Jn. Arts & Sci., xxxvi, 306, No.
1839; BEUTENMÜLLER, C. 259. U. S.
- syn. *flavitibia* WALKER, *minimum* NEUMOEGEN.

BEMBEZIA Hübner.

HÜBNER, Verz. bek. Schmett., 128, 1816; BEUTENMÜLLER, C. 260.

4191. *marginata* HARRIS, Am. Jn. Arts & Sci., xxxvi, No.
309, 1839; BEUTENMÜLLER, C. 260. U. S.
- syn. *pleciaformis* WALKER, *odyneripennis*
WALKER, *rubi* RILEY, *flavipes* HULST.
- a. albicoma* HULST, Bull. Brook. Ent. Soc., vi, 8,
1883.

VESPAMIMA Beutenmüller.

BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., vi, 87, 1894; C. 262.

4192. *sequoiæ* HY. EDWARDS, Pap., i, 181, 1881; BEU- Cal.,
TENMÜLLER, C. 263. Wash.
- syn. *pinorum* BEHRENS.

PARHAMONIA Beutenmüller.

BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., viii, 124, 1896; C. 264.

4193. *pini* KELLCOTT, Can. Ent., xiii, 5, 1881; BEU- No. Atl.
TENMÜLLER, C. 264. States.

SANNINOIDEA Beutenmüller.

BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., viii, 126, 1896; C. 265.

4194. *exitiosa* SAY, Jn. Acad. Nat. Sci. Phil., iii, 216, 1823; BEUTENMÜLLER, C. 266. Atl. States.
 syn. *persica* THOMAS, *pepsidiiformis* HÜBNER, *siphixiformis* BOISDUVAL.
a. fitchii HY. EDWARDS, Pap., ii, 55, 1882.
b. edwardsii BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., xii, 160, 1899.
c. luminosa NEUMOEGEN, Ent. News, v, 331, 1894.
4195. *opalescens* HY. EDWARDS, Pap., i, 199, 1881; BEUTENMÜLLER, C. 271. Pac. States.
 syn. *pacifica* RILEY.
4196. *græfi* HY. EDWARDS, Pap., i, 183, 1881; BEUTENMÜLLER, C. 271. Col., Nev., Wash.
a. barnesii BEUTENMÜLLER, C. 272, 1901.

ALBUNA Hy. Edwards.

HY. EDWARDS, Pap., i, 186, 1881; BEUTENMÜLLER, C. 272.

4197. *pyramidalis* WALKER, Cat. Brit. Mus., viii, 40, 1856; BEUTENMÜLLER, C. 273. U. S.
 syn. *hylotomiformis* WALKER, *vancouverensis* HY. EDWARDS.
a. montana HY. EDWARDS, Pap., i, 188, 1881.
 syn. *tanacetii* HY. EDWARDS.
b. rubescens HULST, Bull. Brook. Ent. Soc., iii, 76, 1881.
c. coloradensis HY. EDWARDS, Pap., i, 189, 1881.
 syn. *torva* HY. EDWARDS.
4198. *fraxini* HY. EDWARDS, Pap., i, 185, 1881; BEUTENMÜLLER, C. 275. Wash.
 syn. *morrisonii* HY. EDWARDS.

SESIA Fabricius.

FABRICIUS, Syst. Ent., 549, 1775; BEUTENMÜLLER, C. 275.

4199. *mellinipennis* BOISDUVAL, Spec. Gén., ii, pl. 14, f. 12, 1836; BEUTENMÜLLER, C. 279. Cal., Col.
 syn. *resplendens* HY. EDWARDS, *artemisixæ* HY. EDWARDS, *senecioides* HY. EDWARDS.
- *4200. *giliæ* HY. EDWARDS, Pap., i, 200, 1881; BEUTENMÜLLER, C. 279. Rocky Mts.
 syn. *vitrina* NEUMOEGEN, *deceptiva* BEUTENMÜLLER.

4201. *rileyana* HY. EDWARDS, Pap., i, 187, 1881; BEUTENMÜLLER, C. 280. Atl. & Pac. States, Mont.
syn. *brunneipennis* HY. EDWARDS, *hyperici* HY. EDWARDS.
- *4202. *mimuli* HY. EDWARDS, Pap., i, 200, 1881; BEUTENMÜLLER, C. 281. Col.
4203. *rutilans* HY. EDWARDS, Pap., i, 186, 1881; BEUTENMÜLLER, C. 281. U. S.
syn. *aureola* HY. EDWARDS, *hemizonæ* HY. EDWARDS, *lupini* HY. EDWARDS, *perplexa* HY. EDWARDS, *impropria* HY. EDWARDS, *washingtonia* HY. EDWARDS, *madarivæ* HY. EDWARDS.
4204. *arctica* BEUTENMÜLLER, Can. Ent., xxxii, 277, 1900; C. 283. Alaska.
- *4205. *neglecta* HY. EDWARDS, Pap., i, 197, 1881; BEUTENMÜLLER, C. 283. Cal., Wash.
- *4206. *refulgens* HY. EDWARDS, Pap., i, 199, 1881; BEUTENMÜLLER, C. 283. Ga.
4207. *bassiformis* WALKER, Cat. Brit. Mus., viii, 39, 1856; BEUTENMÜLLER, C. 284. Atl. States, Col.
syn. *lustrans* GROTE, *consimilis* HY. EDWARDS, *bollii* HY. EDWARDS, *eupatorii* HY. EDWARDS, *scarfasciata* HY. EDWARDS, *infirmata* HY. EDWARDS.
4208. *tipuliformis* CLERCK, Icones, pl. 4, f. 1, 1759; BEUTENMÜLLER, C. 285. U. S., Eur., etc.
4209. *arizonæ* BEUTENMÜLLER, Jn. N. Y. Ent. Soc., vi, 240, 1898; C. 288. Tex., Ariz.
- *4210. *morula* HY. EDWARDS, Pap., i, 196, 1881; BEUTENMÜLLER, C. 288. Tex.
- *4211. *novaroensis* HY. EDWARDS, Pap., i, 199, 1881; BEUTENMÜLLER, C. 289. Cal., Wash.
- *4212. *rubrofascia* HY. EDWARDS, Pap., i, 191, 1881; BEUTENMÜLLER, C. 289. Ga.
- *4213. *bolteri* HY. EDWARDS, Pap., iii, 155, 1883; BEUTENMÜLLER, C. 290. Atl. States.
- *4214. *fulvipes* HARRIS, Am. Jn. Arts & Sci., xxxvi, 312, 1839; BEUTENMÜLLER, C. 290. No. Atl. States.
- *4215. *saxifragæ* HY. EDWARDS, Pap., i, 190, 1881; BEUTENMÜLLER, C. 291. Lab., Col.
syn. *henshawii* HY. EDWARDS.

4216. **pictipes** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 182, 1868; BEUTENMÜLLER, C. 291.
syn. *inuitata* HY. EDWARDS. U. S.
4217. **albicornis** HY. EDWARDS, Pap., i, 201, 1881; BEUTENMÜLLER, C. 292. U. S.
syn. *proxima* HY. EDWARDS, *modesta* KEL-
COTT, BEUTENMÜLLER, C. 344.
- *4218. **americana** BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., viii, 136, 1896; C. 293. Nev.,
B. C.
4219. **culiciformis** LINNÆUS, Syst. Nat., 493, 1758; BEUTENMÜLLER, C. 294. Alaska,
Eur.
- *4220. **tepperi** HY. EDWARDS, Pap., i, 203, 1881; BEUTENMÜLLER, C. 294. Ga.
4221. **acerni** CLEMENS, Proc. Acad. Nat. Sci. Phil., 14, 1860; BEUTENMÜLLER, C. 294. Atl.
States.
syn. *acericolum* GERMAR.
4222. **corni** HY. EDWARDS, Pap., i, 190, 1881; BEUTENMÜLLER, C. 296. Atl.
States.
- *4223. **aureopurpurea** HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 72, 1880; BEUTENMÜLLER, C. 296. Tex.
4224. **pyri** HARRIS, N. E. Farmer, ix, 2, 1830; BEUTENMÜLLER, C. 297. Atl.
States.
syn. *koebeli* HY. EDWARDS.
4225. **scitula** HARRIS, Am. Jn. Arts & Sci., xxxvi, 313, 1839; BEUTENMÜLLER, C. 298. Atl.
States.
syn. *gallivorum* WESTWOOD, *hospes* WALSH,
æmula HY. EDWARDS.
- *4226. **ithacæ** BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., ix, 215, 1897; C. 299. N. Y.
4227. **corusca** HY. EDWARDS, Pap., i, 193, 1881; BEUTENMÜLLER, C. 299. Tex.
4228. **decipiens** HY. EDWARDS, Pap., i, 197, 1881; BEUTENMÜLLER, C. 300. Col.,
Tex.
syn. *imperfecta* HY. EDWARDS, *nicotianæ* HY. EDWARDS.
4229. **rubristigma** KELICOTT, Can. Ent., xxiv, 211, 1892; BEUTENMÜLLER, C. 301. Atl.
States.
4230. **querci** HY. EDWARDS, Pap., ii, 98, 1882; BEUTENMÜLLER, C. 301. Ariz.
syn. *quercus* HY. EDWARDS.
- *4231. **prosopis** HY. EDWARDS, Pap., ii, 99, 1882; BEUTENMÜLLER, C. 302. Ariz.

- *4232. *tecta* HY. EDWARDS, Pap., ii, 56, 1882; BEUTENMÜLLER, C. 302. Ariz.
- *4233. *candescens* HY. EDWARDS, Pap., ii, 123, 1882; BEUTENMÜLLER, C. 303. Ariz.
- *4234. *sigmoidea* HY. EDWARDS, Pap., ii, 56, 1882; BEUTENMÜLLER, C. 303. N. H.,
Mass.
4235. *tacoma* BEUTENMÜLLER, Jn. N. Y. Ent. Soc., vi, 240, 1898; C. 304. Wyo.,
Wash.
- *4236. *texana* HY. EDWARDS, Pap., i, 204, 1881; BEUTENMÜLLER, C. 304. Fla.,
Tex.
syn. *wittfeldii* HY. EDWARDS.
4237. *seminole* BEUTENMÜLLER, Jn. N. Y. Ent. Soc., viii, 255, 1899; C. 305. Fla.
- *4238. *palmii* BEUTENMÜLLER, Jn. N. Y. Ent. Soc., x, 126, 1902. Ariz.
- *4239. *marcia* BEUTENMÜLLER, Jn. N. Y. Ent. Soc., vii, 254, 1889; C. 305. Fla.
4240. *præstans* HY. EDWARDS, Pap., ii, 98, 1882; BEUTENMÜLLER, C. 306. Wash.
4241. *fragariæ* HY. EDWARDS, Pap., i, 202, 1881; BEUTENMÜLLER, C. 307. Rocky
Mts.
syn. *orthocarpæ* HY. EDWARDS.
- *4242. *behrensii* HY. EDWARDS, Pap., ii, 123, 1882; BEUTENMÜLLER, C. 307. Cal.
syn. *dda* HY. EDWARDS, *helianthi* HY. EDWARDS.
- *4243. *mariona* BEUTENMÜLLER, C. 308, 1901. Col.
4244. *polygoni* HY. EDWARDS, Pap., i, 202, 1881; BEUTENMÜLLER, C. 308. Cal.
- *4245. *achillæ* HY. EDWARDS, Pap., i, 203, 1881; BEUTENMÜLLER, C. 308. Cal.
syn. *eremocarpæ* HY. EDWARDS.
- *4246. *floridensis* GROTE, Can. Ent., vii, 174, 1875; BEUTENMÜLLER, C. 309. Fla.
4247. *geliformis* WALKER, Cat. Brit. Mus., viii, 46, 1856; BEUTENMÜLLER, C. 309. Fla.,
Antilles.
4248. *sapygæformis* WALKER, Cat. Brit. Mus., viii, 45, 1856; BEUTENMÜLLER, C. 310. Fla.
4249. *animosa* HY. EDWARDS, Pap., iii, 156, 1883; BEUTENMÜLLER, C. 310. Ariz.
- *4250. *pyralidiformis* WALKER, Cat. Brit. Mus., viii, 44, 1856; BEUTENMÜLLER, C. 310. Atl.
States.
syn. *nigella* HULST.

- *4251. *sanborni* HY. EDWARDS, Pap., i, 185, 1881; BEUTENMÜLLER, C. 311. Mass.
4252. *ruficornis* HY. EDWARDS, Pap., i, 184, 1881; BEUTENMÜLLER, C. 311. So. States.
- *4253. *subærea* HY. EDWARDS, Pap., iii, 156, 1883; BEUTENMÜLLER, C. 312. Ariz.
- *4254. *nigra* BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., vi, 95, 1894; C. 312. Col., Utah.
- *4255. *verecunda* HY. EDWARDS, Pap., i, 190, 1881; BEUTENMÜLLER, C. 312. Col.
- *4256. *edwardsii* BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., vi, 92, 1894; C. 313. Col.

CALESESIA Beutenmüller.

BEUTENMÜLLER, Jn. N. Y. Ent. Soc., vii, 256, 1899; C. 314.

4257. *coccinea* BEUTENMÜLLER, Jn. N. Y. Ent. Soc., vi, 241, 1898; C. 314. N. Mex.

PARANTHRENE Hübner.

HÜBNER, Verz. bek. Schmett., 128, 1816; BEUTENMÜLLER, C. 314.

- *4258. *maculipes* GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 184, 1868; BEUTENMÜLLER, C. 315. Tex.
- *4259. *heucheræ* HY. EDWARDS, Pap., i, 205, 1881; BEUTENMÜLLER, C. 315. Cal., Tex.
syn. *potentillæ* HY. EDWARDS.
4260. *palmii* NEUMOEGEN, Ent. News, ii, 108, 1891; BEUTENMÜLLER, C. 316. Ariz.
4261. *canescens* HY. EDWARDS, Pap., i, 205, 1881; BEUTENMÜLLER, C. 316. Kans., Col.
- *4262. *mexicanus* BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., ix, 216, 1897; C. 316. N. Mex.

Family PYRALIDÆ.

Subfamily PYRAUSTINÆ

By C. H. FERNALD.

GLAPHRIA Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 29, 1823; DRUCE, Biol. Cent. Am., Lep. Het., ii, 267, 1895; *Homophysa* GUENÉE, Spec. Gén., viii, 364, 1854; LEDERER, Wien. ent. Mon., vii, 454, 1863; HAMPSON, Proc. Zool. Soc. Lond., 607, 1898.

4263. *glaphyralis* GUENÉE, Spec. Gén., viii, 366, 1854. No. Atl. States.
syn. *stipatalis* WALKER, Cat. Brit. Mus., xxxiv, 1460, 1865; *albolineata* GROTE & ROBINSON, Tr. Am. Ent. Soc., i, 28, 1867.

4264. *sesquistrialis* HÜBNER, Zutr. exot. Schm., ii, 29, 1823. Mo., Kans., Tex.
syn. *dimotalis* WALKER, Cat. Brit. Mus., xxxiv, 1346, 1865.
- *4265. *invisalis* GUENÉE, Spec. Gén., viii, 361, 1854. So. States.
syn. *lentiflualis* ZELLER, Verh. zool.-bot. Ges. So. Am.
Wien, xxii, 525, 1872.
- *4266. *psychicalis* HULST, Tr. Am. Ent. Soc., xiii, 149, 1886. Atl. States.
4267. *reluctalis* HULST, Tr. Am. Ent. Soc., xiii, 156, 1886. Ariz.
4268. *fulminalis* LEDERER, Wien. ent. Mon., vii, 487, 1863. Atl. States.
- *4269. *peremptalis* GROTE, Can. Ent., x, 28, 1878. Mass.

SCYBALISTA Lederer.

- LEDERER, Wien. ent. Mon., vii, 455, 1863; HAMPSON, Proc. Zool. Soc. Lond., 608, 1898; *Eupoca* WARREN, Ann. Mag. Nat. Hist., (6), viii, 63, 1891.
- *4270. *restionalis* LEDERER, Wien. ent. Mon., vii, 455, 1863. U. S., So. Am.

SYMPHYSA Hampson.

- HAMPSON, Proc. Zool. Soc. Lond., 609, 1898.
- *4271. *reniculalis* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 526, 1872. Mo., Tex.
4272. *eripalis* GROTE, Can. Ent., x, 29, 1878. Iowa, Tex., Oreg., Cal.
syn. *salutalis* HULST, Trans. Am. Ent. Soc., xiii, 150, 1886.

LIPOCOSMA Lederer.

- LEDERER, Wien. ent. Mon., vii, 448, 1863.
4273. *sicalis* WALKER, Cat. Brit. Mus., xix, 942, 1859. Atl. States.
syn. *perfusalis* WALKER, Cat. Brit. Mus., xxxiv, 1226, 1865.
- *4274. *fuliginosalis* FERNALD, Ent. Am., iv, 37, 1888. Atl. States.

HYMENIA Hübner.

- HÜBNER, Verz. bek. Schmett., 360, 1826; MEYRICK, Tr. Ent. Soc. Lond., 441, 1890; *Zinckenia* ZELLER, Lep. Caffr., 55, 1852; HAMPSON, Proc. Zool. Soc. Lond., 623, 1898; *Spoladea* GUENÉE, Spec. Gén., viii, 224, 1854.
4275. *perspectalis* HÜBNER, Schm. Eur., Pyr., f. 101, 1796; GUENÉE, Spec. Gén., viii, 226, 1854. U. S., So. Am., So. Afr., Austr.
syn. *animalis* GUENÉE, Spec. Gén., viii, 226, 1854; *exportalis* GUENÉE, Spec. Gén., viii, 227, 1854; *primordialis* ZELLER, Lep. Caffr., 56, 1852; *rhinthonalis* WALKER, Cat. Brit. Mus., xix, 932, 1859; *phrasiusalis* WALKER, Cat. Brit. Mus., xix, 944, 1859.

4276. *fascialis* CRAMER, Pap. Exot., iv, 236, 1782. U. S., So. Am.,
 syn. *angustalis* FABRICIUS, Mant. Ins., ii, 222, So. Eur.,
 1787; *recurvalis* FABRICIUS, Ent. Syst., iii, So. Afr.,
 2, 237, 1794; *diffascialis* HÜBNER, Verz. bek. Austr.
 Schmett., 361, 1826; *albifascialis* BOISDU-
 VAL, Faun. Ent. Mad., 119, 1834.

DESMIA Westwood.

WESTWOOD, Mag. Zool., ix, 1832; GUENÉE, Spec. Gén., viii, 188, 1854; CLEMENS, Proc. Acad. Nat. Sci. Phil., 215, 1860; LEDERER, Wien. ent. Mon., vii, 433, 1863.

4277. *funeralis* HÜBNER, Schm. Eur., Pyr., f. 103, Atl.
 1796. States.
 syn. *maculalis* WESTWOOD, Mag. Zool., ix, pl.
 2, 1832; CLEMENS, Proc. Acad. Nat. Sci.
 Phil., 215, 1860.
a. subdivisalis GROTE, Can. Ent., iii, 126, 1871.
4278. *tages* CRAMER, Pap. Exot., ii, 2, 1777; DYAR, Fla., W. I.,
 Journ. N. Y. Ent. Soc., ix, 22, 1901. So. Am.
 syn. *tagesalis* GUENÉE, Spec. Gén., viii, 291,
 1854; *propinqualis* MÖSCHLER, Verh. zool.-
 bot. Ges. Wien, xxxi, 430, 1881.

SYNCLERA Lederer.

LEDERER, Wien. ent. Mon., vii, 444, 1863; MOORE, Lep. Cey., iii, 315, 1866.

4279. *traducalis* ZELLER, Lep. Caffr., 54, 1852; MOORE, Fla., W. I.,
 Lep. Cey., iii, 316, 1866. So. Am.,
 syn. *retinalis* LEDERER, Wien. ent. Mon., i, So. Afr.,
 100, 1857; *jarbusalis* WALKER, Cat. Brit. So. Asia.
 Mus., xvii, 352, 1859; *univocalis* WALKER,
 Cat. Brit. Mus., xvii, 499, 1859; *coitalis*
 WALKER, Cat. Brit. Mus., xix, 964, 1859;
chlorophasma BUTLER, Proc. Zool. Soc.
 Lond., 493, 1878.

ERCTA Walker.

WALKER, Cat. Brit. Mus., xvii, 425, 1859; HAMPSON, Proc. Zool. Soc. Lond., 636,
 1898; *Spanista* LEDERER (not FÖRSTER), Wien. ent. Mon., vii, 445, 1863; *Hydris*
 MEYRICK, Tr. Ent. Soc. Lond., 443, 1885.

- *4280. *ornatalis* DUPONCHEL, Hist. Nat. Lép. Fr., viii, Fla., W. I.,
 2, 207, 1831. So. Am.,
 syn. *saturnalis* TREITSCHKE, Schm. Eur., x, So. Eur.,
 3, 29, 1835; *deciusalis* WALKER, Cat. Brit. So. Afr.,
 Mus., xix, 905, 1859; *invenustalis* WALKER, Austr.
 Cat. Brit. Mus., xxxiv, 1431, 1865; *fraterna*
 BUTLER, Ann. Mag. Nat. Hist., (4), xvi,
 415, 1875.

MARASMIA Lederer.

LEDERER, Wien. ent. Mon., vii, 385, 1863; HAMPSON, Proc. Zool. Soc. Lond., 638, 1898; *Dolichosticha* MEYRICK, Tr. Ent. Soc. Lond., 304, 1884; *Epimima* MEYRICK, Tr. Ent. Soc. Lond., 235, 1886; *Lasiacme* WARREN, Ann. Mag. Nat. Hist., (6), xviii, 176, 1896.

*4281. *cochrusalis* WALKER, Cat. Brit. Mus., xix, 959, 1859. Fla., W. I.,
So. Am.

syn. *azonialis* WALKER, Cat. Brit. Mus., xix, 985, 1859; *ruptalis* WALKER, Cat. Brit. Mus., xxxiv, 1391, 1865.

4282. *trapezalis* GUENÉE, Spec. Gén., viii, 200, 1854. Fla., Tex.,
W. I.,
So. Am.,
So. Afr.,
So. Asia.
syn. *creonalis* WALKER, Cat. Brit. Mus., xviii, 579, 1859; *neoclesalis* WALKER, Cat. Brit. Mus., xviii, 635, 1859; *suspicialis* WALKER, Cat. Brit. Mus., xviii, 667, 1859; *convectalis* WALKER, Cat. Brit. Mus., xxxiv, 141, 1865; *bifurcalis* SNELLEN, Tijd. v. Ent., 219, 1880.

4283. *floridalis* FERNALD, Journ. N. Y. Ent. Soc., ix, 49, 1901. Fla.

ANANIA Hübner.

HÜBNER, Zutr. exot. Schmett., iii, 27, 1823; *Syngania* GUENÉE, Spec. Gén., viii, 187, 1854; LEDERER, Wien. ent. Mon., vii, 434, 1863.

4284. *florella* CRAMER, Pap. Exot., iv, pl. 348, f. L. Fla., W. I.,
So. Am.

SAMEA Guenée.

GUENÉE, Spec. Gén., viii, 193, 1854; LEDERER, Wien. ent. Mon., vii, 379, 1863; HAMPSON, Proc. Zool. Soc. Lond., 647, 1898.

4285. *ecclesialis* GUENÉE, Spec. Gén., viii, 194, 1854. Fla., W. I.,
So. Am.
syn. *castellalis* GUENÉE, Spec. Gén., viii, 195, 1854; *luccusalis* WALKER, Cat. Brit. Mus., xix, 937, 1859; *disertalis* WALKER, Cat. Brit. Mus., xxxiv, 1302, 1865.

*4286. *multiplicalis* GUENÉE, Spec. Gén., viii, 227, 1854. Fla., W. I.,
So. Am.
syn. *discussalis* WALKER, Cat. Brit. Mus., xxxiv, 1302, 1865; *nivusalis* WALKER, Cat. Brit. Mus., xvii, 464, 1859.

DIASTICTIS Hübner.

HÜBNER, Zutr. exot. Schmett., i, 21, 1818; *Bocchoris* MOORE, Lep. Cey., iii, 271, 1886; HAMPSON, Proc. Zool. Soc. Lond., 649, 1898.

4287. *argyralis* HÜBNER, Zutr. exot. Schmett., i, 21, fig. 113, 1818. Atl.
States.

a. *ventralis* GROTE & ROBINSON, Tr. Am. Ent. Soc., i, 21, 1867.

4288. *fracturalis* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 509, 1872. Tex.,
Ariz.

- *4289. *cæcalis* WARREN, Ann. Mag. Nat. Hist., (6), ix, Cal.
434, 1892.
- *4290. *talis* GROTE, Can. Ent., x, 26, 1878. Ala.

PILOCROCIS Lederer.

LEDERER, Wien. ent. Mon., 430, 1863; HAMPSON, Proc. Zool. Soc. Lond., 655, 1898;
Ceratoclasia LEDERER, Wien. ent. Mon., vii, 430, 1863.

4291. *raimentalis* LEDERER, Wien. ent. Mon., vii, 430, N. Y., Fla.,
1863. So. Am.
syn. *perfuscalis* HULST, Tr. Am. Ent. Soc.,
xiii, 159, 1886.
- *4292. *tripunctata* FABRICIUS, Ent. Syst., iii, 2, 217, Fla.,
1794. Tex., W. I.
syn. *campalis* GUENÉE, Spec. Gén., viii, 345,
1854; *cubanalís* GUENÉE, Spec. Gén., viii,
345, 1854; *memmialis* WALKER, Cat. Brit.
Mus., xviii, 731, 1859.
- *4293. *plumbicostalis* GROTE, Can. Ent., iii, 103, 1871. Ala., Fla.
4294. *inguinalis* GUENÉE, Spec. Gén., viii, 346, 1854. Ala.,
syn. *thoasalis* WALKER, Cat. Brit. Mus., xviii, Fla., So. Am.
610, 1859; *anticostalis* GROTE, Can. Ent.,
iii, 104, 1871; *levalis* HULST, Tr. Am. Ent.
Soc., xiii, 152, 1896.
- *4295. *tristigmalis* HAMPSON, Proc. Zool. Soc. Lond., Fla.
759, 1898.

CONCHYLODES Guenée.

GUENÉE, Spec. Gén., viii, 288, 1854; LEDERER, Wien. ent. Mon., vii, 442, 1863;
HAMPSON, Proc. Zool. Soc. Lond., 674, 1898; *Ledereria* SNELLEN, Tijl. v. Ent., 256,
1875.

- *4296. *diphtheralis* GEYER, Zutr. exot. Schmett., iv, 24, Fla., Tex.,
f. 691, 1832. W. I.
4297. *platinalis* GUENÉE, Spec. Gén., viii, 282, 1854. So. Atl.
syn. *ovulalis* GUENÉE, Spec. Gén., viii, 283, States,
1854; *erinalis* WALKER, Cat. Brit. Mus., W. I.,
xvii, 474, 1859; *magicalis* FELDER, Reise So. Am.
Nov., pl. 135, f. 6, 1874; *concinimalis* HAMP-
SON, Proc. Zool. Soc. Lond., 675, 1898.

DICHOGAMA Lederer.

LEDERER, Wien. ent. Mon., vii, 396, 1863; HAMPSON, Proc. Zool. Soc. Lond., 676,
1898; *Carbacha* WALKER, Cat. Brit. Mus., xxiv, 1379, 1865; *Pleurasymphieza* MÖSCH-
LER, Abh. Senck. Ges., 146, 1890.

4297. 1. *redtenbacheri* LEDERER, Wien. ent. Mon., vii, Fla.,
396, 1863; DYAR, Can. Ent., xxii, 271, 1900. W. I.

4297. 2. *amabilis* MÖSCHLER, Abh. Senck. Ges., 296, 1890; DYAR, Jr. N. Y. Ent. Soc., ix, 20, 1901. Fla., W. I.
4297. 3. *bergii* MÖSCHLER, Abh. Senck. Ges., 297, 1890; DYAR, Jr. N. Y. Ent. Soc., ix, 21, 1901. Fla., W. I.

LAMPROSEMA Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 21, 1823.

- *4298. *lunulalis* HÜBNER, Zutr. exot. Schmett., ii, 21, 1823; GUENÉE, Spec. Gén., viii, 205, 1854. Tex., N. Mex.

HEDYLEPTA Lederer.

LEDERER, Wien. ent. Mon., vii, 409, 1863.

- *4299. *indicata* FABRICIUS, Syst. Ent., 640, 1775. Fla., W. I.,
So. Am.,
So. Africa,
So. Asia.
- syn. *vulgaris* GUENÉE, Spec. Gén., viii, 202, 1854; *sabalis* WALKER, Cat. Brit. Mus., xviii, 631, 1859; *maëusalis* WALKER, Cat. Brit. Mus., xviii, 703, 1859; *connexalis* WALKER, Cat. Brit. Mus., xxxiv, 1394, 1865; *reductalis* WALKER, Cat. Brit. Mus., xxxiv, 1412, 1865.

BLEPHAROMASTIX Lederer.

LEDERER, Wien. ent. Mon., vii, 422, 1863.

4300. *ebulealis* GUENÉE, Spec. Gén., viii, 196, 1854. Fla., W. I.
4301. *apicalis* GUENÉE, Spec. Gén., viii, 229, 1854. Tex., W. I.
- syn. *æniolalis* HULST, Trans. Am. Ent. Soc., xiii, 159, 1886.
4302. *ranalis* GUENÉE, Spec. Gén., viii, 243, 1854. U. S., W. I.,
So. Am.
- syn. *archasialis* WALKER, Cat. Brit. Mus., xvii, 365, 1859; *ofellusalis* WALKER, Cat. Brit. Mus., xviii, 732, 1859; *olliusalis* WALKER, Cat. Brit. Mus., xix, 982, 1859; *strictalis* WALKER, Cat. Brit. Mus., xxxiv, 1392, 1865; *gracilis* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 25, 1867; *datialis* DRUCE, Biol. Cent. Am., Lep. Het., ii, 269, 1895.
4303. *magnalis* GUENÉE, Spec. Gén., viii, 230, pl. ix, f. 6, 1854. Fla., Tex.,
W. I.
- syn. *medealis* WALKER, Cat. Brit. Mus., xvii, 353, 1859; *belusalis* WALKER, Cat. Brit. Mus., xviii, 582, 1859; *curtalis* WALKER, Cat. Brit. Mus., xxxiv, 1305, 1865.

4304. *stenialis* GUENÉE, Spec. Gén., viii, 231, 1854. So. Atl.
 States,
 syn. *acestialis* WALKER, Cat. Brit. Mus., xvii, W. I., Mex.,
 352, 1859; *phaeusalis* WALKER, Cat. Brit. So. Am.
 Mus., xvii, 368, 1859; *sagralis* DRUCE, Biol.
 Cent. Am., Lep. Het., ii, 270, 1895.

ASCIODES Guenée.

GUENÉE, Spec. Gén., viii, 374, 1854.

4305. *gordialis* GUENÉE, Spec. Gén., viii, 374, 1854; Fla., W. I.,
 DYAR, Journ. N. Y. Ent. Soc., ix, 20, 1901. So. Am.
 syn. *quietalis* WALKER, Cat. Brit. Mus., xix,
 825, 1859; *confusalis* HULST, Trans. Am.
 Ent. Soc., xiii, 158, 1886.
4306. *anormalis* GUENÉE, Spec. Gén., viii, 352, 1854; Fla., W. I.,
 DYAR, Journ. N. Y. Ent. Soc., ix, 20, 1901. So. Am.
 syn. *alvinalis* GUENÉE, Spec. Gén., viii, 352,
 1854; *helcitalis* WALKER, Cat. Brit. Mus.,
 xviii, 574, 1859; *orphnealis* WALKER, Cat.
 Brit. Mus., xviii, 736, 1859; *dracusalis*
 WALKER, Cat. Brit. Mus., xix, 983, 1859;
subæqualis WALKER, Cat. Brit. Mus., xxxiv,
 1394, 1865.

PANTOGRAPHIA Lederer.

LEDERER, Wien. ent. Mon., vii, 387, 1863.

4307. *limata* GROTE & ROBINSON, Ann. Lyc. Nat. Hist. Me., Mass.,
 N. Y., viii, 464, 1867; FERNALD, Can. Ent., xvi, Va., Minn.,
 26, 1884. Mex., So. Am.
 syn. *suffusalis* DRUCE, Biol. Cent. Am., Lep.
 Het., ii, 240, 1895.

SYLEPTA Hübner.

HÜBNER, Verz. bek. Schmett., 356, 1826.

- *4308. *penumbralis* GROTE, Can. Ent., ix, 106, 1877. Ohio, Fla.
4308. 1. *fluctuosalis* LEDERER, Wien. ent. Mon., vii, Fla.,
 473, 1863; DYAR, Proc. Ent. Soc. Wash., iv, 460, So. Am.
 1901.
4309. *obscuralis* LEDERER, Wien. ent. Mon., vii, 472, Fla.
 1863.
- *4310. *elevata* FABRICIUS, Ent. Syst., iii, 2, 216, 1794. Fla., W. I.,
 syn. *elevatis* GUENÉE, Spec. Gén., viii, 319, So. Am.
 1854.

LYGROPIA Lederer.

LEDERER, Wien. ent. Mon., vii, 381, 1863.

- *4311. *rivulalis* HAMPSON, Proc. Zool. Soc. Lond., 727, U. S.
1898.
- *4312. *chromalis* GUENÉE, Spec. Gén., viii, 204, 1854. Fla., So. Am.
syn. *principalis* LEDERER, Wien. ent. Mon.,
vii, 471, 1863.

AGATHODES Guenée.

GUENÉE, Spec. Gén., viii, 207, 1854; HAMPSON, Proc. Zool. Soc. Lond., 730, 1898;
Stenurges LEDERER, Wien. ent. Mon., vii, 416, 1863.

4313. *monstralis* GUENÉE, Spec. Gén., viii, 209, 1854. Fla., W. I.,
syn. *designalis* GUENÉE, Spec. Gén., viii, 209, Mex., So. Am.
1854; *floridalis* HULST, Trans. Am. Ent.
Soc., xiii, 156, 1886.

PARADOSIS Zeller.

ZELLER, Lep. Caffr., 58, 1854.

4314. *flegia* CRAMER, Pap. Exot., ii, 66, 1777; DYAR, Fla., W. I.,
Can. Ent., xxxii, 117, 1900. So. Am.
syn. *flegialis* POEY, Cent. Lep. Cuba, Dec. i,
1832; *phantasmalis* GUENÉE, Spec. Gén.,
viii, 310, 1854; *villosalis* ZELLER, Lep.
Caffr., 58, 1854.

DIAPHANIA Hübner.

HÜBNER, Zutr. exot. Schmett., i, 20, 1818; *Eudlioptis* HÜBNER, Zutr. exot. Schmett., ii,
24, 1823; *Margaronia* HÜBNER, Verz. bek. Schmett., 358, 1826; *Phakellura* GULDING,
Phil. Mag., vii, 206, 1830; *Glyphodes* GUENÉE, Spec. Gén., viii, 292, 1854.

- *4315. *olealis* FELDER, Reise Nov., pl. 135, f. 35, 1874. Fla., So. Am.
4316. *nitidalis* STOLL, Pap. Exot., iv, 160, 1781; suppl., So. States,
110, 1790; GUENÉE, Spec. Gén., viii, 299, 1854; W. I.,
RILEY, Mo. Rep., ii, 64, 1870; SAUNDERS, Ins. So. Am.
Inj. to Fruits, 367, 1889; LINTNER, N. Y. Rep.,
xi, 126, 1896; CHITTENDEN, Bull. no. 19, n. s.,
U. S. Dept. Ag., 41, 1899.
syn. *vitralis* HÜBNER, Zutr. exot. Schmett.,
20, 1818; *funosalis* GUENÉE, Spec. Gén.,
viii, 300, 1854; *praxialis* DRUCE, Biol. Cent.
Am., Lep. Het., ii, 231, 1895.

4317. *infimalis* GUENÉE, Spec. Gén., viii, 298, 1854; Fla.
DYAR, Jn. N. Y. Ent. Soc., ix, 20, 1901.

- *4318. *arguta* LEDERER, Wien. ent. Mon., vii, 478, No. Am.,?
1863. So. Am.

4319. *niveocilia* HAMPSON, Proc. Zool. Soc. Lond., 728, Fla., W. I.,
1898. So. Am.

4320. *hyalinata* LINNÆUS, Syst. Nat., ed. 12, i, 874, 1767; FABRICIUS, Ent. Syst., iii, 2, 213, 1794; SAUNDERS, Can. Ent., xv, 56, 1883; ASHMEAD, Bull. 14, U. S. Dept. Ag., 26, 1887; SAUNDERS, Ins. Inj. to Fruits, 365, 1889; LINTNER, N. Y. Rep., xi, 134, 1896; COMSTOCK, Man., 231, 1895.
syn. *marginalis* STOLL, Pap. Exot., iv, 160, 1781; *lucernalis* HÜBNER, Schm. Eur., Pyr., 20, pl. 17, f. 108, 1796; *hyalinatalis* GUENÉE, Spec. Gén., viii, 296, 1854; COMSTOCK, Rep. U. S. Dept. Ag., 218, 1879. U. S., Antilles, So. Am.
4321. *quadristigmalis* GUENÉE, Spec. Gén., viii, 304, 1854; RILEY, Ins. Life, i, 22, 1888. Atl. States, W. I., So. Am.
4322. *sibillalis* WALKER, Cat. Brit. Mus., xvii, 506, 1859; DYAR, Journ. N. Y. Ent. Soc., ix, 19, 1901. Fla., Tex., W. I., So. Am.
syn. *batesi* FELDER, Reise Nov., pl. 135, f. 29, 1874; *alitalis* HULST, Trans. Am. Ent. Soc., xiii, 157, 1886.

METREA Grote.

GROTE, Pap., ii, 73, 1882; HAMPSON, Proc. Zool. Soc. Lond., 757, 1898.

4323. *ostreonalis* GROTE, Pap., ii, 73, 1882. Can., Me., Mass., Pa.
syn. *urticaloides* FYLES, Can. Ent., xxvi, 184, 1894.

OMMATOSPILA Lederer.

LEDERER, Wien. ent. Mon., vii, 443, 1863; HAMPSON, Proc. Zool. Soc. Lond., 759, 1898; *Thelda* WALKER, Cat. Brit. Mus., xxxiv, 1221, 1865.

- *4324. *narcæusalis* WALKER, Cat. Brit. Mus., xix, 972, 1859. Tex., W. I., So. Am.
syn. *nummulalis* LEDERER, Wien. ent. Mon., vii, 444, 1863.

HELLULA Guenée.

GUENÉE, Spec. Gén., viii, 415, 1854; LEDERER, Wien. ent. Mon., vii, 351, 1863; HEINEMANN, Kleinschm., i, 2, 44, 1865; HAMPSON, Proc. Zool. Soc. Lond., 760, 1898.

4325. *undalis* FABRICIUS, Ent. Syst., iii, 2, 226, 1794; HÜBNER, Schm. Eur., Pyr., 19, pl. 14, f. 93, 1796; TREITSCHKE, Schm. Eur., vii, 128, 1829; DUPONCHEL, Hist. Nat. Léop. Fr., viii, 160, 1831; HEINEMANN, Kleinschm., i, 2, 45, 1865; HAMPSON, Proc. Zool. Soc. Lond., 760, 1898; CHITTENDEN, Bull. no. 19, n. ser., U. S. Dept. Agr., 54, 1899; Bull. no. 23, n. ser., U. S. Dept. Agr., 53, 1900. So. States, So. Eur., Africa, India.
syn. *aleonalis* WALKER, Cat. Brit. Mus., xix, 827, 1859; *exemptalis* WALKER, Cat. Brit. Mus., xxxiv, 1313, 1865; *rogatalis* HULST, Tr. Am. Ent. Soc., xiii, 149, 1886.

MIMORISTA Warren.

WARREN, Ann. Mag. Nat. Hist., (6), vi, 476, 1890.

- 4326.
- flavidissimalis*
- GROTE, Can. Ent., ix, 105, 1877. Tex.

TERASTIA Guenée.

GUENÉE, Spec. Gén., viii, 211, 1854; HAMPSON, Proc. Zool. Soc. Lond., 181, 1899.

- 4327.
- meticulosalis*
- GUENÉE, Spec. Gén., viii, 212, 1854; Fla., W. I.,
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- DYAR, Jn. N. Y. ent. soc., ix, 21, 1901. Ceylon, Java,
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- P. I.
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- syn.
- subjectalis*
- LEDERER, Wien. ent. Mon.,
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- vii, 480, 1863;
- quadratalis*
- WALKER, Cat.
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- Brit. Mus., xxxiv, 1527, 1865;
- celigenalis*
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- HULST, Tr. Am. Ent. Soc., xiii, 156, 1886.

LANIIFERA Hampson.

HAMPSON, Proc. Zool. Soc. Lond., 184, 1899.

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- cyclades*
- DRUCE, Biol. Cent. Am., Lep. Het., ii, Ariz.,
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- 220, 1895. Mex.

EVERGESTIS Hübner.

HÜBNER, Verz. bek. Schmett., 354, 1826; HAMPSON, Proc. Zool. Soc. Lond., 185, 1899;
Mesographa HÜBNER, Verz. bek. Schmett., 354, 1826; *Homochroa* HÜBNER, Verz. bek.
Schmett., 358, 1826; *Scopolia* HÜBNER, Verz. bek. Schmett., 368, 1826; *Orobea*
GUENÉE, Spec. Gén., viii, 376, 1854; *Paradis* GROTE, Check List, 51, 1882.

- 4329.
- funalis*
- GROTE, Bull. U. S. Geol. Surv., iv, 670, N. Mex.,
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- 1878; COCKERELL, Ent. News, x, 68, 1899. Cal.
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- *4330.
- obliqualis*
- GROTE, Ann. Mag. Nat. Hist. (5), xi, N. Mex.
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- 56, 1883; Proc. Kans. Ac. Sci., viii, 56, 1883.
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- *4331.
- simulatalis*
- GROTE, No. Am. Ent., 94, 1880. Ariz., Col.
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- syn.
- brunnocogrisea*
- HY. EDWARDS, Ent. Am.,
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- ii, 171, 1886.
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- 4332.
- napæalis*
- HULST, Tr. Am. Ent. Soc., xiii, 145, Cal.
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- 4333.
- dyaralis*
- FERNALD, Jn. N. Y. Ent. Soc., ix, 49, Fla.,
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- 1901; DYAR, Proc. Ent. Soc. Wash., iv, 460, 1901. So. Am.
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- 4334.
- rimosalis*
- GUENÉE, Spec. Gén., viii, 371, 1854; Va., Cal.,
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- THOMAS, Ill. Rep., iv, 37, 1880; RILEY, Rep. Wash.
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- U. S. Dep. Agr., 126, 1883.
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- 4335.
- extimalis*
- SCOPOLI, Ent. Carn., 241, 1763; MEY- Ariz.,
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- RICK, Handb. Brit. Lep., 424, 1895. N. Mex.
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- syn.
- margaritalis*
- DENIS & SCHIFFERMÜLLER,
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- Syst. Verz. Wien, 123, 1776;
- crucalis*
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- HÜBNER, Eur. Schm., Pyr., 28, pl. 9, f. 55,
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- 1796;
- consimilis*
- WARREN, Ann. Mag. Nat.
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- Hist., (6), ix, 433, 1892.

4336. **straminalis** HÜBNER, Vög. & Schm., 82, 1792; U. S.,
MEYRICK, Handb. Brit. Lep., 424, 1895. Eur.
- syn. *clutalis* HÜBNER, Eur. Schm., Pyr., 26,
pl. 10, f. 62, 1796; *stramentalis* HÜBNER,
Verz. bek. Schmett., 354, 1826; TREITSCHKE,
Schm. Eur., vii, 76, 1829; DUPONCHEL,
Hist. Nat. Léop. Fr., viii, 2, 102, 1831;
HEINEMANN, Kleinschm., i, 2, 95, 1865;
evnusalis WALKER, Cat. Brit. Mus., xviii,
756, 1859.

CROCIDOPHORA Lederer.

LEDERER, Wien. ent. Mon., vii, 386, 1863.

4337. **serratissimalis** ZELLER, Verh. zool.-bot. Ges. Atl.
Wien, xxii, 521, 1872. States.
- syn. *subdentalis* GROTE, Bull. Buff. Soc., i, 173,
1873.
- *4338. **pustuliferalis** LEDERER, Wien. ent. Mon., vii, Fla.
477, 1863.
4339. **tuberculalis** LEDERER, Wien. ent. Mon., vii, Va.,
476, 1863. Tex.

STENOPHYES Lederer.

LEDERER, Wien. ent. Mon., vii, 388, 1863.

4340. **huronalis** GUENÉE, Spec. Gén., viii, 198, 1854. U.S., So. Am.
- syn. *zinghalis* WALKER, Cat. Brit. Mus., xvii,
355, 1859; *serinalis* WALKER, Cat. Brit.
Mus., xvii, 468, 1859.

POLYGRAMMODES Guenée.

GUENÉE, Spec. Gén., viii, 344, 1854; HAMPSON, Proc. Zool. Soc. Lond., 196, 1899.

- *4341. **hirtalis** GUENÉE, Spec. Gén., viii, 344, 1854. Tex., So. Am.
- syn. *lybialis* WALKER, Cat. Brit. Mus., xviii,
624, 1859; *amatialis* WALKER, Cat. Brit.
Mus., xviii, 625, 1859; *capitalis* GROTE,
Bull. U. S. Geol. Surv., vi, 272, 1881.

NOMOPHILA Hübner.

HÜBNER, Verz. bek. Schmett., 368, 1826; MEYRICK, Handb. Brit. Lep., 410, 1895;
HAMPSON, Proc. Zool. Soc. Lond., 201, 1899.

4342. **noctuella** DENIS & SCHIFFERMÜLLER, Syst. Verz. U. S.,
Wien, 136, 1776; FELT, Can. Ent., xxv, 129, Eur., Asia,
1893; MEYRICK, Handb. Br. Lep., 410, 1895; So. Am.
HAMPSON, Proc. Zool. Soc. Lond., 201, 1899.
- syn. *hybridalis* HÜBNER, Schm. Eur., Pyr., 29,
pl. 17, f. 114, 1796; *indistinctalis* WALKER,
Cat. Brit. Mus., xxvii, 59, 1863; *helvolalis*
MAASSEN, Stübel's Reise, 170, 1890.

PACHYZANCLA Meyrick.

MEYRICK, Tr. Ent. Soc. Lond., 315, 1884.

- *4343. *periusalis* WALKER, Cat. Brit. Mus., xviii, 623, 1859. U. S., Brazil.
4344. *bipunctalis* FABRICIUS, Ent. Syst., iii, 2, 232, 1794. Ga., Fla., W. I., So. Am., So. Afr.
- syn. *ægrotalis* ZELLER, Lep. Caffr., 38, 1852; *mutualis* ZELLER, Lep. Caffr., 40, 1852; *verminalis* GUENÉE, Spec. Gén., viii, 348, 1854; *detritalis* GUENÉE, Spec. Gén., viii, 347, 1854; *lycialis* WALKER, Cat. Brit. Mus., xviii, 572, 1859; *philealis* WALKER, Cat. Brit. Mus., xviii, 596, 1859; *repetitalis* GROTE, Rep. U. S. Dept. Agr., 270, 1880; HAMPSON, Proc. Zool. Soc. Lond., 204, 1899.

LOXOSTEGE Hübner.

HÜBNER, Verz. bek. Schmett., 352, 1826; MEYRICK, Tr. Ent. Soc. Lond., 452, 1890; Handb. Brit. Lep., 418, 1895; *Emmelia* GEYER, Zutr. exot. Schmett., v, 8, 1837; *Phlyctenodes* GUENÉE, Spec. Gén., viii, 173, 1854; HAMPSON, Proc. Zool. Soc. Lond., 207, 1899; *Spilodes* GUENÉE, Spec. Gén., viii, 379, 1854; *Dosara* WALKER, Cat. Brit. Mus., xix, 828, 1859; *Ephelis* LEDERER, Wien. ent. Mon., vii, 356, 1863; *Eurycreon* LEDERER, Wien. ent. Mon., vii, 376, 1863.

4345. *dasconalis* WALKER, Cat. Brit. Mus., xviii, 773, 1859. N. Y., Ill., Tex., Col.
- *4346. *coloradensis* GROTE & ROBINSON, Tr. Am. Ent. Soc., i, 25, 1867. Tex., Col., Ariz.
- syn. *pergivalis* HULST, Tr. Am. Ent. Soc., xiii, 151, 1886.
4347. *chortalis* GROTE, Bull. Buff. Soc., i, 89, 1873. Me. to Cal.
4348. *aureolalis* HULST, Tr. Am. Ent. Soc., xiii, 156, 1886. Col., Ariz., Mex
- syn. *cyralis* DRUCE, Biol. Cent. Am., Lep. Het., ii, 204, 1895.
4349. *obliteralis* WALKER, Cat. Brit. Mus., xxxiv, 1392, 1865; CHITTENDEN, Bull. no. 27, n. ser., U. S. Dept. Agr., 102, 1901. Can., Mass., N. Y., Ill.
- syn. *marculenta* GROTE & ROBINSON, Tr. Am. Ent. Soc., i, 23, 1867.
- *4350. *mancalis* LEDERER, Wien. ent. Mon., vii, 464, 1863. Va., Fla., Mo.
- syn. *marculenta* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 507, 1872.
4351. *helvialis* WALKER, Cat. Brit. Mus., xviii, 772, 1859. Atl. States.
- syn. *thycosalis* WALKER, Cat. Brit. Mus., xix, 981, 1859; *apertalis* WALKER, Cat. Brit. Mus., xxxiv, 1393, 1865; *citrina* GROTE & ROBINSON, Tr. Am. Ent. Soc., i, 23, 1867.

- *4352. *bifidalis* FABRICIUS, Ent. Syst., iii, 2, 232, 1794. N. Mex.,
syn. *inornatalis* WALKER, Cat. Brit. Mus., W. I.,
xxxiv, 1456, 1865; *evanidalis* BERGSTRASSER, So. Am.
Deutsche ent. Zeits., xix, 134, 1875; *obsole-*
talis BERGSTRASSER, Deutsche ent. Zeits.,
xix, 135, 1875; *orbitalis* FELDER, Reise
Nov., pl. 134, f. 32, 1874.
4353. *flavalis* FERNALD, Ins. Life, vi, 255, 1894. Cal.
4354. *similalis* GUENÉE, Spec. Gén., viii, 405, 1854. U. S., So. Am.
syn. *crinialis* WALKER, Cat. Brit. Mus., xviii,
798, 1859; *siriusalis* WALKER, Cat. Brit.
Mus., xviii, 563, 1859; *diotimealis* WALKER,
Cat. Brit. Mus., xviii, 785, 1859; *crinitalis*
LEDERER, Wien. ent. Mon., vii, 376, 1863;
ZELLER, Verh. zool.-bot. Ges. Wien, 519,
1872; *communis* GROTE, Can. Ent., viii, 99,
1876.
- a. rantalis* GUENÉE, Spec. Gén., viii, 405, 1855;
ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 519,
1872; BERGSTRASSER, Deutsche ent. Zeits.,
xix, 132, 1875; SNOW, Psyche, iii, 127, 1880.
- syn. *murcialis* WALKER, Cat. Brit. Mus., xviii,
746, 1859; *licealis* WALKER, Cat. Brit. Mus.,
xviii, 563, 1859; *nestusalis* WALKER, Cat.
Brit. Mus., xviii, 784, 1859; *thoonalis*
WALKER, Cat. Brit. Mus., xviii, 785, 1859;
intractella WALKER, Cat. Brit. Mus., xxvii,
55, 1863; *posticata* GROTE & ROBINSON,
Trans. Am. Ent. Soc., i, 22, 1867; *occidentalis*
PACKARD, Ann. Lyc. Nat. Hist. N. Y., x,
260, 1873.
4355. *allectalis* GROTE, Can. Ent., ix, 107, 1877. Tex.
syn. *perpleralis* FERNALD, Can. Ent., xvii,
57, 1885.
4356. *lepidalis* HULST, Trans. Am. Ent. Soc., xiii, 146, Mont.,
1886. Col.
- *4357. *baccatalis* HULST, Can. Ent., xxiv, 63, 1892. Tex.
4358. *sticticalis* LINNÆUS, Faun. Succ., 352, 1761; Rocky Mts.,
TREITSCHKE, Schm. Eur., vii, 64, 1829; DUPON- Cal., Eur.
CHEL, Hist. Nat. Lép. Fr., viii, 96, 1831; HER-
RICH-SCHAEFFER, Schm. Eur., iv, 34, 1848; HEI-
NEMANN, Kleinschm., i, 2, 90, 1865; ZELLER, Verh.
zool.-bot. Ges. Wien, xxii, 518, 1872; MEYRICK,
Handb. Brit. Lep., 418, 1895.
- syn. *fuscalis* HÜBNER, Eur. Schmett., Pyr.,
29, pl. 7, f. 45, 1796; *tetragonalis* HAWORTH,
Lep. Brit., 385, 1811; *sordida* BUTLER, Tr.
Ent. Soc. Lond., 432, 1886.

4359. *commixtalis* WALKER, Cat. Brit. Mus., xxxiv, 1759, 1865. Eur., No. Am.
- syn. *indotatellus* WALKER, Cat. Brit. Mus., xxv, 1752, 1866; *septentrionalis* TENGSTROM, Cat., 358, 1869; *cerealis* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 517, 1872.
4360. *offumalis* HULST, Trans. Am. Ent. Soc., xiii, 150, 1886. Cal.
- *4361. *indentalis* GROTE, Ann. Mag. Nat. Hist., (5), xi, 57, 1883. N. Mex.
- *4362. *albiceralis* GROTE, Bull. U. S. Geol. Surv., iv, 678, 1878. Col.
4363. *oberthuralis* FERNALD, Ins. Life, vi, 255, 1894. Ariz., Cal.
- *4364. *labeculalis* HULST, Trans. Am. Ent. Soc., xiii, 152, 1886. Ariz.
- *4365. *thallophilalis* HULST, Trans. Am. Ent. Soc., xiii, 154, 1886. Mont., Cal.
- *4366. *annaphilalis* GROTE, Can. Ent., xiii, 34, 1881. Cal.
- *4367. *anartalis* GROTE, Can. Ent., x, 27, 1878. Cal.
- syn. *lulualis* HULST, Trans. Am. Ent. Soc., xiii, 150, 1886.
4368. *linealis* FERNALD, Ins. Life, vi, 255, 1894. Cal.
4369. *macluræ* RILEY, Ins. Life, v, 155, 1893. Mo., Tex.
- *4370. *flavifimbrialis* WARREN, Ann. Mag. Nat. Hist., (6), ix, 174, 1892. Cal.
- *4371. *succandidalis* HULST, Trans. Am. Ent. Soc., xiii, 153, 1886. Dak.
- *4372. *oblectalis* HULST, Trans. Am. Ent. Soc., xiii, 154, 1886. Ariz.
- *4373. *ophionalis* WALKER, Cat. Brit. Mus., xvii, 316, 1859. Tex.
4374. *nasonialis* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 209, 1873. Tex.
4375. *sesquialteralis* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 209, 1873. Tex.
4376. *vibicalis* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 208, 1873. Tex.

DIASEMIA Hübner.

HÜBNER, Verz. bek. Schmett., 348, 1826; STEPHENS, Ill. Brit. Ent., Haust., iv, 37, 1834; GUENÉE, Spec. Gén., viii, 233, 1854; LEDERER, Wien. ent. Mon., vii, 418, 1863; HEINEMANN, Kleinschl., i, 2, 98, 1865; MEYRICK, Handb. Brit. Lep., 404, 1895; HAMPSON, Proc. Zool. Soc. Lond., 213, 1899.

4377. **ramburialis** DUPONCHEL, Hist. Nat. Lép. Fr., viii, 2, 343, 1831; FISCHER v. RÖSLERSTAMM, Microlep., 281, 1841; HERRICH-SCHAEFFER, Schm. Eur., iv, 26, 1848; GUENÉE, Spec. Gén., viii, 234, 1854; HEINEMANN, Kleinschl., i, 2, 98, 1865; LEECH, Brit. Pyr., 45, 1886; MEYRICK, Handb. Brit. Lep., 404, 1895; HAMPSON, Ind. Moths, iv, 411, 1896. So. Atl. States, Eur., Austr.
- syn. *melaleucalis* WALKER, Cat. Brit. Mus., xvii, 402, 1859; *leodocosalis* WALKER, Cat. Brit. Mus., xix, 947, 1859; *reconditalis* WALKER, Cat. Brit. Mus., xxxiv, 1325, 1865; *leucophæalis* WALKER, Cat. Brit. Mus., xxxiv, 1326, 1865.
4378. **nigralis** FERNALD, Can. Ent., xxiv, 178, 1892. Fla.
- *4379. **janassialis** WALKER, Cat. Brit. Mus., xvii, 337, 1859. Fla.
syn. *hariolalis* HULST, Trans. Am. Ent. Soc., xiii, 149, 1886.
- *4380. **plumbosignalis** FERNALD, Ent. Am., iv, 37, 1888. Can., Col.,
4381. **roseopennalis** HULST, Trans. Am. Ent. Soc., xiii, 148, 1886. Va., N. C., Ariz.
- *4382. **elegantalis** WARREN, Ann. Mag. Nat. Hist., (6), ix, 440, 1892. Cal.
- *4383. **magdalena** FERNALD, Can. Ent., xxiv, 122, 1892. Fla., Tex.

LIOPASIA Möschler.

MÖSCHLER, Verh. zool.-bot. Ges. Wien, xxxi, 426, 1881; HAMPSON, Proc. Zool. Soc. Lond., 215, 1899.

- *4384. **teneralis** LEDERER, Wien. ent. Mon., vii, 462, 1863. Cal.

CONDYLORRHIZA Lederer.

LEDERER, Wien. ent. Mon., vii, 393, 1863; HAMPSON, Proc. Zool. Soc. Lond., 218, 1899.

- *4385. **vestigialis** GUENÉE, Spec. Gén., viii, 321, 1854. La., Tex.
syn. *tritealis* WALKER, Cat. Brit. Mus., xviii, 597, 1859; *mestoralis* WALKER, Cat. Brit. Mus., xviii, 729, 1859; *oratalis* HULST, Trans. Am. Ent. Soc., xiii, 158, 1886.

THOLERIA Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 27, 1823; Verz. bek. Schmett., 354, 1826; *Mecyna* GUENÉE, Spec. Gén., viii, 406, 1854; MEYRICK, Trans. Ent. Soc. Lond., 451, 1890; Handb. Brit. Lep., 417, 1895; HAMPSON, Proc. Zool. Soc. Lond., 223, 1899.

4386. **reversalis** GUENÉE, Spec. Gén., viii, 409, 1854; Atl. States,
DYAR, Proc. Ent. Soc. Wash., iv, 461, 1901. W. I.

CALAMOCHROUS Lederer.

LEDERER, Wien. ent. Mon., vii, 386, 1863.

- *4387. **straminea** WARREN, Ann. Mag. Nat. Hist., (6), Cal.
ix, 393, 1892.

CYBALOMIA Lederer.

LEDERER, Wien. ent. Mon., vii, 420, 1863; HAMPSON, Proc. Zool. Soc. Lond., 229,
1899; *Hypolais* GUENÉE (not KAUP), Spec. Gén., viii, 239, 1854.

- *4388. **extorris** WARREN, Ann. Mag. Nat. Hist., (6), ix, West.
395, 1892. U. S.

4388. 1. **belialis** DRUCE, Biol. Cent. Am., Lep. Het., Col.,
ii, 557, 1899; DYAR, Proc. U. S. Nat. Mus., Mex.
xxv, 397, 1902.

MONOCONA Warren.

WARREN, Ann. Mag. Nat. Hist., (6), ix, 173, 1892; HAMPSON, Proc. Zool. Soc. Lond.,
232, 1899.

- *4389. **rubralis** WARREN, Ann. Mag. Nat. Hist., (6), ix, Cal.
174, 1892.

AUTOCOSMIA Warren.

WARREN, Ann. Mag. Nat. Hist., (6), ix, 432, 1892; HAMPSON, Proc. Zool. Soc. Lond.,
233, 1899.

- *4390. **nexalis** HULST, Tr. Am. Ent. Soc., xiii, 150, Tex., Col.,
1886. Cal.
syn. *concinna* WARREN, Ann. Mag. Nat. Hist.,
(6), ix, 433, 1892.

TITANIO Hübner.

HÜBNER, Verz. bek. Schmett., 350, 1826; MEYRICK, Tr. Ent. Soc. Lond., 453, 1890;
HAMPSON, Proc. Zool. Soc. Lond., 235, 1899.

4391. **pollinalis** DENIS & SCHIFFERMÜLLER, Syst. Verz. Pa.,
Wien, 124, 1776; TREITSCHKE, Schm. Eur., vii, S. Eur.,
202, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., Australia.
viii, 2, 250, 1831; HERRICH-SCHAEFFER, Schm.
Eur., iv, 16, 1848; GUENÉE, Spec. Gén., viii,
149, 1854; HEINEMANN, Kleinschm., i, 2, 52,
1865.

syn. *bigutta* ESPER, Eur. Schmett., iv, 163, 5,
1786; *melissalis* WALKER, Cat. Brit. Mus.,
xvii, 331, 1859; *flavinotalis* GROTE, Can.
Ent., xiii, 34, 1881.

4392. **ephippialis** ZETTERSTEDT, Ins. Lap., 972, 1840; Lab.,
MÖSCHLER, Wien. ent. Mon., iv, 377, 1860; N. Greenl.,
WOCKE, Stett. ent. Zeit., xxiii, 34, 1862; xxv, N. Eur.
191, 1864.
syn. *frigidalis* GUENÉE, Spec. Gén., viii, 157,
1854; *scandinaviensis* GUENÉE, Spec. Gén.,
viii, 156, 1854.
- *4393. **dapalis** GROTE, Can. Ent., xiii, 17, 1881. Cal.
4394. **proximalis** FERNALD, Ins. Life, vi, 256, 1894. Cal.
- *4395. **immerens** HARVEY, Can. Ent., vii, 160, 1875. Cal.
- *4396. **bububattalis** HULST, Tr. Am. Ent. Soc., xiii, Col.
149, 1886.
4397. **helianthiales** MURTFELDT, Can. Ent., xxix, 71, Mo., Tex.
1897.

METASIA Guenée.

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4398. **argalis** FERNALD, Ins. Life, vi, 256, 1894. Cal.
4399. **quadristrigalis** FERNALD, Ins. Life, vi, 257, 1894. Cal.

PERISPASTA Zeller.

ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 333, 1875.

4400. **cæculalis** ZELLER, Verh. zool.-bot. Ges. Wien, So. Atl.
xxv, 333, 1875. States.
syn. *immixtalis* GROTE, Can. Ent., xiii, 232,
1881.

PHLYCTÆNIA Hübner.

HÜBNER, Verz. bek. Schmett., 359, 1826; STEPHENS, Ill. Brit. Ent., Haust., iv, 42, 1834;
MEYRICK, Trans. Ent. Soc. Lond., 446, 1890; Handb. Brit. Lep., 408, 1895.

4401. **ferrugalis** HÜBNER, Eur. Schmett., Pyr., 27, pl. U. S.,
9, f. 54, 1796; TREITSCHKE, Schm. Eur., vii, Eur.,
94, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., viii, Asia.
138, 1831; STEPHENS, Ill. Brit. Ent., Haust., iv,
53, 1834; HERRICH-SCHAEFFER, Schm. Eur.,
iv, 39, 1848; GUENÉE, Spec. Gén., viii, 398,
1854; HEINEMANN, Kleinschm., i, 2, 76, 1865;
MEYRICK, Handb. Brit. Lep., 409, 1895.
syn. *rubigalis* GUENÉE, Spec. Gén., viii, 398,
1854; CHITTENDEN, Bull. no. 27, n. ser.,
U. S. Dept. Agr., 7, 1901; *martialis* GUENÉE,
Spec. Gén., viii, 398, 1854; *hypatialis*
WALKER, Cat. Brit. Mus., xix, 1014, 1859;
oblunalis LEDERER, Wien. ent. Mon., vii,
469, 1863; *harveyana* GROTE, Can. Ent., ix,
104, 1877.

- *4402. *profundalis* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 261, 1873. Cal., B. C.
4403. *inquinatalis* ZELLER, Isis, xiii, 205, 1846; HERRICH-SCHAEFFER, Schm. Eur., iv, 41, 1848; GUENÉE, Spec. Gén., viii, 395, 1854. Lab., N. Eur., Alps.
syn. *glacialis* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 52, 1866.
4404. *itysalis* WALKER, Cat. Brit. Mus., xix, 828, 1859. Lab., Can., Col.
syn. *variegata* WALKER, Cat. Brit. Mus., xxvii, 76, 1863; *turmalis* GROTE, Can. Ent., xiii, 33, 1881; *hyperborealis* MÖSCHLER, Stett. ent. Zeit., xxxv, 163, 1874.
- *4405. *radiosalis* MÖSCHLER, Stett. ent. Zeit., xlv, 123, 1883. S. Lab.
4406. *washingtonalis* GROTE, Bull. U. S. Geol. Surv., vi, 578, 1882. Wash.
syn. *irinctalis* HULST, Tr. Am. Ent. Soc., xiii, 152, 1886.
- *4407. *externalis* WARREN, Ann. Mag. Nat. Hist., (6), ix, 296, 1892. U. S.
- *4408. *indistinctalis* WARREN, Ann. Mag. Nat. Hist., (6), ix, 394, 1892. U. S.
4409. *acutella* WALKER, Cat. Brit. Mus., xxxv, 1753, 1866. No. Atl. States.
syn. *venalis* GROTE, Can. Ent., x, 24, 1878.
4410. *terrealis* TREITSCHKE, Schm. Eur., vii, 110, 1829; HEINEMANN, Kleinschm., i, 2, 69, 1865; MEYRICK, Handb. Brit. Lep., 409, 1895. No. U. S., Eur.
syn. *mysippusalis* WALKER, Cat. Brit. Mus., xviii, 564, 1859; *humilalis* LEDERER, Wien. ent. Mon., vii, 464, 1863.
4411. *extricalis* GUENÉE, Spec. Gén., viii, 338, 1854. Atl. States.
syn. *dionalis* WALKER, Cat. Brit. Mus., xviii, 758, 1859; *niseocalis* WALKER, Cat. Brit. Mus., xviii, 771, 1859; *intricatialis* LEDERER, Wien. ent. Mon., vii, 469, 1863; *oppilalis* GROTE, Can. Ent., xii, 36, 1880.
4412. *helvalis* WALKER, Cat. Brit. Mus., xviii, 757, 1859. No. Atl. States, Col.
syn. *oscitalis* GROTE, Can. Ent., xii, 36, 1880; *gyralis* HULST, Tr. Am. Ent. Soc., xiii, 152, 1886.
4413. *tertialis* GUENÉE, Spec. Gén., viii, 364, 1854. Atl. States.
syn. *plectilis* GROTE & ROBINSON, Tr. Am. Ent. Soc., i, 27, 1867; *syringicola* PACKARD, Rep. Mass. Bd. Agr., 250, 1870.

CINDAPHIA Lederer.

LEDERER, Wien. ent. Mon., vii, 438, 1863.

4414. *bicoloralis* GUENÉE, Spec. Gén., viii, 205, 1854. Atl. States,
 syn. *julialis* WALKER, Cat. Brit. Mus., xvii, So. Am.
 389, 1859; *incensalis* LEDERER, Wien. ent.
 Mon., vii, 439, 1863; *amiculatalis* BERG,
 Stett. ent. Zeit., xxxvii, 343, 1876; *pul-*
chripictalis HAMPSON, Ann. Mag. Nat. Hist.,
 (6), xvi, 341, 1895.

EPICORSIA Hübner.

HÜBNER, Zutr. exot. Schmett., i, 24, 1818; Verz. bek. Schmett., 355, 1826.

4415. *mellinalis* HÜBNER, Zutr. exot. Schmett., i, 24, Fla., W. I.,
 f. 137, 138, 1818; DYAR, Journ. N. Y. Ent. Soc., So. Am.
 ix, 21, 1901.
 syn. *ædipodalis* GUENÉE, Spec. Gén., viii, 336,
 1854; *butyrota* BUTLER, Proc. Zool. Soc.
 Lond., 493, 1878.

PYRAUSTA Schrank.

SCHRANK, Faun. Boica, ii, 2, 1802; TREITSCHKE, Schm. Eur., vii, 162, 1829; DUPON-
 CHEL, Hist. Nat. Lép. Fr., viii, 2, 209, 1831; STEPHENS, Ill. Brit. Ent., Haust., iv,
 33, 1834; MEYRICK, Trans. Ent. Soc. Lond., 449, 1890; Handb. Brit. Lep., 411,
 1895; HAMPSON, Proc. Zool. Soc. Lond., 252, 1899.

- *4416. *vacunalis* GROTE, Can. Ent., xiii, 33, 1881. Cal.
 4417. *pertextalis* LEDERER, Wien. ent. Mon., vii, 466, Me. to
 1863. Tex.
 syn. *gentilis* GROTE, Bull. Buff. Soc., i, 173,
 1873; *thesealis* ZELLER, Verh. zool.-bot.
 Ges. Wien, 514, 1872.
 *4418. *fissalis* GROTE, Bull. U. S. Geol. Surv., vi, 273, No. Atl.
 1881. States.
 *4419. *æglealis* WALKER, Cat. Brit. Mus., xviii, 565, 1859. No. Atl.
 syn. *quinquelinealis* GROTE, Bull. Buff. Soc., States.
 ii, 231, 1875.
 4420. *thestealis* WALKER, Cat. Brit. Mus., xviii, 733, No. Atl.
 1859. States.
 syn. *magistralis* GROTE, Bull. Buff. Soc., i, 173,
 1873; *gulosalis* HULST, Trans. Am. Ent. Soc.,
 xiii, 155, 1886.
 4421. *theseusalis* WALKER, Cat. Brit. Mus., xviii, 562, Atl. States.
 1859.
 syn. *feudalis* GROTE, Bull. Buff. Soc., ii, 231,
 1875.
 *4422. *langdonalis* GROTE, Can. Ent., ix, 10, 1877. Ohio.

4423. *oxydalis* GUENÉE, Spec. Gén., viii, 328, 1854. Atl. States,
 syn. *flavidalis* GUENÉE, Spec. Gén., viii, 329, So. Am.
 1854; *lucalis* WALKER, Cat. Brit. Mus.,
 xviii, 733, 1859; *cinctipedalis* WALKER, Cat.
 Brit. Mus., xxxiv, 1391, 1865.
- *4424. *phyllisalis* WALKER, Cat. Brit. Mus., xix, 936, Tex.
 1859.
- *4425. *elealis* WALKER, Cat. Brit. Mus., xvii, 351, 1859. Pa.
 syn. *tedialis* WALKER, Cat. Brit. Mus., xviii,
 732, 1859.
- *4426. *orphisalis* WALKER, Cat. Brit. Mus., xvii, 310, No. Atl.
 1859. States.
 syn. *adipaloides* GROTE & ROBINSON, Trans.
 Am. Ent. Soc., i, 27, 1867.
- *4427. *fuscimaculalis* GROTE, Can. Ent., x, 25, 1878. Tex.
 syn. *flavicoloralis* GROTE, Can. Ent., x, 25, 1878;
confovealis HULST, Trans. Am. Ent. Soc.,
 xiii, 151, 1886.
4428. *trimaculalis* GROTE, Can. Ent., x, 24, 1878. Tex.
4429. *gracilalis* HULST, Tr. Am. Ent. Soc., xiii, 151, Tex., Ariz.,
 1886. Cal.
- *4430. *hædulalis* HULST, Tr. Am. Ent. Soc., xiii, 152, Tex.
 1886.
- *4431. *submedialis* GROTE, Can. Ent., viii, 111, 1876. Can.,
 syn. *dissectalis* GROTE, Can. Ent., xii, 36, Ill.,
 1880; *pilalis* HULST, Tr. Am. Ent. Soc., Fla.,
 xiii, 151, 1886. Ariz.
- *4432. *venalalis* HULST, Tr. Am. Ent. Soc., xiii, 151, N. Y.
 1886.
- *4433. *obumbratalis* LEDERER, Wien. ent. Mon., vii, No. Am.
 467, 1863.
4434. *mustelinalis* PACKARD, Ann. Lyc. Nat. Hist. Cal.
 N. Y., x, 262, 1873.
 syn. *catenulalis* GROTE, Can. Ent., ix, 105,
 1877; *monulalis* HULST, Tr. Am. Ent. Soc.,
 xiii, 154, 1886.
- *4435. *singularis* LEDERER, Wien. ent. Mon., vii, 475, No. Am.?,
 1863. Brazil.
4436. *fumalis* GUENÉE, Spec. Gén., viii, 358, 1854. Atl. States.
 syn. *orasusalis* WALKER, Cat. Brit. Mus.,
 xviii, 784, 1859; *haldipennis* GROTE, Bull.
 Buff. Soc., i, 88, 1873.

4437. *illibalis* HÜBNER, Zutr. exot. Schmett., i, 19, f. 95, 96, 1818. Atl. States.
- syn. *arsaltealis* WALKER, Cat. Brit. Mus., xviii, 564, 1859; *euphaesalis* WALKER, Cat. Brit. Mus., xix, 1008, 1859; *guttulosa* WALKER, Cat. Brit. Mus., xxvii, 78, 1863; *fascialis* WALKER, Tr. Ent. Soc. Lond., (3), i, 127, 1862; *subjectalis* LEDERER, Wien. ent. Mon., vii, 480, 1863; *magniferalis* WALKER, Can. Nat. & Geol., vi, 41, 1861.
- *4438. *octosignalis* HULST, Tr. Am. Ent. Soc., xiii, 153, 1886. Tex., Cal.
4439. *penitalis* GROTE, Can. Ent., viii, 98, 1876. So. Atl. States.
syn. *nelumbialis* SMITH, Ent. Am., vi, 89, 1890.
4440. *inconcinnalis* LEDERER, Wien. ent. Mon., vii, 467, 1863. Ill., Tex., Col., Ariz.
syn. *crocotalis* GROTE, Pap., i, 167, 1881; *festalis* HULST, Tr. Am. Ent. Soc., xiii, 153, 1886.
4441. *futilalis* LEDERER, Wien. ent. Mon., vii, 467, 1863. Atl. States.
syn. *erectalis* GROTE, Can. Ent., viii, 99, 1876.
4442. *fumoferalis* HULST, Tr. Am. Ent. Soc., xiii, 154, 1886. No. U. S., Cal.
4443. *unifascialis* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 261, 1873. No. U. S., Cal.
syn. *subolivalis* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 261, 1873; *hircinalis* GROTE, Bull. Buff. Soc., ii, 232, 1875; *obnigralis* HULST, Tr. Am. Ent. Soc., xiii, 153, 1886.
- *4444. *torvalis* MÖSCHLER, Wien. ent. Mon., viii, 198, 1864. Lab., No. Greenl.
syn. *gelida* McLACHLAN, Jn. Linn. Soc., xiv, 115, 1880.
4445. *fodinalis* LEDERER, Wien. ent. Mon., vii, 461, 1863. No. U. S., Cal.
syn. *socialis* GROTE, Can. Ent., ix, 107, 1877.
4446. *semirubralis* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 263, 1873. Cal.
4447. *perrubralis* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 264, 1873. Manitoba, Ariz., Cal.
syn. *scurralis* HULST, Tr. Am. Ent. Soc., xiii, 155, 1886; *postrubralis* HAMPSON, Proc. Zool. Soc. Lond., 262, 1899.

4448. *phœnicealis* HÜBNER, Zutr. exot. Schmett., i, 22, f. 115, 116, 1818. Atl. States, W. I., So. Am., India, China, Australia.
- syn. *opalizalis* GUENÉE, Spec. Gén., viii, 172, 1854; *insignitalis* GUENÉE, Spec. Gén., viii, 173, 1854; *flegialis* WALKER, Cat. Brit. Mus., xvii, 316, 1859; *panopealis* WALKER, Cat. Brit. Mus., xvii, 318, 1859; *eratalis* WALKER, Cat. Brit. Mus., xviii, 578, 1859; *onythesalis* WALKER, Cat. Brit. Mus., xviii, 734, 1859.
- *4449. *toralis* GROTE, Pap., i, 178, 1881. N. Mex.
4450. *acriionalis* WALKER, Cat. Brit. Mus., xix, 925, 1859. Atl. States.
- syn. *acuphisalis* WALKER, Cat. Brit. Mus., xix, 926, 1859; *proceralis* LEDERER, Wien. ent. Mon., vii, 460, 1863; *sumptuosalis* WALKER, Cat. Brit. Mus., xxxiv, 1281, 1865; *haruspica* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 19, 1867.
- a. ruffimbrialis* GROTE, Can. Ent., xiii, 34, 1881.
4451. *rubricalis* HÜBNER, Schm. Eur., Pyr., 22, pl. 16, f. 106, 1796. Cal.
- syn. *similalis* LEDERER, Wien. ent. Mon., vii, 460, 1863; *nescalis* WALKER, Cat. Brit. Mus., xvii, 315, 1859; *californicalis* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 260, 1873.
- *4452. *tatalis* GROTE, Can. Ent., ix, 106, 1877. Tex.
4453. *borealis* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 53, 1867. Lab., Can., Me.
- syn. *matronalis* GROTE, Bull. Buff. Soc., ii, 231, 1875.
4454. *insequalis* GUENÉE, Spec. Gén., viii, 447, 1854. Atl. States.
- syn. *subsequalis* GUENÉE (not HERRICH-SCHAEFFER), Spec. Gén., viii, 177, 1854; *maldetesalis* WALKER, Cat. Brit. Mus., xix, 946, 1859; *repletalis* WALKER, Cat. Brit. Mus., xxxiv, 1285, 1865; *efficialis* WALKER, Cat. Brit. Mus., xxxiv, 1287, 1865.
4455. *generosa* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 20, 1867. Pa., Ill.
- *4456. *flavofascialis* GROTE, Bull. U. S. Geol. Surv., vi, 577, 1882. N. Mex.
4457. *laticlavia* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 17, 1867. Pa., Tex., Cal.
- a. cinerosa* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 18, 1867.

4458. **tyralis** GUENÉE, Spec. Gén., viii, 169, 1854. Ill., Fla., Tex.
 syn. *erosnealis* WALKER, Cat. Brit. Mus., xvii,
 311, 1859; *dijfissa* GROTE & ROBINSON,
 Trans. Am. Ent. Soc., i, 19, 1867; *bellulalis*
 HULST, Trans. Am. Ent. Soc., xiii, 149,
 1886.
- *4459. **coccinea** WARREN, Ann. Mag. Nat. Hist., (6), ix, Cal.
 176, 1892.
4460. **costimaculalis** FERNALD, Journ. N. Y. Ent. Soc., Fla.
 ix, 50, 1901.
4461. **inornatalis** FERNALD, Can. Ent., xvii, 57, 1885. Fla., Tex.,
 syn. *rosa* DRUCE, Biol. Cent. Am., Lep. Het., Mex.
 ii, 206, 1895.
4461. 1. **signatalis** WALKER, Cat. Brit. Mus., xxxiv, Ill., Mo.,
 1282, 1865. Ala., Tex.
 syn. *vinulenta* GROTE & ROBINSON, Trans. Am.
 Ent. Soc., i, 17, 1867.
4462. **volupialis** GROTE, Bull. U. S. Geol. Surv., iii, Col.
 799, 1877.
4463. **augustalis** GROTE, Bull. U. S. Geol. Surv., vi, Col., Ariz.,
 273, 1881. Cal.
- *4464. **subnicalis** WARREN, Ann. Mag. Nat. Hist., (6), U. S.
 ix, 177, 1892.
4465. **atropurpuralis** GROTE, Can. Ent., ix, 104, 1877. Tex.
4466. **lethalis** GROTE, Can. Ent., xiii, 33, 1881. Cal.
- *4467. **nicalis** GROTE, Bull. U. S. Geol. Surv., iv, 671, Manitoba,
 1878. Nev., Col.,
 syn. *uorculalis* HULST, Trans. Am. Ent. Soc., Cal.
 xiii, 153, 1886.
- *4468. **marginalis** WALKER, Cat. Brit. Mus., xxxiv, Manitoba,
 1459, 1865. Me.
 syn. *stenoapteralis* GROTE, Can. Ent., x, 26,
 1878.
4469. **unimacula** GROTE & ROBINSON, Trans. Am. Ent. Pa.
 Soc., i, 14, 1867.
- *4470. **commortalis** GROTE, Can. Ent., xiii, 233, 1881. Cal.
- *4471. **versicolor** WARREN, Ann. Mag. Nat. Hist., (6), U. S.
 ix, 175, 1892.
4472. **funebri** STRÖM, Kgl. Norske Vid. Selsk. Skr., No. Am.,
 iv, 339, 1768; SCHÖYEN, Stett. ent. Zeit., xl, Eur.
 399, 1879.
 syn. *octomaculata* LINNÆUS, Mant. Plant. Alt.,
 540, 1771; *glomeralis* WALKER, Cat. Brit.
 Mus., xvii, 330, 1859.



4473. *niveiciliaris* GROTE, Bull. Buff. Soc., ii, 232, 1875. Mass., N. Y.
 *4473. 1. *abdominalis* ZELLER, Verh. zool.-bot. Ges. No. Am.
 Wien, xxii, 515, 1872; HAMPSON, Proc. Zool.
 Soc. Lond., 273, 1899 (type probably lost).

EUSTIXIA Hübner.

- HÜBNER, Zutr. exot. Schmett., ii, 24, 1823; *Thelcteria* LEDERER, Wien. ent. Mon.,
 vii, 350, 1863; HAMPSON, Proc. Zool. Soc. Lond., 275, 1899.
 4474. *pupula* HÜBNER, Zutr. exot. Schmett., ii, 24, Atl.
 f. 327, 328, 1823. States.
 4475. *octonalis* ZELLER, Verh. zool.-bot. Ges. Wien, Atl.
 xxiii, 211, 1873. States.
 syn. *seemaculalis* GROTE, Can. Ent., viii, 98,
 1876.

CORNIFRONS Lederer.

- LEDERER, Wien. ent. Mon., ii, 147, 1858; HAMPSON, Proc. Zool. Soc. Lond., 276, 1899.
 4476. *simalis* GROTE, Bull. U. S. Geol. Surv., iv, 670, Mont., -
 1876. Oreg.
 *4477. *pulveralis* WARREN, Ann. Mag. Nat. Hist., (6), Nev.
 ix, 435, 1892.

NOCTUELIA Guenée.

- GUENÉE, Spec. Gén., viii, 113, 1854; HAMPSON, Proc. Zool. Soc. Lond., 278, 1899.
 4478. *thalialis* WALKER, Cat. Brit. Mus., xviii, 582, Tex., W. I.,
 1859. So. Am.
 syn. *peruviana* WALKER, Cat. Brit. Mus.,
 xxxiii, 804, 1865; *gelidalis* WALKER, Cat.
 Brit. Mus., xxxiv, 1229, 1865; *novalis*
 GROTE, Can. Ent., viii, 156, 1876; *costama-*
culalis SNELLEN, Tijd. v. Ent., xxx, 54, 1887.
 4479. *castanealis* HULST, Tr. Am. Ent. Soc., xiii, 157, Tex.
 1886.
 *4480. *nuchalis* GROTE, Bull. U. S. Geol. Surv., iv, 675, Cal.
 1878.
 4481. *elautalis* GROTE, Pap., i, 168, 1881. Ariz.
 syn. *magnalis* HULST, Tr. Am. Ent. Soc., xiii,
 147, 1886.
 *4482. *simplex* WARREN, Ann. Mag. Nat. Hist., (6), xvi, U. S.
 474, 1895.

LINEODES Guenée.

- GUENÉE, Spec. Gén., viii, 234, 1854; HAMPSON, Proc. Zool. Soc. Lond., 283, 1899;
Scoptonoma ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 328, 1873.
 4483. *contortalis* GUENÉE, Spec. Gén., viii, 236, 1854. Tex., Fla.,
 So. Am.

4484. *integra* ZELLER, Verh. zool.-bot. Ges. Wien. Mo., Tex.,
xxiii, 328, 1873; DYAR, Jn. N. Y. Ent. Soc., ix, Cal., So.
22, 1901. Am.
- *4485. *interrupta* ZELLER, Verh. zool.-bot. Ges. Wien. Tex.
xxiii, 329, 1873.
4486. *triangularis* MÖSCHLER, Abn. Senck. Ges., xv, Fla.,
305, 1889; DYAR, Jn. N. Y. Ent. Soc., ix, 22, W. I.
1901.

Subfamily NYMPHULINÆ.

By C. H. FERNALD.

NYMPHULA Schrank.

SCHRANK, Faun. Boica., ii, 2, 162, 1802; TREITSCHKE, Schm. Eur., vii, 127, 1829;
DUPONCHEL, Hist. Nat. Lép. Fr., viii, 158, 1831; HERRICH-SCHAEFFER, Schm.
Eur., iv, 10, 1848; MEYRICK, Handb. Brit. Lep., 402, 1895; HAMPSON, Trans. Ent.
Soc. Lond., 138, 1897; *Hydrocampa* LATREILLE, Fam. Nat. Règ. An., 478, 1825;
Parapoynx HÜBNER, Verz. bek. Schmett., 362, 1826; *Synclita* LEDERER, Wien. ent.
Mon., vii, 448, 1863; *Nymphocilla* GROTE, No. Am. Ent., i, 97, 1880.

4487. *icciasalis* WALKER, Cat. Brit. Mus., xix, 971, Atl. States,
1859. So. Am.

syn. *faulalis* WALKER, Cat. Brit. Mus., xix,
973, 1859; *formosalis* CLEMENS, Proc. Acad.
Nat. Sci. Phil., 217, 1860; PACKARD, Am.
Nat., xviii, 824, 1884; *genualis* LEDERER,
Wien. ent. Mon., vii, 451, 1863; *pacalis*
GROTE, Pap., i, 17, 1881.

4488. *nebulosalis* FERNALD, Ent. Amer., iii, 127, 1887. Fla.

- *4489. *gyralis* HULST, Trans. Am. Ent. Soc., xiii, 159, Atl.
1886. States.

syn. *dentilinea* HAMPSON, Trans. Ent. Soc.
Lond., 139, 1897.

4490. *ekthlipsis* GROTE, Can. Ent., viii, 111, 1876. Me., Mass.,
N. Y., Can.

4491. *allionealis* WALKER, Cat. Brit. Mus., xvii, 453, Ga., Fla.,
1859. Wis.

syn. *itealis* WALKER, Cat. Brit. Mus., xvii,
458, 1859; *cretucealis* LEDERER, Wien. ent.
Mon., vii, 484, 1863; *aptalis* LEDERER,
Wien. ent. Mon., vii, 485, 1863; *plenilinea-*
lis GROTE, Pap., i, 17, 1881.

4492. *badiusalis* WALKER, Cat. Brit. Mus., xix, 955, Atl.
1859. States.

syn. *curviferalis* WALKER, Cat. Brit. Mus.,
xxxiv, 1331, 1865; *albialis* ROBINSON, Ann.
Lyc. Nat. Hist. N. Y., ix, 153, 1869.

4493. *obscuralis* GROTE, Pap., i, 18, 1881. Me., Mass.,
 syn. ? *cedyscongulis* CLEMENS, Proc. Acad. N. Y., Pa.,
 Nat. Sci. Phil., 216, 1860. Wis.
4494. *cannalis* QUAINANCE, Bull. Fla. Ex. Sta., no. 45, Fla.
 68, 1898.
4495. *maculalis* CLEMENS, Proc. Acad. Nat. Sci. Phil., Atl.
 218, 1860. States.
- syn. *seminivella* WALKER, Cat. Brit. Mus.,
 xxxv, 1717, 1866; *dipsar* GROTE, No. Am.
 Ent., i, 97, 1880.
4496. *obliteralis* WALKER, Cat. Brit. Mus., xvii, 399, Fla.
 1859.
- syn. *obscuralis* MÖSCHLER, Verh. zool.-bot.
 Ges. Wien, 432, 1876; *proprialis* FERNALD,
 Ent. Am., iv, 37, 1888.

ELOPHILA Hübner.

HÜBNER, Tent., 2, 1806; *Cataclysta* HÜBNER, Verz. bek. Schmett., 363, 1826; STEPHENS,
 Ill. Brit. Ent., Haust., iv, 39, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 7, 1848;
 GUENÉE, Spec. Gén., viii, 263, 1854; LEDERER, Wien. ent. Mon., vii, 453, 1863;
 HEINEMANN, Kleinschm., i, 2, 106, 1865; MEYRICK, Handb. Brit. Lep., 402, 1895;
 HAMPSON, Trans. Ent. Soc. Lond., 147, 1897; *Chrysendeton* GROTE, Pap., i, 16, 1881;
Anydraula MEYRICK, Trans. Ent. Soc. Lond., 427, 1885.

- *4497. *magnificalis* HÜBNER, Eur. Schmett., Pyr., f. Mid.
 104, 1796. States.
- syn. *lamialis* WALKER, Cat. Brit. Mus., xvii,
 436, 1859; *helopalis* CLEMENS, Proc. Acad.
 Nat. Sci. Phil., 218, 1860.
4498. *claudialis* WALKER, Cat. Brit. Mus., xvii, 437, Fla.
 1859.
- syn. *medicinalis* GROTE, Pap., i, 15, 1881.
4499. *bifascialis* ROBINSON, Ann. Lyc. Nat. Hist. N. Y., Tex.
 ix, 154, 1869.
4500. *fulcalis* CLEMENS, Proc. Acad. Nat. Sci. Phil., Me., Mass.,
 217, 1860. Pa., N. Mex.
- syn. *angulatalis* LEDERER, Wien. ent. Mon.,
 vii, 486, 1863; *confusalis* WALKER, Cat.
 Brit. Mus., xxxiv, 1334, 1865.
- *4501. *avernalis* GROTE, Trans. Kans. Acad. Sci., viii, 53, N. Mex.
 1853.

OLIGOSTIGMA Guenée.

GUENÉE, Spec. Gén., viii, 260, 1854; HAMPSON, Tr. Ent. Soc. Lond., 167, 1897.

4502. *juncealis* GUENÉE, Spec. Gén., viii, 261, 1854. Fla.
 syn. *semincalis* WALKER, Cat. Brit. Mus.,
 xvii, 430, 1859.

DIATHRAUSTA Lederer.

LEDERER, Wien. ent. Mon., 438, 1863; HAMPSON, Tr. Ent. Soc. Lond., 205, 1897.

4503. *reconditalis* WALKER, Cat. Brit. Mus., xix, 943, Mass., N. Y.,
1859. Pa.

syn. *minuialis* WALKER, Cat. Brit. Mus., xxxiv,
1297, 1865; *octomaculalis* FERNALD, Ent.
Amer., iii, 127, 1887.

Subfamily SCOPARIINÆ.

By C. H. FERNALD.

SCOPARIA Haworth.

HAWORTH, Lep. Brit., iii, 498, 1811; HEINEMANN, Kleinschm., i, 2, 20, 1865; MEY-
RICK, Handb. Brit. Lep., 419, 1895; HAMPSON, Tr. Ent. Soc. Lond., 229, 1897;
Eudorea CURTIS, Brit. Ent., vi, 170, 1825; STEPHENS, Ill. Brit. Ent., Haust., iv, 298,
1834; ZELLER, Linn. Ent., i, 265, 1846.

*4504. *lugubralis* WALKER, Cat. Brit. Mus., xxxiv, 1498, Can.
1865.

*4505. *nominatalis* HULST, Tr. Am. Ent. Soc., xiii, 148, Vancouver.
1886.

*4506. *atropicta* HAMPSON, Tr. Ent. Soc. Lond., 233, 1897. U. S.

4507. *basalis* WALKER, Cat. Brit. Mus., xxxiv, 1497, Can., N. E.,
1865. Mid., & W.
States.

syn. *biplagiialis* WALKER, Cat. Brit. Mus.,
xxxiv, 1499, 1865; *libella* GROTE, Bull. U. S.
Geol. Surv., iv, 675, 1878.

*4508. *rectilinea* ZELLER, Verh. zool.-bot. Ges. Wien, Cal.,
xxiv, 5, 1874. Vancouver.

syn. *refugalis* HULST, Tr. Am. Ent. Soc., xiii,
148, 1886.

*4509. *delphusa* DRUCE, Biol. Cent. Am., Lep. Het., ii, W. States,
279, 1895. Mex.

4510. *centuriella* DENIS & SCHIFFERMÜLLER, Syst. Verz. Eur., Lab.,
Wien., 319, 1776. Can., U. S.

syn. *borealis* LEFÈBRE, Ann. Soc. Ent. Fr.,
400, 1835; *numeralis* ZETTERSTEDT, Ins. Lap.,
971, 1840; *quadratella* ZETTERSTEDT, Ins.
Lap., 997, 1840; *cæcalis* WALKER, Cat. Brit.
Mus., xvi, 36, 1858; *caliginosalis* WALKER,
Cat. Brit. Mus., xxxiv, 1460, 1865; *ningui-
dalis* HULST, Tr. Am. Ent. Soc., xiii, 147,
1886.

Subfamily PYRALINÆ.

By C. H. FERNALD.

AGLOSSA Latreille.

LATREILLE, Précis Char. Gén. Ins., 145, 1796; Hist. Nat. Crust. Ins., iii, 414, 1802; v, 323, 1803; xiv, 229, 1805; DUPONCHEL, Hist. Nat. Lép. Fr., viii, 2, 61, 1831; STEPHENS, Ill. Brit. Ent., Haust., iv, 22, 1834; HERRICH-SCHAEFFER, Schm. Eur., i, 119, 1848; GUENÉE, Spec. Gén., viii, 125, 1854; HEINEMANN, Kleinschm., i, 2, 13, 1865; MEYRICK, Handb. Brit. Lep., 428, 1895; HAMPSON, Trans. Ent. Soc. Lond., 505, 1896.

4511. *cuprealis* HÜBNER, Verz. bek. Schmett., 348, 1826; TREITSCHKE, Schm. Eur., vii, 38, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., viii, 2, 61, 1831; STEPHENS, Ill. Brit. Ent., Haust., iv, 23, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 119, 1848; HEINEMANN, Kleinschm., i, 2, 14, 1865; MEYRICK, Handb. Brit. Lep., 428, 1895. U. S., Eur.
- syn. *cuprealis* HÜBNER, Schmett. Eur. Pyr. f. 153, 1800; *domalis* GUENÉE, Spec. Gén., viii, 128, 1854; *enthealis* HULST, Trans. Am. Ent. Soc., xiii, 160, 1886.

4512. *cestialis* HULST, Trans. Am. Ent. Soc., xiii, 164, 1886. Col.

HYP SOPY G I A Hübner.

HÜBNER, Verz. bek. Schmett., 348, 1826; STEPHENS, Ill. Brit. Ent., Haust., iv, 26, 1834; HAMPSON, Trans. Ent. Soc. Lond., 507, 1896.

4513. *costalis* FABRICIUS, Syst. Ent., 644, 1775; STEPHENS, Ill. Brit. Ent., Haust., iv, 27, 1834; HEINEMANN, Kleinschm., i, 2, 15, 1865; MEYRICK, Handb. Brit. Lep., 427, 1895. Eur., Atl. States.
- syn. *fimbrialis* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 124, 1776.
- a. hyllalis* WALKER, Cat. Brit. Mus., xvii, 265, 1859.

PYRALIS Linnæus.

LINNÆUS, Syst. Nat., i, 533, 1758; STEPHENS, Ill. Brit. Ent., Haust., iv, 24, 1834; MEYRICK, Handb. Brit. Lep., 426, 1895; HAMPSON, Trans. Ent. Soc. Lond., 507, 1896; *Asopia* TREITSCHKE, Schm. Eur., vi, 2, 316, 1828.

- *4514. *cuprina* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 497, 1872. Mo., Tex.
- *4514. l. *costiferalis* WALKER, Cat. Brit. Mus., xxxv, 1977, 1866. Me., N. J., N. C.
- syn. *costiferalis* WALKER (not WALKER), Cat. Brit. Mus., xxxiv, 1226, 1865.
- *4515. *electalis* HULST, Trans. Am. Ent. Soc., xiii, 146, 1886. Ariz.

4516. *farinalis* LINNÆUS, Syst. Nat., i, 533, 1758; U. S., Eur.,
STEPHENS, Ill. Brit. Ent., Haust., iv, 25, 1834; Asia.
HÜBNER, Pyr., f. 95, 1796; TREITSCHKE, Schm.
Eur., vii, 147, 1829; DUPONCHEL, Hist. Nat.
Lép. Fr., viii, 193, 1831; HERRICH-SCHAEFFER,
Schm. Eur., iv, 121, 1848; GUENÉE, Spec. Gén.,
viii, 119, 1854; HEINEMANN, Kleinschm., i, 2,
16, 1865; MEYRICK, Handb. Brit. Lep., 427,
1895.
- HERCULIA Walker.
- WALKER, Cat. Brit. Mus., xix, 807, 1859; HAMPSON, Trans. Ent. Soc. Lond., 517,
1896; *Cisse* WALKER, Cat. Brit. Mus., xxvii, 125, 1863; *Buzala* WALKER, Cat. Brit.
Mus., xxvii, 129, 1863; *Ocrasa* WALKER, Cat. Brit. Mus., xxxiv, 1212, 1865; *Lira*
WALKER, Cat. Brit. Mus., xxxiv, 1254, 1865; *Bejuda* WALKER, Cat. Brit. Mus.,
xxxiv, 1273, 1865; *Pseudasopia* GROTE, Bull. Buff. Soc., i, 172, 1873.
- *4517. *binodulalis* ZELLER, Verh. zool.-bot. Ges. Wien, Tex.
xxii, 501, 1872.
4518. *thymetusalis* WALKER, Cat. Brit. Mus., xviii, Can., Mass.,
565, 1859. N. Y.
syn. *devialis* GROTE, Bull. Buff. Soc., ii, 229,
1875.
- *4519. *cohortalis* GROTE, Can. Ent., x, 233, 1878. Col.
4520. *intermedialis* WALKER, Trans. Ent. Soc. Lond., N. E., N. Y.,
(3), i, 118, 1862. West. States.
syn. *sodalis* WALKER, Char. Lep. Het., 60,
1869; *squamcalis* GROTE, Bull. Buff. Soc.,
i, 172, 1873.
4521. *olinalis* GUENÉE, Spec. Gén., viii, 118, 1854; U. S.,
ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 499, Can.
1872.
syn. *trentonalis* LEDERER, Wien. ent. Mon.,
vii, 458, 1863.
- *4522. *planalis* GROTE, No. Am. Ent., i, 95, 1880. Col.
syn. *anniculalis* HULST, Tr. Am. Ent. Soc.,
xiii, 147, 1886; *occidentalis* HULST, Tr. Am.
Ent. Soc., xiii, 147, 1886.
4523. *himonialis* ZELLER, Verh. zool.-bot. Ges. Wien, Mass.
xxii, 500, 1872.
- OMPHALOCERA Lederer.
- LEDERER, Wien. ent. Mon., vii, 339, 1863.
4524. *cariosa* LEDERER, Wien. ent. Mon., vii, 339, So. Atl. Sta.,
1863. So. Am.
4525. *dentosa* GROTE, Bull. U. S. Geol. Surv., vi, 272, U. S.
1881.

Subfamily CHRYSAUGINÆ.

By C. H. FERNALD.

SALOBRANA Walker.

WALKER, Cat. Brit. Mus., xxviii, 446, 1863; HAMPSON, Proc. Zool. Soc. Lond., 649, 1897; *Clydonopterum* RILEY, Am. Ent., iii, 287, 1880.4526. *tecomæ* RILEY, Am. Ent., iii, 288, 1880. Mo., W. I.,
So. Am.

ÆCTOPERIA Zeller.

ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 331, 1875; RAGONOT, Ann. Soc. Ent. Fr., 494, 1891.

4527. *sincera* ZELLER, Verh. zool.-bot. Ges. Wien, Tex.
xxv, 332, 1875.

TOSALE Walker.

WALKER, Cat. Brit. Mus., xxviii, 447, 1863; RAGONOT, Ann. Soc. Ent. Fr., 499, 1891; HAMPSON, Proc. Zool. Soc. Lond., 652, 1897; *Fabatana* WALKER, Cat. Brit. Mus., xxxiv, 1265, 1865; *Siparocera* GROTE, Ann. Lyc. Nat. Hist. N. Y., xi, 128, 1875.4528. *oviplagalis* WALKER, Cat. Brit. Mus., xxxiv, Atl. States,
1265, 1865. Tex., W. I.,
So. Am.syn. *nobilis* GROTE, Ann. Lyc. Nat. Hist.
N. Y., xi, 128, 1875; *anthæcioides* GROTE &
ROBINSON, Trans. Am. Ent. Soc., i, 15, 1867.

PARACHMA Walker.

WALKER, Cat. Brit. Mus., xxxiv, 1263, 1865; HAMPSON, Proc. Zool. Soc. Lond., 659, 1897; *Zazaca* WALKER, Cat. Brit. Mus., xxxiv, 1269, 1865; *Perscis* RAGONOT, Ann. Soc. Ent. Fr., 538, 1891.*4529. *ochracealis* WALKER, Cat. Brit. Mus., xxxiv, Fla., Tex.
1263, 1865.syn. *auratalis* WALKER, Cat. Brit. Mus., xxxiv,
1269, 1865; *culiculalis* HULST, Tr. Am. Ent.
Soc., xiii, 147, 1886.

ARTA Grote.

GROTE, Bull. Buff. Soc., ii, 229, 1875; HAMPSON, Proc. Zool. Soc. Lond., 669, 1897; *Heliades* RAGONOT, Ann. Soc. Ent. Fr., 534, 1891.4530. *statalis* GROTE, Bull. Buff. Soc., ii, 230, 1875. N.Y., Ariz.,
syn. *epicanalis* RAGONOT, Ann. Soc. Ent. Fr., Fla.
536, 1891; *mulleolella* HULST, Ent. Am., iii,
133, 1887.4531. *olivalis* GROTE, Can. Ent., x, 24, 1878. Tex.

CONDYLOLOMIA Grote.

GROTE, Bull. Buff. Soc., i, 176, 1873; RAGONOT, Ann. Soc. Ent. Fr., 510, 1891; HAMPSON, Proc. Zool. Soc. Lond., 673, 1897.

*4532. *participialis* GROTE, Bull. Buff. Soc., i, 177, 1873. Mass., Pa.

GALASA Walker.

WALKER, Cat. Brit. Mus., xxxv, 1801, 1866; HAMPSON, Proc. Zool. Soc. Lond., 674, 1897; *Cordylopeza* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 206, 1873.

4533. *rubidana* WALKER, Cat. Brit. Mus., xxxv, 1802, 1866. Atl. States, W. I.

syn. *nigrinodis* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 206, 1873.

ACALLIS Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 540, 1891; HAMPSON, Proc. Zool. Soc. Lond., 677, 1897.

*4534. *griphalis* HULST, Trans. Am. Ent. Soc., xiii, 146, 1886. Tex., Ariz., Col.

syn. *fernaldi* RAGONOT, Ann. Soc. Ent. Fr., 540, 1891; *angustipennis* WARREN, Ann. Mag. Nat. Hist., (6), vii, 494, 1891.

CHALINITIS Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 528, 1891; HAMPSON, Proc. Zool. Soc. Lond., 684, 1897.

*4535. *olealis* RAGONOT, Ann. Soc. Ent. Fr., 529, 1891. Fla.

Subfamily SCHENOBIINÆ.

By C. H. FERNALD.

AMESTRIA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 545, 1891; HAMPSON, Proc. Zool. Soc. Lond., 904, 1895.

*4536. *oculiferalis* RAGONOT, Ann. Soc. Ent. Fr., 546, 1891. Tex.

PATISSA Moore.

MOORE, Lep. Ceyl., iii, 388, 1886; HAMPSON, Proc. Zool. Soc. Lond., 910, 1895.

4537. *xantholeucalis* GUENÉE, Spec. Gén., viii, 253, 1854. Ga., Fla.
syn. *fasciella* FERNALD, Ent. Am., iii, 38, 1887.

*4538. *flavicostella* FERNALD, Ent. Am., iii, 38, 1887. Fla.

*4539. *vestaliella* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 532, 1872. Fla., Tex.

SCIRPOPHAGA Treitschke.

TREITSCHKE, Schm. Eur., ix, 1, 55, 1832; HERRICH-SCHAEFFER, Schm. Eur., iv, 52, 1848; ZELLER, Chil. et Cram., 1, 1863; HEINEMANN, Kleinschm., i, 2, 110, 1865; HAMPSON, Proc. Zool. Soc. Lond., 912, 1895.

*4540. *albinella* CRAMER, Pap. Exot., iv, pl. 372, f. D, 1781. So. Am., Fla.

syn. *nivea* WALKER, Cat. Brit. Mus., xxviii, 524, 1863.

4541. *perstrialis* HÜBNER, Zutr. exot. Schmett., iii, 18, 1825. Fla.

syn. *serriradiellus* WALKER, Cat. Brit. Mus., xxvii, 161, 1863; *macrinellus* ZELLER, Stett. ent. Zeit., xxvii, 152, 1866; Hor. Soc. Ent. Ross., xiii, 10, 1877.

SCHÆNOBIUS Duponchel.

DUPONCHEL, Cat. Lép. Eur., 312, 1844; ZELLER, Chil. et Cram., 3, 1863; HEINEMANN, Kleinschm., i, 2, 111, 1865; FERNALD, Ent. Am., iv, 135, 1888; MEYRICK, Handb. Brit. Lep., 400, 1895; HAMPSON, Proc. Zool. Soc. Lond., 915, 1895.

4542. *sordidellus* ZINCKEN, Germ. Mag., iv, 247, 1821; ZELLER, Chil. et Cram., 4, 1863; FERNALD, Ent. Am., iv, 136, 1888. Ga., Fla., Ill.

4543. *unipunctellus* ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 314, 1870; FERNALD, Ent. Am., iv, 136, 1888. Fla., Ill., Tex.

4544. *tripunctellus* ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 314, 1870; FERNALD, Ent. Am., iv, 136, 1888. Tex.

4545. *melinellus* CLEMENS, Proc. Acad. Nat. Sci. Phil., 205, 1860; ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 313, 1870; FERNALD, Ent. Am., iv, 137, 1888. Atl. States.

a. dispersellus ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 313, 1870; FERNALD, Ent. Am., iv, 138, 1888. Me. to Tex.

b. albicostellus FERNALD, Ent. Am., iv, 138, 1888.

*4546. *clemensellus* ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 313, 1870; FERNALD, Ent. Am., iv, 138, 1888. Atl. States.

syn. *aquilellus* CLEMENS (not HÜBNER), Proc. Acad. Nat. Sci. Phil., 205, 1860.

4547. *forficellus* THUNBERG, Diss., v, 98, 1794; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 188, 1901. Eur., Eastern States.

syn. *longirostrellus* CLEMENS, Proc. Acad. Nat. Sci. Phil., 205, 1860; ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 312, 1870; FERNALD, Ent. Am., iv, 139, 1888.

*4548. *maximellus* FERNALD, Can. Ent., xxiii, 30, 1891. Tex.

Subfamily CRAMBINÆ.

(C.=FERNALD, The Crambide of No. Am., Sp. Bull. Mass. Agr. Coll., Jan., 1896.)

UINTA Hulst.

HULST, Ent. Am., iv, 116, 1888; FERNALD, C. 12, 1896.

- *4549. *oreadella* HULST, Ent. Am., iv, 116, 1888; FER- Col.
NALD, C. 13, 1896.

MESOLIA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 282, 1888; HAMPSON, Proc. Zool. Soc. Lond., 962, 1895.

- *4550. *incertella* ZINCKEN, Germ. Mag., iv, 253, 1821; N. C.,
ZELLER, Chil. et Cram., 14, 1863; ROBINSON, Ga.,
Ann. Lyc. Nat. Hist. N. Y., ix, 315, 1870; FER- Ill.
NALD, C. 15, 1896.
syn. *olivella* GROTE, Bull. U. S. Geol. Surv.,
vi, 274, 1881.

PRIONAPTERYX Stephens.

STEPHENS, Ill. Brit. Ent., Haust., iv, 316, 1834; ZELLER, Chil. et Cram., 13, 1863;
HAMPSON, Proc. Zool. Soc. Lond., 963, 1895; FERNALD, C. 13, 1896; *Nutrax* WALKER,
Cat. Brit. Mus., xxvii, 188, 1863.

4551. *nebulifera* STEPHENS, Ill. Brit. Ent., Haust., iv, Tex.
317, 1834; WOOD, Ind. Ent., f. 1484, 1854;
ZELLER, Chil. et Cram., 13, 1863; FERNALD, C.
14, 1896.
4552. *achatina* ZELLER, Chil. et Cram., 13, 1863; Tex.,
FERNALD, C. 14, 1896. Ariz.
- *4552. 1. *cuneolalis* HULST, Tr. Am. Ent. Soc., xiii, 166, Tex.
1886; FERNALD, C. 15, 1896.

EUGROTEA Fernald.

FERNALD, C. 16, 1896.

- *4553. *dentella* FERNALD, C. 16, 1896. Fla.

PSEUDOSCHÆNOBIUS Fernald.

FERNALD, Smith's List Lep. Bor. Am., 85, 1891; C. 17, 1896.

4554. *opalescalis* HULST, Trans. Am. Ent. Soc., xiii, Ariz.,
167, 1886; FERNALD, C. 18, 1896. Cal.
syn. *griseosparsa* HAMPSON, Proc. Zool. Soc.
Lond., 964, 1895.

RAPHIPTERA Hampson.

HAMPSON, Proc. Zool. Soc. Lond., 962, 1895.

4555. *minimella* ROBINSON, Ann. Lyc. Nat. Hist. N. Y., N. Y., Pa.,
ix, 315, 1870; FELT, Gr.-Eat. Ins., 88, 1894; Ill., Tex.
FERNALD, C. 23, 1896.
- *4556. *argillaceella* PACKARD, Proc. Bost. Soc. Nat. Lab.
Hist., xi, 54, 1867; FERNALD, C. 24, 1896.

CRAMBUS Fabricius.

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4557. *satrapellus* ZINCKEN, Germ. Mag., iv, 247, 1821; Ga.,
ZELLER, Chil. et Cram., 16, 1863; FELT, Gr.-Eat. Fla.,
Ins., 89, 1894; FERNALD, C. 22, 1896. Tex.
- syn. *aculeitellus* WALKER, Cat. Brit. Mus.,
xxvii, 158, 1863; *elegantellus* WALKER, Cat.
Brit. Mus., xxvii, 179, 1863.
4558. *hastiferellus* WALKER, Cat. Brit. Mus., xxvii. N. S., Pa.,
155, 1863; FERNALD, C. 22, 1896. Fla., La.
- syn. *quinquareatus* ZELLER, Hor. Soc. Ent.
Ross., xiii, 38, 1877; *extorvalis* HULST, Trans.
Am. Ent. Soc., xiii, 165, 1886.
- *4559. *occidentalis* GROTE, Can. Ent., xii, 16, 1880; Can. Cal.
Ent., xiii, 66, 1881; FERNALD, C. 23, 1896.
4560. *hamellus* THUNBERG, Diss. Ent., 97, 1794; Eur.,
HERRICH-SCHAEFFER, Schm. Eur., iv, 53, 1848; Me.
WOOD, Ind. Ent., f. 1491, 1854; STANTON,
Man., ii, 181, 1859; ZELLER, Chil. et Cram., 17,
1863; HEINEMANN, Kleinschm., i, 2, 119, 1865;
MEYRICK, Handb. Brit. Lep., 389, 1895; FER-
NALD, C. 25, 1896.
- syn. *ensigerella* HÜBNER, Schm. Eur., Tinea,
pl. liv, f. 367 (false 667), 1803?; ZINCKEN,
Germ. Mag., ii, 53, 1817; TREITSCHKE,
Schm. Eur., ix, 1, 79, 1832; DUPONCHEL,
Hist. Nat. Lép., x, 57, 1836.
4561. *cypridalis* HULST, Trans. Am. Ent. Soc., xiii. Utah.
165, 1886; FERNALD, C. 26, 1896.

- *4562. **carpenterellus** PACKARD, Rep. Hayd. Surv., 548, 1873; FERNALD, C. 26, 1896. Mts. of Col.
4563. **pascuellus** LINNÆUS, Syst. Nat., 535, 1758; Faun. Suec., 355, 1761; FABRICIUS, Syst. Ent., 658, 1775; HÜBNER, Schm. Eur., Tineæ, pl. v, f. 51, 1796; ZINCKEN, Germ. Mag., ii, 49, 1817; TREITSCHKE, Schm. Eur., ix, 1, 75, 1832; STEPHENS, Ill. Brit. Ent., Haust., iv, 320, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 53, 1848; ZELLER, Chil. et Cram., 20, 1863; HEINEMANN, Kleinschm., i, 2, 120, 1865; MEYRICK, Handb. Brit. Lep., 390, 1895; FERNALD, C. 27, 1896. Eur., Atl. States, Cal.
syn. *floridus* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 537, 1872; FELT, Gr.-Eat. Ins., 78, 86, 1894.
4564. **girardellus** CLEMENS, Proc. Acad. Nat. Sci. Phil., 294, 1860; FELT, Gr.-Eat. Ins., 73, 86, 1894; FERNALD, C. 28, 1896. Can., Atl. States.
syn. *nivihumellus* WALKER, Cat. Brit. Mus., xxvii, 159, 1863.
4565. **leachellus** ZINCKEN, Germ. Mag., iii, 114, 1818; FELT, Gr.-Eat. Ins., 71, 85, 1894; FERNALD, C. 29, 1896. Me. to Cal.
syn. *pulchellus* ZELLER, Chil. et Cram., 18, 1863; Verh. zool.-bot. Ges. Wien, xxii, 535, 1872.
4566. **unistriatellus** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 54, 1867; FELT, Gr.-Eat. Ins., 85, 1894; FERNALD, C. 30, 1896. Labr., Atl. States, Minn., Cal.
syn. *caesus* GROTE, Can. Ent., xii, 16, 1880; No. Am. Ent., i, 68, 1880.
4567. **præfectellus** ZINCKEN, Germ. Mag., iv, 249, 1821; FERNALD, C. 31, 1896. Can., Atl. States, Col.
syn. *involutellus* CLEMENS, Proc. Acad. Nat. Sci. Phil., 203, 1860.
- *4568. **dissectus** GROTE, Can. Ent., xii, 16, 1880; FERNALD, C. 31, 1896. Me., N. Y.
4569. **bidens** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 535, 1872; FERNALD, C. 32, 1896. Mass., N. Y.
4570. **labradoriensis** CHRISTOPH, Stett. ent. Zeit., xix, 314, 1858; MÖSCHLER, Wien. ent. Mon., iv, 379, 1860; ZELLER, Chil. et Cram., 21, 1863; FERNALD, C. 32, 1896. Labr., Ont., Oreg.

4571. *dumetellus* HÜBNER, Eur. Schmett., Tineæ, pl. lviii, f. 389, 390, 1803?; TREITSCHKE, Schmett. Eur., ix, 1, 80, 1832; STEPHENS, Ill. Brit. Ent., Haust., iv, 321, 1834; HERRICH-SCHAEFFER, Schmett. Eur., iv, 54, 1848; ZELLER, Chil. et Cram., 24, 1863; HEINEMANN, Kleinschm., i, 2, 122, 1865; MEYRICK, Handb. Brit. Lep., 391, 1895; FERNALD, C. 33, 1896.
syn. *pratella* HÜBNER, Eur. Schmett., Tineæ, pl. v, f. 29, 1796; *trichusalis* HULST, Trans. Am. Ent. Soc., xiii, 165, 1886.
- *4572. *gausapalis* HULST, Trans. Am. Ent. Soc., xiii, 167, 1886; FERNALD, C. 34, 1896. Sierra Nev. Mts., Cal.
4573. *laqueatellus* CLEMENS, Proc. Acad. Nat. Sci. Phil., 203, 1860; ZELLER, Chil. et Cram., 24, 1863; Verh. zool.-bot. Ges. Wien, xxii, 538, 1872; FELT, Gr.-Eat. Ins., 79, 89, 1894; FERNALD, C. 35, 1896. Me., Mass., N. Y., Ohio, Ill., Ky., La., Tex.
syn. *semifusellus* WALKER, Cat. Brit. Mus., xxvii, 159, 1863.
- *4574. *alboclavellus* ZELLER, Chil. et Cram., 19, 1863; Verh. zool.-bot. Ges. Wien, xxii, 538, 1872; FELT, Gr.-Eat. Ins., 77, 88, 1894; FERNALD, C. 36, 1896. Atl. States.
4575. *agitatellus* CLEMENS, Proc. Acad. Nat. Sci. Phil., 203, 1860; FELT, Gr.-Eat. Ins., 88, 1894; FERNALD, C. 37, 1896. No. Atl. States, Tex.
syn. *saltuellus* ZELLER, Chil. et Cram., 22, 1863.
4576. *multilinellus* FERNALD, Ent. Am., iii, 37, 1887. Fla.
syn. *multilineellus* FERNALD, C. 37, 1896.
4577. *albellus* CLEMENS, Proc. Acad. Nat. Sci. Phil., 204, 1860; FELT, Gr.-Eat. Ins., 76, 88, 1894; FERNALD, C. 38, 1896. N. Atl. States.
4578. *pusionellus* ZELLER, Chil. et Cram., 16, 1863; Stett. ent. Zeit., xxxiii, 470, 1872; Hor. Soc. Ent. Ross., xiii, 33, 1877; FERNALD, C. 39, 1896. Cal.
4579. *hortuellus* HÜBNER, Eur. Schm., Tineæ, 29, pl. vii, f. 46, 1796; ZINCKEN, Germ. Mag., ii, 62, 1817; TREITSCHKE, Schm. Eur., ix, 1, 84, 1832; STEPHENS, Ill. Brit. Ent., Haust., iv, 322, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 59, 1848; ZELLER, Chil. et Cram., 24, 1863; HEINEMANN, Kleinschm., i, 2, 125, 1865; MEYRICK, Handb. Brit. Lep., 391, 1895; FERNALD, C. 40, 1896.
syn. *cespitella* HÜBNER, Eur. Schm., Tineæ, 29, pl. vii, f. 45, 1796; *topiarius* ZELLER, Stett. ent. Zeit., xxvii, 155, 1866; GROTE, Can. Ent., xii, 17, 1880; FELT, Gr.-Eat. Ins., 75, 87, 1894; SCUDDER, Ins. Life, vii, 1, 1894.

4580. **perlellus** SCOPOLI, Ent. Carn., 243, 1763; FABRICIUS, Ent. Syst., iii, 2, 292, 1794; HÜBNER, Schm. Eur., Tineæ, pl. vi, f. 40, 1796; ZINCKEN, Germ. Mag., ii, 97, 1817; TREITSCHKE, Schm. Eur., ix, 1, 129, 1832; HERRICH-SCHAEFFER, Schm. Eur., iv, 66, 1848; ZELLER, Stett. ent. Zeit., ix, 313, 1849; Chil. et Cram., 49, 1863; HEINEMANN, Kleinschm., i, 2, 143, 1865; MEYRICK, Hand. Brit. Lep., 393, 1895; FERNALD, C. 43, 1896.
- syn. *argentella* FABRICIUS, Syst. Ent., 658, 1775; Ent. Syst., iii, 2, 296, 1794; Ent. Syst., suppl., 471, 1798; STEPHENS, Ill. Brit. Ent., Haust., iv, 319, 1834; *argyreus* STEPHENS, Ill. Brit. Ent., Haust., iv, 318, 1834; *arborum* STEPHENS, Ill. Brit. Ent., Haust., iv, 319, 1834; *innotatellus* WALKER, Cat. Brit. Mus., xxvii, 156, 1863; FELT, Gr.-Eat. Ins., 74, 87, 1894; *sericinellus* ZELLER, Chil. et Cram., 49, 1863; GROTE, Can. Ent., xiii, 66, 1881; *inornatellus* CLEMENS, Proc. Ent. Soc. Phil., ii, 418, 1864.
4581. **turbatellus** WALKER, Cat. Brit. Mus., xxvii, 196, 1863; FELT, Gr.-Eat. Ins., 86, 1894; FERNALD, C. 44, 1896.
- syn. *bipunctellus* ZELLER, Chil. et Cram., 23, 1863; ROBINSON, Lyc. Nat. Hist. N. Y., ix, 316, 1870.
4582. **elegans** CLEMENS, Proc. Acad. Nat. Sci. Phil., 204, 1860; ZELLER, Stett. ent. Zeit., xxxiii, 473, 1872; FELT, Gr.-Eat. Ins., 74, 86, 1894; FERNALD, C. 45, 1896.
4583. **myellus** HÜBNER, Eur. Schm., Tineæ, pl. vi, f. 37, 1796; HERRICH-SCHAEFFER, Schm. Eur., iv, 64, 1848; HEINEMANN, Kleinschm., i, 2, 133, 1865; MEYRICK, Handb. Brit. Lep., 392, 1895; FERNALD, C. 46, 1896.
- syn. *conchellus* TREITSCHKE, Schm. Eur., ix, 1, 97, 1832; *latiradiellus* WALKER, Cat. Brit. Mus., xxvii, 157, 1863; *interruptus* GROTE, Can. Ent., ix, 101, 1877.
- *4584. **luctuellus** HERRICH-SCHAEFFER, Schm. Eur., vi, 145, 1852; FERNALD, C. 47, 1896.
4585. **vulgivagellus** CLEMENS, Proc. Ac. Nat. Sci. Phil., 204, 1860; SAUNDERS, Can. Ent., xiii, 199, 1881; RILEY, Rept. Dept. Agr., 179, 1881-82; LINTNER, Rep. Ins. N. Y., i, 127, 1882; FERNALD, Stand. Nat. Hist., ii, 433, 1884; FELT, Gr.-Eat. Ins., 69, 85, 1894; FERNALD, C. 47, 1896.
- syn. *aurijmbrialis* WALKER, Cat. Brit. Mus., xxvii, 157, 1863; *chalybistrostris* ZELLER, Chil. et Cram., 40, 1863.

No.
Atl.
States,
Cal.

Can., N. Y.,
Pa., Ohio,
Ill.

Atl.
States.

Eur., N. S.,
Me.

Eur., Labr.,
Wash.

No. U. S.,
Cal.

4586. *biothanatalis* HULST, Trans. Am. Ent. Soc., xiii, 166, 1886; FERNALD, C. 49, 1896. Cal.
 syn. *behrensellus* FERNALD, Ent. Am., iii, 37, 1887.
4587. *ruricolellus* ZELLER, Chil. et Cram., 40, 1863; FELT, Gr.-Eat. Ins., 67, 1894; FERNALD, C. 49, 1896. No. Atl. States.
- *4588. *anceps* GROTE, Can. Ent., xii, 18, 1880; FERNALD, C. 50, 1896. Cal.
4589. *teterrellus* ZINCKEN, Germ. Mag., iv, 252, 1821; MURTFELDT, Bull. U. S. Dept. Agr., no. 30, 53, 1893; FELT, Gr.-Eat. Ins., 66, 84, 1894; FERNALD, C. 51, 1896. Atl. States.
 syn. *camurellus* CLEMENS, Proc. Ac. Nat. Sci. Phil., 203, 1860; *terrellus* ZELLER, Chil. et Cram., 27, 1863.
4590. *decorellus* ZINCKEN, Germ. Mag., iv, 250, 1821; ZELLER, Chil. et Cram., 27, 1863; Verh. zool.-bot. Ges. Wien, xxii, 538, 1872; FERNALD, Ent. Amer., iv, 44, 1888; FELT, Gr.-Eat. Ins., 84, 1894; FERNALD, C. 52, 1896. Atl. States.
 syn. *polyactinellus* ZELLER, Chil. et Cram., 25, 1863; *goodellianus* GROTE, Can. Ent., xii, 17, 1880; *bonusculalis* HULST, Tr. Am. Ent. Soc., xiii, 167, 1886.
- *4591. *coloradellus* FERNALD, Can. Ent., xxv, 95, 1893; C. 52, 1896. Col.
- *4592. *bolterellus* FERNALD, Ent. Amer., iii, 37, 1887; C. 53, 1896. Tex.
- *4593. *hulstellus* FERNALD, Can. Ent., xvii, 56, 1885; FELT, Gr.-Eat. Ins., 83, 1894; FERNALD, C. 53, 1896. Tex.
4594. *attenuatus* GROTE, Can. Ent., xii, 18, 1880; FERNALD, C. 54, 1896. Br. Col., Cal.
- *4595. *albilineellus* FERNALD, Can. Ent., xxv, 94, 1893; C. 55, 1896. So. Cal.
4596. *haytiellus* ZINCKEN, Germ. Mag., iv, 254, 1821; FERNALD, C. 55, 1896. Tex., Haiti.
- *4597. *trichostomus* CHRISTOPH, Stett. ent. Zeit., xix, 313, 1858; MÖSCHLER, Wien. ent. Mon., iv, 379, 1860; ZELLER, Chil. et Cram., 28, 1863; FERNALD, C. 56, 1896. Labr.
 syn. *albisinuatella* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 53, 1867.

4598. *truncatellus* ZETTERSTEDT, Ins. Lap., 995, 1840; No. Eur.,
ZELLER, Chil. et Cram., 28, 1863; HEINEMANN, Hudson
Kleinschm., i, 2, 128, 1865. Bay.
- syn. *lionigiellus* ZELLER, Stett. ent. Zeit., iv,
139, 1843; *abstrusellus* WALKER, Cat. Brit.
Mus., xxvii, 158, 1863; *rufinalis* WALKER,
Cat. Brit. Mus., xxxiv, 1133, 1865.
- *4599. *oregonicus* GROTE, Can. Ent., xii, 17, 1880; Oreg.
FERNALD, C. 56, 1896.
4600. *bonifatellus* HULST, Ent. Am., iii, 135, 1887; Col.
FERNALD, C. 57, 1896.
4601. *mutabilis* CLEMENS, Proc. Acad. Nat. Sci. Phil., Can. to
204, 1860; FELT, Gr.-Eat. Ins., 64, 83, 1894; Tex.
FERNALD, C. 57, 1896.
- syn. *fuscicostellus* ZELLER, Chil. et Cram., 44,
1863.
4602. *hemiochrellus* ZELLER, Hor. Soc. Ent. Ross., xiii, Tex.
49, 1877; FERNALD, C. 58, 1896.
- *4603. *undatus* GROTE, Can. Ent., xiii, 35, 1881; Cal.
FERNALD, C. 58, 1896.
4604. *trisectus* WALKER, Cat. Brit. Mus., ix, 119, 1856; Atl. States,
FERNALD, C. 59, 1896. Col., B. C.
- syn. *interminellus* WALKER, Cat. Brit. Mus.,
xxvii, 156, 1863; FELT, Gr.-Eat. Ins., 62, 83,
1894; *evsiccatus* ZELLER, Chil. et Cram., 37,
1863; LINTNER, Rep. Ins. N. Y., i, 149, 1882;
OSBORN, Rep. Dept. Agr., 154, 1887; *bili-
turellus* ZELLER, Verh. zool.-bot. Ges. Wien,
xxiv, 7, 1874.
- *4605. *laciniellus* GROTE, Can. Ent., xii, 18, 1880; Me.
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- *4606. *dimidiatellus* GROTE, Ann. Mag. Nat. Hist., (5), ii, Col.,
57, 1883; FERNALD, C. 61, 1896. N. Mex.
4607. *caliginosellus* CLEMENS, Proc. Acad. Nat. Sci. Atl.
Phil., 204, 1860; FELT, Gr.-Eat. Ins., 61, 82, 1894; States.
FERNALD, C. 61, 1896.
4608. *zeëllus* FERNALD, Can. Ent., xvii, 55, 1885; Atl.
FORBES, Third Ill. Rep., 12, 15, 1885; FERNALD, States.
C. 62, 1896. Col.
- syn. *refotalis* HULST, Tr. Am. Ent. Soc., xiii,
166, 1886.
4609. *luteolellus* CLEMENS, Proc. Acad. Nat. Sci. Phil., Me. to Cal.
203, 1860; FELT, Gr.-Eat. Ins., 61, 82, 1894;
FERNALD, C. 64, 1896.
- syn. *duplicatus* GROTE, Can. Ent., xii, 79,
1880.
- a. *ulæ* COCKERELL, Ent. Mon. Mag., xxiv, 272, Ariz.,
1885; FERNALD, C. 65, 1896. Col.

- *4610. *inornatellus* WALKER, Cat. Brit. Mus., xxiv, 157, 1863. Nova Scotia.

THAUMATOPSIS Morrison.

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- *4611. *magnifica* FERNALD, Can. Ent., xxiii, 30, 1891; Col.
C. 66, 1896.
4612. *pexella* ZELLER, Chil. et Cram., 48, 1863; FERNALD, C. 66, 1896. Ga., Mo., Col.
syn. *macropterellus* ZELLER, Chil. et Cram., 48, 1863; *longipalpus* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 161, 1874.
4613. *edonis* GROTE, Can. Ent., xii, 19, 1880; FERNALD, C. 67, 1896. N. C., Kans.
4614. *repanda* GROTE, Can. Ent., xii, 79, 1880; FERNALD, C. 67, 1896. Tex., Ariz., Kans., Col.
- *4615. *striatella* FERNALD, C. 68, 1896. No. Ill.
4616. *pectinifer* ZELLER, Hor. Soc. Ent. Ross., xiii, 51 1877; FERNALD, C. 68, 1896. Tex.

EUFERNALDIA Hulst.

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4617. *argenteonervella* HULST, Jn. N. Y. Ent. Soc., viii, 224, 1901. Ariz.

OMMATOPTERYX Kirby.

KIRBY, Handb. Lep., 274, 1897; *Eromene* HÜBNER (not HÜBNER, Verz. bek. Schm., 256), Verz. bek. Schm., 366, 1826; ZELLER, Chil. et Cram., 52, 1863; LEECH, Brit. Pyr., 87, 1886; HAMPSON, Proc. Zool. Soc. Lond., 948, 1895; *Euchromius* GUENÉE (not *Euchromia* HÜBNER), Ind. Méth., 86, 1845; MEYRICK, Trans. Ent. Soc. Lond., 479, 1890; Handb. Brit. Lep., 396, 1895; FERNALD, C. 68, 1896.

4618. *ocellea* HAWORTH, Lep. Brit., 486, 1811; STEPHENS, Ill. Brit. Ent., Haust., iv, 316, 1834; ZELLER, Chil. et Cram., 54, 1863; LEECH, Brit. Pyr., 87, 1886; MEYRICK, Handb. Brit. Lep., 396, 1895; HAMPSON, Moths Ind., iv, 24, 1896; FERNALD, C. 69, 1896. Eur., No. Africa, So. Asia, Australia, Hawaii, Tex., Ariz., Cal.

syn. *funiculella* TREITSCHKE, Schm. Eur., ix, 1, 200, 1832; ZELLER, Isis, vi, 175, 1839; *cyrilella* COSTA, Faun. Nap. Lep., 2, 1832-36; *cyrilli* ZELLER, Isis, xiv, 760, 1847; HER- RICH-SCHAEFFER, Schm. Eur., iv, 67, 1848; *terana* ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 155, 1870; *californicalis* PACK- ARD, Ann. Lyc. Nat. Hist. N. Y., x, 264, 1873.

4619. *virescens* HULST, Jn. N. Y. Ent. Soc., viii, 225, 1901. Ariz.

ARGYRIA Hübner.

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4620. *nivalis* DRURY, Ill. Exot. Ent., ii, 25, 1773; FERNALD, No. Am. Ent., 100, 1880; FELT, Can. Ent., xxvii, 96, 1894; FERNALD, C. 71, 1896. Atl. States.

syn. *argentata* EMMONS, Nat. Hist. N. Y. Agr., v, pl. 40, 1854; *microchysella* WALKER, Cat. Brit. Mus., xxvii, 181, 1863; *nummulalis* ZELLER, Chil. et Cram., 51, 1863.

4621. *argentana* MARTYN, Psyche, pl. xxxii, f. 95, 1797; FERNALD, C. 71, 1896. Pa., Ga., Fla., Ill.

syn. *nummulalis* HÜBNER, Zutr. exot. Schmett., i, 30, f. 185, 186, 1818; FERNALD, No. Am. Ent., 101, 1880; *subnenscens* WALKER, Cat. Brit. Mus., xxvii, 182, 1863; *fuscipes* ZELLER, Chil. et Cram., 51, 1863.

4622. *auratella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 204, 1860; FERNALD, C. 72, 1896. Me. to Cal.

syn. *pulchella* WALKER, Cat. Brit. Mus., xxvii, 183, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 541, 1872.

4623. *lacteëlla* FABRICIUS, Ent. Syst., iii, 2, 313, 1794; HEDEMAN, Stett. ent. Zeit., lv, 300, 1894; FERNALD, C. 72, 1896. Fla., Tex., W. I., So. Am.

syn. *albana* FABRICIUS, Ent. Syst., Suppl., 476, 1798; HEDEMAN, Stett. ent. Zeit., lv, 300, 1894; *pussillalis* HÜBNER, Zutr. exot. Schm., i, 28, 1818; *abromalis* WALKER, Cat. Brit. Mus., xix, 969, 1859; *lusella* ZELLER, Chil. et Cram., 51, 1863; *rufisignella* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 542, 1872; *pontilla* ZELLER, Hof. Soc. Ent. Ross., xiii, 59, 1877.

DIATRÆA Guilding.

GUILDING, Trans. Soc. Enc. Arts, xlvi, 143, 1832; ZELLER, Hof. Soc. Ent. Ross, xvi, 8, 1881; FERNALD, Ent. Am., iv, 119, 1888; HAMPSON, Proc. Zool. Soc. Lond., 953, 1895; FERNALD, C. 73, 1896.

4624. *saccharalis* FABRICIUS, Ent. Syst., iii, 2, 238, 1794; COMSTOCK, Rept. Dept. Agr., 1880, 240, 1881; RILEY & HOWARD, Ins. Life, iii, 64, 1890; HOWARD, Ins. Life, iv, 95, 1891; BRUNER, Rep. Neb. St. Bd. Ag., 262, 1891; FERNALD, C. 74, 1896. So. States, W. I., Cent. & So. Am., Hawaii.

syn. *leucaniellus* WALKER, Cat. Brit. Mus., xxvii, 161, 1863; *lincosellus* WALKER, Cat. Brit. Mus., xxvii, 162, 1863; *obliteratellus* ZELLER, Chil. et Cram., 8, 1863; *crambidoides* GROTE, Can. Ent., xii, 15, 1880.

- *4625. *alleni* FERNALD, Ent. Am., iv, 120, 1888; C. 75, Me.
1896.
- *4626. *differentialis* FERNALD, Ent. Am., iv, 120, 1888; Fla.
C. 76, 1896.
4627. *idalis* FERNALD, C. 76, 1896. N. J., Ga.

CHILO Zincken.

ZINCKEN, Germ. Mag., ii, 33, 1817; STEPHENS, Ill. Brit. Ent., Haust., iv, 330, 1834; TREITSCHKE, Schm. Eur., ix, 1, 60, 1832; WESTWOOD, Syn. Gen. Brit. Ins., 114, 1839; HERRICH-SCHAEFFER, Schm. Eur., iv, 50, 1848; ZELLER, Chil. et Cram., 6, 1863; HEINEMANN, Kleinschm., i, 2, 112, 1865; MEYRICK, Trans. Ent. Soc. Lond., 480, 1890; Handb. Brit. Lep., 397, 1895; HAMPSON, Proc. Zool. Soc. Lond., 954, 1895; FERNALD, C. 77, 1896; *Epina* WALKER, Cat. Brit. Mus., xxxv, 1707, 1866; *Donacoscytes* ZELLER, Hor. Soc. Ent. Ross, xiv, 1877; *Diphrys* GROTE, Bull. U. S. Geol. Surv., vi, 273, 1881.

4628. *plejadellus* ZINCKEN, Germ. Mag., iv, 251, 1821; Pa., Ga.,
ZELLER, Chil. et Cram., 26, 1863; FERNALD, C. La., Wis.
78, 1896.

syn. *sabulifera* WALKER, Cat. Brit. Mus., xxvii, 185, 1863; *prolatella* GROTE, Bull. U. S. Geol. Surv., vi, 273, 1881; *oryzocyllus* RILEY, Rep. Dep. Agr., 1 5, 1882.

4629. *densellus* ZELLER, Hor. Soc. Ent. Ross., xvi, 5, Fla., Tex.,
1881; FERNALD, C. 79, 1896. Ill.

syn. *multilineatella* HULST, Ent. Am., iii, 134, 1887.

4630. *squamulellus* ZELLER, Hor. Soc. Ent. Ross., xvi, Tex.
5, 1881; FERNALD, C. 79, 1896.

4631. *comptulatalis* HULST, Tr. Am. Ent. Soc., xiii, Ill., Mo.,
167, 1886; FERNALD, C. 80, 1896. Col., Neb.,
Vanc. Id.

4632. *forbesellus* FERNALD, C. 80, 1896. N. Y., Ill.

CHALCOËLA Zeller.

ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 528, 1872; HAMPSON, Proc. Zool. Soc. Lond., 958, 1895.

4633. *iphitalis* WALKER, Cat. Brit. Mus., xvii, 444, 1859. So. States.
syn. *aurifera* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 529, 1872.

DICYMOLOMIA Zeller.

ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 530, 1872; HAMPSON, Proc. Zool. Soc. Lond., 959, 1895.

4634. *julianalis* WALKER, Cat. Brit. Mus., xvii, 438, So.
1859. States.
syn. *decora* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 531, 1872.

4635. *metalliferalis* PACKARD, Ann. Lyc. Nat. Hist. Cal.
N. Y., x, 265, 1873.
syn. *sauberi* HEDEMANN, Verh. Ver. Hamb., v,
Anhang, 3, 1880.
4636. *pegasalis* WALKER, Cat. Brit. Mus., xvii, 438, So. States,
1859. W. I.
syn. *principalis* WALKER, Cat. Brit. Mus.,
xxxiv, 1333, 1865; *egressalis* WALKER, Cat.
Brit. Mus., xxxiv, 1335, 1865; *robinsonii*
GROTE, Can. Ent., iii, 181, 1871.

Subfamily GALLERIINÆ.

MELISSOBLAPTES Zeller.

ZELLER, Isis, 180, 1839.

- *4636. 1. *fuscolimbellus* RAGONOT, Diag. Nouv. Phyc. (Unknown.)
Gall., 20, 1887.

GALLERIA Fabricius.

FABRICIUS, Suppl. Ent., 419, 1798.

4636. 2. *mellonella* LINNÆUS, Syst. Nat., 537, 1758; Eur.,
STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 11, U. S.
1901.
syn. *cercana* LINNÆUS, *cerella* FABRICIUS,
obliquella WALKER.

PARALIPSA Butler.

BUTLER, Ann. Mag. Nat. Hist., (5), iv, 454, 1879.

4636. 3. *fulminalis* ZELLER, Verh. zool.-bot. Ges. Wien, Tex.
xxii, 560, 1872.
- *4636. 4. *furellus* ZELLER, Verh. zool.-bot. Ges. Wien, N. Y.
xxiii, 212, 1873.
- *4636. 5. *decorella* HULST, Can. Ent., xxiv, 63, 1892. N. Y., Can.

APHOMIA Hübner.

HÜBNER, Verz. bek. Schmett., 369, 1816.

4636. 6. *sociella* LINNÆUS, Syst. Nat., 534, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 8, Eur.,
1901. U. S.
syn. *colonella* LINNÆUS, *tribunella* SCHIFFER-
MÜLLER.

ACHROIA Hübner.

HÜBNER, Verz. bek. Schmett., 163, 1816.

4636. 7. *grisella* FABRICIUS, Ent. Syst., iii, 2, 289, 1794; Eur.,
STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3, U. S.
1901.

Subfamily EPIPASCHINÆ.

By GEORGE D. HULST.

EPIPASCHIA Clemens.

CLEMENS, Proc. Acad. Sci. Phil., 14, 1860; GROTE, Proc. Bost. Soc. Nat. Hist., xix, 262, 1877; Bull. Geol. Surv. Terr., iv, 685, 1878; N. Am. Ent., i, 9, 1879; MEYRICK, Trans. Ent. Soc. Lond., 62, 1884; 187, 1887; HULST, Ent. Amer., v, 50, 1889; HAMPSON, Trans. Ent. Soc. Lond., 463, 465, 1896; *Mochlocera* GROTE, Can. Ent., viii, 151, 1876; Bull. Geol. Surv. Terr., iv, 686, 1878; N. Am. Ent., i, 9, pl. 2, f. 2, 1879; MEYRICK, Trans. Ent. Soc. Lond., 187, 1887; *Catantola* MEYRICK, Trans. Ent. Soc. Lond., 63, 280, 1884; 187, 1887; *Astropometis* MEYRICK, Trans. Ent. Soc. Lond., 67, 1884; 187, 1887.

4637. *superatalis* CLEMENS, Proc. Acad. Sci. Phil., 14, 1860; GROTE, Proc. Bost. Soc. Nat. Hist., xix, 262, 1877; Bull. Geol. Surv. Terr., iv, 686, 1878; N. Am. Ent., i, 9, pl. 1, f. 1, 1879; HULST, Ent. Amer., v, 51, 1889. U. S., east of plains, Ont., Col.

syn. *borealis* GROTE, Bull. Buff. Soc., i, 177, 1873; ii, 77, 1874; Proc. Bost. Soc. Nat. Hist., xix, 262, 1877; *olivealis* HULST, Trans. Am. Ent. Soc., xiii, 160, 1886.

- *4638. *interruptella* RAGONOT, Ann. Soc. Ent. Fr., Séances, Oct. 10, p. cl, 1888. Ariz.

4639. *zelleri* GROTE, Can. Ent., viii, 157, 1876; Proc. Bost. Soc. Nat. Hist., xix, 264, 1877; Bull. Geol. Surv. Terr., iv, 686, 1878; No. Am. Ent., i, pl. 2, f. 2, 1879; HULST, Ent. Amer., v, 52, 1889. Mo., Tex., N. Mex.

CACOZELIA Grote.

GROTE, Proc. Bost. Soc. Nat. Hist., xix, 264, 1887; Bull. Geol. Surv. Terr., iv, 687, 1878; No. Am. Ent. i, 10, pl. 2, f. 3, 1879; MEYRICK, Trans. Ent. Soc. Lond., 65, 1884; 187, 1887; HULST, Ent. Amer., v, 63, 1889.

4640. *basiochrealis* GROTE, Proc. Bost. Soc. Nat. Hist., xix, 264, 1877; Bull. Geol. Surv. Terr., iv, 687, 1878; No. Am. Ent., i, 10, pl. 2, f. 3, 1879; HULST, Ent. Amer., v, 62, 1889. Tex., Col.

JOCARA Walker.

WALKER, Cat. Brit. Mus., xxvii, 115, 1863; HAMPSON, Trans. Ent. Soc. Lond., 460, 1896; *Toripalpus* GROTE, Proc. Bost. Soc. Nat. Hist., xix, 265, 1877; HULST, Ent. Amer., v, 62, 1889; HAMPSON, Trans. Ent. Soc. Lond., 460, 1896; *Titanoceros* MEYRICK, Trans. Ent. Soc. Lond., 62, 1884; HAMPSON, Trans. Ent. Soc. Lond., 460, 1896; *Wimona* HULST, Ent. Amer., iv, 113, 1887.

4641. *incrustalis* HULST, Ent. Amer., iii, 130, 1887; v, 62, 1889; DYAR, Proc. U. S. Nat. Mus., xxiii, 283, 1900. Col., Fla.

4642. *breviornatalis* GROTE, Proc. Bost. Soc. Nat. Hist., xix, 265, 1877; Bull. Geol. Surv. Terr., iv, 688, 1878; No. Am. Ent., i, 10, pl. 2, f. 4, 1879; HULST, Ent. Amer., v, 63, 1889. Gulf States, Col.

4643. *dentilineella* HULST, Jn. N. Y. Ent. Soc., viii, 221, 1900. Ariz.

ONEIDA Hulst.

HULST, Ent. Amer., v, 63, 1889; HAMPSON, Tr. Ent. Soc. Lond., 455, 1896.

4644. *lunulalis* HULST, Ent. Amer., iii, 130, 1887; v, N. Y.,
64, 1889. Ont.
- *4645. *luniferella* HULST, Can. Ent., xxvii, 53, 1895. Col.

YUMA Hulst.

HULST, Ent. Amer., v, 65, 1889.

4646. *trabalis* GROTE, Pap., i, 18, 1881; HULST, Ent. Tex.,
Amer., v, 63, 1889; RAGONOT, Mon. Phyc., pl. Col.
3, f. 23, 1893.
- syn. *adulatalis* HULST, Ent. Amer., iii, 129,
1887; v, 65, 1889.

TALLULA Hulst.

HULST, Ent. Amer., iv, 114, 1888; v, 72, 1889; HAMPSON, Trans. Ent. Soc. Lond.,
458, 1896.

4647. *atrifascialis* HULST, Trans. Am. Ent. Soc., xiii, Gulf States,
160, 1886; Ent. Amer., iv, 115, 1888; v, 73, 1889; Col.
HAMPSON, Trans. Ent. Soc. Lond., 456, 1896.

BENTA Walker.

WALKER, Cat. Brit. Mus., xxvii, 112, 1863; HAMPSON, Trans. Ent. Soc. Lond., 456,
1896; *Saluda* HULST, Ent. Amer., iv, 113, 1888; v, 66, 1889; HAMPSON, Trans. Ent.
Soc. Lond., 456, 1896.

4648. *asperatella* CLEMENS, Proc. Acad. Nat. Sci. Phil., Ont., Eastern
207, 1860; GROTE, Bull. Geol. Surv. Terr., iv, & Gulf States,
691, 1878; HULST, Ent. Amer., iv, 113, 1888; v, Tex., Col.,
67, 1889. Wis., Ariz.

syn. *expandens* WALKER, Cat. Brit. Mus.,
xxvii, 112, 1863; HULST, Trans. Am. Ent.
Soc., xvii, 221, 1890; *fuscototella* RAGONOT,
Ann. Soc. Ent. Fr., Séances, cli, Oct. 10, 1888.

4649. *malanogrammos* ZELLER, Ver. zool.-bot. Ges. N. Y., Fla.,
Wien, xxii, 546, pl. 3, f. 24a, b, 1872; GROTE, Tex., Col.
Bull. Geol. Surv. Terr., iv, 689, 1877; HULST, Col.
Ent. Amer., v, 67, 1889.

a. diluculella GROTE, No. Am. Ent., i, 60, 68, pl.
5, f. 10, 1880; Rep. Dept. Agr., 263, 1880.

syn. *talleolalis* HULST, Trans. Am. Ent. Soc.,
xiii, 160, 1886; Ent. Amer., iii, 22, 1887; v,
67, 1889.

4650. *floridella* HULST, Jn. N. Y. Ent. Soc., viii, 221, Fla.
1901.
4651. *speciosella* HULST, Jn. N. Y. Ent. Soc., viii, 222, Fla.
1901.

LANTHAPE Clemens.

CLEMENS, Proc. Acad. Sci. Phil., 207, 1860; HULST, Ent. Amer., v, 66, 1889; HAMPSON, Trans. Ent. Soc. Lond., 456, 1896.

4652. *platanella* CLEMENS, Proc. Acad. Sci. Phil., 207, 1860; GROTE, Bull. Geol. Surv. Terr., iv, 691, 1878; HULST, Ent. Amer., iv, 114, 1888; v, 66, 1889. Eastern U. S., Col.

TIOGA Hulst.

HULST, Ent. Amer., iv, 113, 1888; v, 69, 1889; HAMPSON, Trans. Ent. Soc. Lond., 455, 1896.

4653. *aplastella* HULST, Ent. Amer., iv, 113, 1888; v, 69, 1889. Tex., Col., Fla.

WANDA Hulst.

HULST, Ent. Amer., iv, 114, 1888; v, 69, 1889; HAMPSON, Trans. Ent. Soc. Lond., 456, 1896.

4654. *baptisiella* FERNALD, Ent. Amer., iii, 128, 1887; HULST, Ent. Amer., iv, 114, 1888; v, 70, 1889. N. Y., Mo.
4655. *tiltella* HULST, Ent. Amer., iv, 114, 1888; v, 70, 1889. Tex.

TETRALOPHA Zeller.

ZELLER, Isis, 880, 1848; GROTE, Bull. Geol. Surv. Terr., iv, 688, 1878; No. Am. Ent., i, 10, pl. 2, f. 5, 1879; HULST, Ent. Amer., v, 69, 1889; HAMPSON, Trans. Ent. Soc. Lond., 456, 1896; *Katona* HULST, Ent. Amer., iv, 113, 1888; v, 69, 1889; *Loma* HULST, Ent. Amer., iv, 114, 1888; v, 69, 1889.

- *4656. *nephelotella* HULST, Ent. Amer., iv, 114, 1888; v, 70, 1889. Pa., Tex.
4657. *robustella* ZELLER, Isis, 881, 1848; GROTE, Bull. Geol. Surv. Terr., iv, 690, 1878; HULST, Ent. Amer., v, 71, 1889. Tex., Col.
4658. *militella* ZELLER, Isis, 880, 1848; GROTE, Bull. Geol. Surv. Terr., iv, 689, 1878; HULST, Ent. Amer., v, 71, 1889. Tex.
*4659. *formosella* HULST, Can. Ent., xxxii, 169, 1900. Tex.
*4660. *slossonii* HULST, Can. Ent., xxvii, 53, 1895. Fla.
4661. *euphemella* HULST, Ent. Amer., iv, 113, 1888; v, 71, 1889. Tex.
4662. *humerella* RAGONOT, Ann. Soc. Ent. Fr., Séances, cli, Oct. 10, 1888. Tex.

POCOCERA Zeller.

ZELLER, Isis, 874, 1848; HAMPSON, Tr. Ent. Soc. Lond., 456, 1896.

4663. *variella* RAGONOT, Ann. Soc. Ent. Fr., Séances, cli, Oct. 10, 1888. Tex.
syn. *melanographella* RAGONOT, Ann. Soc. Ent. Fr., Séances, clii, Oct. 10, 1888.

4664. **subcanalis** WALKER, Cat. Brit. Mus., xxvii, 56, Tex.
1863.
syn. *tesanella* RAGONOT, Ann. Soc. Ent. Fr.,
Séances, clii, Oct. 10, 1888.

ATTACAPA Hulst.

HULST, Ent. Amer., v, 71, 1889; HAMPSON, Trans. Ent. Soc. Lond., 456, 1896.

4665. **callipelella** HULST, Ent. Amer., iv, 114, 1888; v, Tex.,
71, 1889. Cal.

DYARIA Neumoegen.

NEUMOEGEN, Can. Ent., xxv, 214, 1893.

4666. **singularis** NEUMOEGEN, Can. Ent., xxv, 214, 1893; Me.?
DYAR, Can. Ent., xxxii, 284, 1900. (= *Ctenodo-*
mus hockingii WALSINGHAM?)

Subfamily PHYCITINÆ.

By GEORGE D. HULST.

(C.=RAGONOT, Mon. Phyc. Gall., Romanoff, Mém. Léop., vii, 1893.)

TRACHYCERA Ragonot.

RAGONOT, C. 2, 1893.

- *4667. **pallicornella** RAGONOT, Diag. N. Am. Phyc., 119, Tex.
1890; C. 2.

SARASOTA Hulst.

HULST, Jn. N. Y. Ent. Soc., vii, 222, 1901.

4668. **plumigerella** HULST, Jn. N. Y. Ent. Soc., vii, 222, Fla.
1901.

MYELOIS Hübner.

HÜBNER, Verz. bek. Schmett., 371, 1818; ZELLER, Isis, 176, 1839; 729, 1843; 585, 681,
1848; HERRICH-SCHAEFFER, Eur. Schm., iv, 95, 1849; HEINEMANN, Pfl., 178, 1865;
MEYRICK, Proc. Linn. Soc. N. S. Wales, iii, 211, 1878; vii, 155, 1882; RAGONOT, Ent.
Mon. Mag., xxii, 19, 1885; HULST, Trans. Am. Ent. Soc., xvii, 116, 1890; RAGONOT,
C. 25.

- *4669. **transitella** WALKER, Cat. Brit. Mus., xxvii, 54, Fla.
1863; HULST, Trans. Am. Ent. Soc., xvii, 218,
1890; RAGONOT, C. 42.
syn. *notatalis* WALKER.

- *4670. **subtetricella** RAGONOT, Ent. Amer., v, 113, 1889; No. Am.
C. 47.

4671. **obnupsella** HULST, Trans. Am. Ent. Soc., xvii, Ont., Fla.,
118, 1890; RAGONOT, C. 48. Pa.

- *4672. *minutulella* HULST, Ent. Amer., iii, 136, 1887; Tex.
RAGONOT, C. 48.
- *4673. *texanella* HULST, Can. Ent., xxiv, 60, 1892. Tex.
- *4674. *zonulella* RAGONOT, Ent. Amer., v, 117, 1889; Ill.
C. 49.
4675. *leucophæella* HULST, Can. Ent., xxiv, 60, 1892. Col.
4676. *bistriatella* HULST, Ent. Amer., iii, 136, 1887; N. Y., D. C.,
RAGONOT, C. 51. Iowa, Fla.,
Wis., Col.
syn. *bilineatella* RAGONOT, Diag. N. Am. Phyc.,
3, 1887; C. 48; *immutella* HULST, Trans.
Am. Ent. Soc., xvii, 117, 1890; RAGONOT,
C. 49.
- *4677. *grossipunctella* RAGONOT, Diag. Nov. Gen. Sp. Cal.
Phyc., 8, 1887; C. 51.
- *4678. *alatella* HULST, Ent. Amer., iii, 135, 1887; RA- N. J.,
GONOT, C. 52. N. Mex.,
syn. *rectistriarella* RAGONOT. Ariz., Cal.
- *4679. *dulciella* HULST, Can. Ent., xxxii, 176, 1900. Fla.
- *4680. *corniella* RAGONOT, Diag. N. Am. Phyc., 2, 1887; Nev.,
C. 53. Cal., Ariz.
syn. *coniella* HULST, Sm. List. Lep. Bor.
Amer., no. 4254, 1891.
- *4681. *duplipunctella* RAGONOT, Diag. N. Am. Phyc., 2, Fla.
1887; C. 56.

RHODOPHÆA Guenée.

GUENÉE, Ann. Soc. Ent. Fr., 312, 1845; Index Méth., 74, 1845; RAGONOT, Ent. Mon.
Mag., xxii, 19, 1885; HULST, Trans. Am. Ent. Soc., xvii, 119, 1890; C. 68.

4682. *hystriculella* HULST, Ent. Amer., iii, 135, 1887; Tex.
RAGONOT, C. 73.
- *4683. *exsulella* ZELLER, Isis, 868, 1848; HULST, Trans. N. C.,
Am. Ent. Soc., xvii, 120, 1890; RAGONOT, C. 80. Ga.

ACROCAULA Hulst.

HULST, Can. Ent., xxxii, 169, 1900.

- *4684. *comacornella* HULST, Can. Ent., xxxii, 170, 1900. Tex.

ACROBASIS Zeller.

ZELLER, Isis, 176, 1839; 731, 1846; 585, 606, 1848; HERRICH-SCHAEFFER, Eur. Schm.,
iv, 99, 1849; HEINEMANN, Pyr., 175, 1865; GROTE, Bull. Geol. Surv. Terr., iv, 692,
1878; No. Am. Ent., i, 10, 1879; RAGONOT, Ent. Mon. Mag., xxii, 19, 1885; HULST,
Trans. Am. Ent. Soc., xvii, 120, 1890; RAGONOT, C. 85.

4685. *palliolella* RAGONOT, Diag. N. Am. Phyc., 4, 1887; Ont.
C. 92.
syn. *albocapitella* HULST.

- *4686. *demotella* GROTE, Pap., i, 14, 1881; Bull. Geol. Surv. Terr., vi, 590, 1882; RAGONOT, C. 103. Ont. to N. Y.
4687. *angusella* GROTE, No. Am. Ent., i, 51, 1880; Bull. Geol. Surv. Terr., vi, 590, 1880; RAGONOT, C. 104. Ont., N. Y.
4688. *caryæ* GROTE, Pap., i, 13, 1881; HULST, Trans. Am. Ent. Soc., xvii, 122, 1890; RAGONOT, C. 105. Mass., N. Y., Ill., Tex.
- syn. *minimella* RAGONOT.
- *4689. *nigrosignella* HULST, Trans. Am. Ent. Soc., xvii, 123, 1890; RAGONOT, C. 105. Tex.
- *4690. *caryivorella* RAGONOT, Diag. N. Am. Phyc., 4, 1887; C. 108. Mo.
- syn. *caryvorella* HULST, Trans. Am. Ent. Soc., xvii, 121, 1890; *canjivorella* HULST, Sm. List Lep. Bor. Amer., no. 4262, 1891.
- *4691. *cirroferella* HULST, Can. Ent., xxiv, 60, 1892. Tex., Col.
4692. *rubrifasciella* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 267, 1873; RAGONOT, C. 106. N. Eng., N. Y., Col.
4693. *betulella* HULST, Trans. Am. Ent. Soc., xvii, 125, 1890; RAGONOT, C. 107. N. Y., N. H., Col.
4694. *comptoniella* HULST, Trans. Am. Ent. Soc., xvii, 125, 1890; RAGONOT, C. 108. N. Eng., N. Y.
4695. *hebescella* HULST, Trans. Am. Ent. Soc., xvii, 126, 1890; RAGONOT, C. 109. N. J., Tex., Ill., Wis.
- *4696. *fructetella* HULST, Can. Ent., xxiv, 59, 1892. Tex., Ariz., Col.
- MINEOLA Hulst.
- HULST, Trans. Am. Ent. Soc., xvii, 126, 1890; RAGONOT, C. 86.
- *4697. *scitulella* HULST, Can. Ent., xxxii, 169, 1900. Col.
4698. *tricolorella* GROTE, Bull. Geol. Surv. Terr., iv, 694, 1878; RAGONOT, C. 93. Cal., Nev., Me.
4699. *rubescentella* HULST, Can. Ent., xxxii, 169, 1900. Tenn.
4700. *amplexella* RAGONOT, Diag. N. Am. Phyc., 3, 1887; C. 97. Atl. States.
- *4701. *caliginella* HULST, Ent. Amer., iii, 131, 1887; v, 156, 1889; RAGONOT, C. 115. Cal., Ariz., N. Mex.
- syn. *comptella* RAGONOT.
4702. *juglandis* LE BARON, Ins. Ills., ii, 123, 1872; RAGONOT, C. 120. Atl. States.
4703. *vaccinii* RILEY, Can. Ent., xvi, 237, 1884; RAGONOT, C. 121. N. Eng., N. J., Tex.

4704. *indigenella* ZELLER, Isis, 651, 1848; RAGONOT, Atl. States. C. 118.
 syn. *nebulo* WALSH, *zelatella* HULST.
a. nebulella RILEY, Ins. Mo., iv, 41, 1872; RAGONOT, C. 118.

ULOPHORA Ragonot.

- RAGONOT, Ann. Soc. Ent. Fr., Séances, 7, 1890; HULST, Trans. Am. Ent. Soc., xvii, 222, 1890; RAGONOT, C. 155.
- *4705. *grotei* RAGONOT, Ann. Soc. Ent. Fr., Séances, p. N. C.
 vii, 1890; HULST, Trans. Am. Ent. Soc., xvii,
 222, 1890; RAGONOT, C. 156.

PIESMOPODA Zeller.

- ZELLER, Isis, 606, 683, 1848; HULST, Trans. Am. Ent. Soc., xvii, 132, 1890; RAGONOT, C. 158.
- *4706. *subrufella* HULST, Ent. Amer., iii, 132, 1887; Fla.
 RAGONOT, C. 166.
- *4707. *filiolella* HULST, Ent. Amer., iv, 117, 1888; Fla.,
 RAGONOT, C. 166. Tex.

PHYCITOPSIS Ragonot.

- RAGONOT, Diag. No. Am. Phyc., 4, 1887; HULST, Trans. Am. Ent. Soc., xvii, 133, 1890;
 RAGONOT, C. 185.
- *4708. *flavicornella* RAGONOT, Diag. No. Am. Phyc., 4, Tex.
 1887; C. 185.

DIORYCTRIA Zeller.

- ZELLER, Isis, 732, 1846; 585, 1848; HEINEMANN, Pyr., 148, 1865; RAGONOT, Ent. Mon. Mag., xxii, 52, 1885; C. 187.
- *4709. *clarioralis* WALKER, Cat. Brit. Mus., xxvii, 54, U. S.,
 1863; HULST, Trans. Am. Ent. Soc., xvii, 136, Fla.?
 1890; RAGONOT, C. 193.
- *4710. *aurantiacella* GROTE, Trans. Kans. Acad. Sci., Col., N. Mex.,
 viii, 57, 1883; Ann. Mag. Nat. Hist., (5), xi, 57, Ariz.
 1883; RAGONOT, C. 194.
 syn. *miniatella* RAGONOT.
4711. *abietella* DENIS & SCHIFFERMÜLLER, Syst. Verz. Atl. States,
 Wien, x, 138, 1776; STAUDINGER & REBEL, Cat. Col., Wash.,
 Lep. Eur. ii, no. 700, 1901; RAGONOT, C. 198. Europe.
 syn. *decuriella* HÜBNER, *sylvestrella* RATZEBURG, *abietirorella* GROTE.
- *4712. *reniculella* GROTE, No. Am. Ent., i, 67, 1880; Atl. States.
 RAGONOT, C. 200.

MONOPTILOTA Hulst.

HULST, Can. Ent., xxxii, 13, 1900.

4713. *nubilella* HULST, Can. Ent., xxxii, 13, 1900. Md., Fla., Ala.
4714. *actualis* HULST, Trans. Am. Ent. Soc., xiii, 161, 1886; RAGONOT, C. 203. Col.

PINIPESTIS Grote.

GROTE, Can. Ent., x, 19, 1878; Bull. Geol. Surv. Terr., iv, 699, 1878; HULST, Trans. Am. Ent. Soc., xvii, 136, 1890.

4715. *zimmermanni* GROTE, Can. Ent., ix, 161, 1877; x, 19, 1878; PACKARD, Ins. Inj. to Shade Trees, 182, 1881; GROTE, No. Am. Ent., i, 11, pl. 2, f. 10, 1879; ZIMMERMANN, Can. Ent., x, 20, 1878; RAGONOT, C. 190. N. Y., Pa.
- *4716. *amatella* HULST, Ent. Amer., iii, 131, 1887; RAGONOT, C. 191. Fla.
- *4717. *pygmælla* RAGONOT, Diag. No. Am. Phyc., 5, 1887; C. 192. N. C., Fla.
- *4718. *albovittella* HULST, Trans. Am. Ent. Soc., xvii, 138, 1890; RAGONOT, C. 193. N. Mex., Col.
syn. *gulosella* HULST, Trans. Am. Ent. Soc., xvii, 126, 1890; RAGONOT, C. 109; *elegantella* HULST, Can. Ent., xxvii, 59, 1895.
- *4719. *umbripennis* HULST, Can. Ent., xxvii, 57, 1895. Col.

TACOMA Hulst.

HULST, Ent. Amer., iv, 115, 1888; Trans. Am. Ent. Soc., xvii, 139, 1890; RAGONOT, C. 205.

4720. *feriella* HULST, Ent. Amer., iv, 115, 1888; RAGONOT, C. 205. Tex.

DASYPYGA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 5, 1887; HULST, Trans. Am. Ent. Soc., xvii, 138, 1890; RAGONOT, C. 206.

- *4721. *alternosquamella* RAGONOT, Diag. No. Am. Phyc., 5, 1887; C. 206. Cal., Ariz.
- a. *stictophorella* RAGONOT, Diag. No. Am. Phyc., 5, 1887; C. 206.

PROMYLEA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 5, 1887; HULST, Trans. Am. Ent. Soc., xvii, 139, 1890; RAGONOT, C. 207.

- *4722. *lunigerella* RAGONOT, Diag. No. Am. Phyc., 5, 1887; C. 208. Vancouver Id.

GLYPTOCERA Ragonot.

RAGONOT, Ent. Amer., v, 114, 1889; Ann. Soc. Ent. Fr., Séances, Jan. 8, vii, 1890; HULST, Trans. Am. Ent. Soc., xvii, 140, 1890; RAGONOT, C. 209.

- *4723. *consobrinella* ZELLER, Verh. zool.-bot. Ges. Wien, Fla.,
528, 1872; RAGONOT, C. 210. Tex.

ORTHOLEPIS Ragonot.

RAGONOT, Diag. No. Am. Phyc., 6, 1887; HULST, Trans. Am. Ent. Soc., xvii, 140, 1890; RAGONOT, C. 214.

- *4724. *jugosella* RAGONOT, Diag. No. Am. Phyc., 6, 1887; Cal.?
C. 214.

POLOPEUSTIS Ragonot.

RAGONOT, C. 232, 1893.

- *4725 *annulatella* ZETTERSTEDT, Ins. Lap., 997, 1840; Lab.,
RAGONOT, C. 233. Eur.
syn. *altensis* WOCKE; MÖSCHLER, Verh. zool.-
bot. Ges. Wien, 309, 1884.

AMBESA Grote.

GROTE, No. Am. Ent., i, 98, 1880; HULST, Trans. Am. Ent. Soc., xvii, 141, 1890; RAGONOT, C. 237; *Pristophora* RAGONOT, Ann. Soc. Ent. Fr., 229, 1887; C. 242.

- *4726. *walsinghami* RAGONOT, Diag. No. Am. Phyc., 6, Col.,
1887; C. 239. Ariz.
4727. *lætella* GROTE, No. Am. Ent., i, 98, 1880; RAGO- Col.
NOT, C. 240.
*4728. *lallatalis* HULST, Trans. Am. Ent. Soc., xiii, 161, Col.,
1885; RAGONOT, C. 241. Nev.
syn. *denticulella* RAGONOT, *brucei* HULST,
Can. Ent., xxvii, 55, 1895.
*4729. *niviella* HULST, Ent. Amer., iv, 117, 1888; RAGO- Col.
NOT, C. 241.

NEPHOPTERYX Hübner.

HÜBNER, Verz. bek. Schmett., 370, 1818; ZELLER, Isis, 731, 732, 1846; 585, 1848; HER-
RICH-SCHAEFFER, Eur. Schm., iv, 78, 1849; HEINEMANN, Pyl., 149, 1865; GROTE,
Bull. Geol. Surv. Terr., iv, 695, 1878; No. Am. Ent., i, 11, 1879; MEYRICK, Proc.
Linn. Soc. N. S. Wales, iii, 201, 1878; RAGONOT, Ent. Mon. Mag., xxii, 19, 1885;
HULST, Trans. Am. Ent. Soc., xvii, 142, 1890; RAGONOT, C. 241.

4730. *scobiella* GROTE, No. Am. Ent., i, 51, 1880; RAGO- Tex.,
NOT, C. 266. N. Mex.
syn. *decimerella* HULST.

4731. *pergratialis* HULST, Trans. Am. Ent. Soc., xiii, Ga.,
162, 1886; RAGONOT, C. 267. Fla.
syn. *grotella* RAGONOT.

- *4732. *modestella* HULST, Can. Ent., xxxii, 170, 1900. Mass.

4733. *furfurella* HULST, Ent. Amer., iii, 131, 1887; Fla.,
RAGONOT, C. 269. Tex.
4734. *ovalis* PACKARD, Ann. N. Y. Lyc. Nat. Hist., x, East. U. S.,
269, 1873; GROTE, No. Am. Ent., i, 11, pl. 2, f. Col., Cal.,
9, 1880; RAGONOT, C. 269. Tex.
- syn. *latifasciella* PACKARD.
- a. *geminipunctella* RAGONOT, Diag. No. Amer. Phyc., 7, 1887; C. 269.
- *4735. *rhypodella* HULST, Ent. Amer., iii, 137, 1887; Ill., Cal.,
RAGONOT, C. 270. Tex.
- syn. *curvatella* RAGONOT.
- *4736. *fasciolalis* HULST, Trans. Am. Ent. Soc., xiii, Cal., Nev.,
162, 1886; RAGONOT, C. 271. Brit. Col.
- *4737. *hypochalciella* RAGONOT, Diag. No. Am. Phyc., Wash.
7, 1887; C. 272.
- *4738. *rubrisparsella* RAGONOT, Diag. No. Am. Phyc., 6, Tex.
1887; C. 284.
- syn. *rufibasella* RAGONOT; *croceella* HULST.
- *4739. *crassifasciella* RAGONOT, Diag. No. Am. Phyc., Cal.
8, 1887; C. 285.
- *4740. *inquilinella* RAGONOT, Diag. No. Am. Phyc., 8, Wis.
1887; C. 290.
- *4741. *gilvibasella* HULST, Trans. Am. Ent. Soc., xvii, Tex.
145, 1890; C. 289.
- *4742. *subtinctella* RAGONOT, Diag. No. Am. Phyc., 7, Cal.
1887; C. 302.

TLASCALA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 146, 1890; RAGONOT, C. 255.

- *4743. *finitella* WALKER, Cat. Brit. Mus., xxvii, 53, N. Sco., Fla.,
1863; RAGONOT, C. 282. Col.
4744. *reductella* WALKER, Cat. Brit. Mus., xxvii, 62, S. C., Ohio,
1863; RAGONOT, C. 283. N. Y.
- syn. *gleditschiella* FERNALD.

MEROPTERA Grote.

- GROTE, Can. Ent., xiv, 29, 1882; HULST, Trans. Am. Ent. Soc., xvii, 148, 1890;
RAGONOT, C. 321; *Oreana* HULST, Ent. Amer., iv, 115, 1888.
- *4745. *mirandella* RAGONOT, Mon. Phyc. Gall., i, 313, Col.
1893.
4746. *pravella* GROTE, Bull. Geol. Surv. Terr., iv, 694, East. U. S.,
1878; RAGONOT, C. 314. Col., Ont.
- *4747. *uvinella* RAGONOT, Diag. No. Am. Phyc., 8, 1887; U. S.?
C. 315.

- *4748. *unicolorella* HULST, Ent. Amer., iii, 136, 1887; Ont., Wash.
C. 315.
- *4749. *canescentella* HULST, Trans. Am. Ent. Soc., xvii, Tex.
149, 1890; RAGONOT, C. 319.

SALEBRIA Zeller.

ZELLER, Isis, 733, 1846; 779, 1848; HEINEMANN, Pyr., 155, 1865; GROTE, Bull. Geol. Surv. Terr., iv, 695, 1878; No. Am. Ent., i, 11, 1879; RAGONOT, Ent. Mon. Mag., xxii, 19, 1885; HULST, Trans. Am. Ent. Soc., xvii, 149, 1893; RAGONOT, C. 327.

- *4750. *pumilella* RAGONOT, Diag. No. Am. Phyc., 8, Col., Tex.,
1887; C. 344. N. Mex.,
Ariz.
4751. *nubiferella* RAGONOT, Diag. No. Am. Phyc., 8, Tex.,
1887; C. 344. Col.
- *4752. *turpidella* RAGONOT, Mon. Phyc. Gall., i, 346. Mass.,
pl. 13, f. 24, 1893. Col.
4753. *annulosella* RAGONOT, Diag. No. Am. Phyc., 7, Mass.,
1887; C. 346. Tex., Col.
- *4754. *tenebrosella* HULST, Ent. Amer., iii, 136, 1887; S. C.,
RAGONOT, C. 347. Tex.
- syn. *quercicolella* RAGONOT.
- *4755. *delectella* HULST, Can. Ent., xxvii, 57, 1895. Col.
4756. *laevigatella* HULST, Can. Ent., xxiv, 61, 1892. Col.
- *4757. *afflictella* HULST, Can. Ent., xxxii, 170, 1900. N. J.
- *4758. *nigricans* HULST, Can. Ent., xxxii, 171, 1900. Ariz.
4759. *contatella* GROTE, No. Am. Ent., i, 49, 1880; East. U. S.,
RAGONOT, C. 348. Col., Can.
- syn. *subcaesiella* CLEMENS, Proc. Acad. Sci. Phil., 206, 1860.
- a. *quinquepunctella* GROTE, No. Am. Ent., i, 50, 68, pl. 5, f. 6, 1880; RAGONOT, C. 348.
- syn. *virgatella* CLEMENS, Proc. Acad. Sci. Phil., 206, 1860.
- b. *inconditella* RAGONOT, Mon. Phyc. Gall., i, 348, pl. 15, f. 2, 1893.
4760. *celtidella* HULST, Trans. Am. Ent. Soc., xvii, 155, N. Eng.,
1890; RAGONOT, C. 354. N. Y., Fla.
- *4761. *pudibundella* RAGONOT, Mon. Phyc. Gall., i, 350, Col.
1893.
4762. *georgiella* HULST, Can. Ent., xxvii, 57, 1895. Fla.
- *4763. *subfuscella* RAGONOT, Diag. No. Am. Phyc., 8, Tex.
1887; C. 351.
- *4764. *slossonella* HULST, Can. Ent., xxxii, 170, 1900. Fla.
- *4765. *lacteella* HULST, Can. Ent., xxxii, 171, 1900. Tex.

4766. *semiobscura* HULST, Trans. Am. Ent. Soc., N. Y., Tex.,
xvii, 151, 1890; RAGONOT, C. 352. Col.
4767. *basilaris* ZELLER, Ver. zool.-bot. Ges. Wien, Mass., Col.,
xxii, 548, pl. 3, f. 23, 1872; GROTE, No. Am. Tex.
Ent., i, 51, 1880; RAGONOT, C. 353.
- *4768. *aliculella* HULST, Ent. Amer., iii, 135, 1887; Ariz.
RAGONOT, C. 367.
syn. *oberthurella* RAGONOT.
- *4769. *bifasciella* HULST, Ent. Amer., iii, 132, 1887; Ariz.
RAGONOT, C. 366.
- *4770. *odiosella* HULST, Ent. Amer., iii, 132, 1887; Tex.,
RAGONOT, C. 366. Col.
- *4771. *carneella* HULST, Ent. Amer., iii, 131, 1887; Me.,
RAGONOT, C. 367. Mass.
- *4772. *purpurella* HULST, Can. Ent., xxiv, 61, 1892. Ill.

PASSADENA Hulst.

HULST, Can. Ent., xxxii, 171, 1900.

4773. *constantella* HULST, Can. Ent., xxxii, 171, 1900. S. C.

MYRLÆA Ragonot.

RAGONOT, Mon. Phyc. Gall., i, 394, 1893.

- *4774. *tarmitalis* HULST, Trans. Am. Ent. Soc., xiii, Col.
163, 1886; RAGONOT, C. 401.
4775. *delassalis* HULST, Trans. Am. Ent. Soc., xiii, 161, Col., Ariz.,
1886; RAGONOT, C. 402. N. Mex.
syn. *fernaldi* RAGONOT.

LAODAMIA Ragonot.

RAGONOT, Nouv. Gén. Spec. Phyc., 22, 1888; HULST, Trans. Am. Ent. Soc., xvii,
156, 1890; RAGONOT, C. 403.

4776. *fusca* HAWORTH, Lep. Brit., 493, 1828; WEST- Arctic Am.,
WOOD & HUMPHREYS, Brit. Moths, ii, 232, pl. 115, Eur.
f. 29, 1849; WALLENGREN, Pyr., 1036, 1859;
GROTE, No. Am. Ent., i, 11, pl. 2, f. 7, 1879;
MÖSCHLER, Stett. ent. Zeit., 393, 1880; Ver.
zool.-bot. Ges. Wien, 309, 1884; FREY, Lep.
Schw., 274, 1880; RAGONOT, C. 408.

syn. *spadaceella* ZINCKEN, *carbonariella*
FISCHER, *posticella* ZETTERSTEDT, *janthi-*
nella DUPONCHEL, *maestella* WALKER, *undu-*
latella WALKER, Cat. Brit. Mus., xxxv,
171i, 1866; *cacabella* HULST.

- a. *frigidella* PACKARD, Proc. Bost. Soc. Nat. Hist.,
53, 1866; RAGONOT, C. 408.



ELASMOPALPUS Blanchard.

- BLANCHARD, Gay, Hist. Chili, Zool., vii, 104, 1852; HULST, Trans. Am. Ent. Soc., xvii, 157, 1890; RAGONOT, C. 418.
- *4777. **decoralis** WALKER, Cat. Brit. Mus., xxvii, 42, 1863; RAGONOT, C. 420. U. S.
 syn. *metagrammalis* WALKER, *decorellus* HULST, Sm. List Lep. Bor. Am., no. 4341, 1902.
4778. **petrellus** ZELLER, Isis, 771, 1846; RAGONOT, C. 421. N. C., Ga., Fla., Tex., Col., So. Am.
 syn. *erectalis* WALKER, *rubiginella* WALKER, *rufinalis* WALKER, *hapsella* HULST, *obsipella* HULST.
- *4779. **floridellus** HULST, Trans. Am. Ent. Soc., xvii, 158, 1890; RAGONOT, C. 422. Fla., Ariz.
- *4780. **melanellus** HULST, Trans. Am. Ent. Soc., xvii, 157, 1890; RAGONOT, C. 424. Fla.
4781. **lignosellus** ZELLER, Isis, 883, 1848; RAGONOT, C. 425. Atl. States, So. Am.
 syn. *angustellus* BLANCHARD.
a. incautellus ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 544, 1872; RAGONOT, C. 425.
b. tartarellus ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 544, 1872; RAGONOT, C. 425.
 syn. *carbonellus* HULST.

SELAGIA Hübner.

HÜBNER, Verz. bek. Schmett., 371, 1818; ZELLER, Isis, 732, 1846; 752, 1848; HEINEMANN, Pfl., 153, 1865; RAGONOT, Ent. Mon. Mag., xxii, 19, 1885; HULST, Trans. Am. Ent. Soc., xvii, 159, 1890; RAGONOT, C. 467.

- *4782. **australella** HULST, Can. Ent., xxxii, 174, 1900. Tex.
- *4783. **lithosella** RAGONOT, Diag. No. Am. Phyc., 9, 1887; C. 474. Ariz.

PYLA Grote.

GROTE, Check List, 55, 66, 1882; Pap., i, 18, 1881; RAGONOT, Diag. No. Am. Phyc., 9, 1887; HULST, Trans. Am. Ent. Soc., xvii, 161, 1890; RAGONOT, C. 481.

4784. **scintillans** GROTE, Pap., i, 18, 1881; RAGONOT, C. 482. Cal., Nev.
- *4785. **metallicella** HULST, Can. Ent., xxvii, 54, 1895. Col.
- *4786. **bistriatella** HULST, Can. Ent., xxvii, 54, 1895. Cal.
- *4787. **incorruscella** HULST, Can. Ent., xxvii, 55, 1895. Col.
- *4788. **æneella** HULST, Can. Ent., xxvii, 55, 1895. Col.
- *4789. **æneoviridella** RAGONOT, Diag. No. Am. Phyc., 8, 1887; C. 482. N. Y.

ANORISTIA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 236, 1887; C. 486.

- *4790. *olivella* HULST, Ent. Am., iv, 117, 1888; RAGONOT, C. 487. Cal.

EPISCHNIA Hübner.

HÜBNER, Verz. bek. Schmett., 370, 1818; ZELLER, Isis, 178, 1839; 585, 644, 737, 1848; HERRICH-SCHAEFFER, Eur. Schil., iv, 89, 1849; HEINEMANN, Pyr., 171, 1865; MEYRICK, Proc. Linn. Soc. N. S. Wales, iv, 229, 1879; RAGONOT, Ent. Mon. Mag., xxii, 19, 1885; HULST, Trans. Am. Ent. Soc., xvii, 162, 1890; RAGONOT, C. 493; *Pima* HULST, Ent. Amer., iv, 114, 1888; Trans. Am. Ent. Soc., xvii, 164, 1890.

- *4791. *runderella* RAGONOT, Diag. No. Am. Phyc., 9, 1887; C. 514. Cal.

- *4792. *albiplagiata* PACKARD, Ann. N. Y. Lyc. Nat. Hist., x, 269, 1873; RAGONOT, C. 518. Col.
syn. *fosterella* HULST.

4793. *boisduvaliella* GUENÉE, Ann. Soc. Ent. Fr., 318, 1845; RAGONOT, C. 518. Mass.,
Mont., Col.,
Tex., Cal.
syn. *farrella* CURTIS, Ann. Soc. Nat. Hist., iv, 114, 1850; RAGONOT, C. 518; *lafauryella* COMSTOCK, *leucoloma* SNELLEN.
a. tabulella RAGONOT, Mon. Phyc. Gall., 519, 1893.

- *4794. *albocostalis* HULST, Trans. Am. Ent. Soc., xiii, 164, 1886; RAGONOT, C. 519. Cal.

- *4795. *subcostella* RAGONOT, Diag. No. Am. Phyc., 10, 1887; C. 520. Utah.

- *4796. *fulvirugella* RAGONOT, Diag. No. Am. Phyc., 10, 1887; C. 521. Col.,
Cal.

- *4797. *incanella* HULST, Can. Ent., xxvii, 56, 1895. Col.

- *4798. *granitella* RAGONOT, Diag. No. Am. Phyc., 9, 1887; C. 523. Col.,
Cal.

GETULIA Ragonot.

RAGONOT, Nouv. Gén. Spec. Phyc., 26, 1888; C. 527.

- *4799. *flavidorsella* RAGONOT, Diag. No. Am. Phyc., 9, 1887; C. 528. Ariz.,
Mex.

MEGASIS Guenée.

GUENÉE, Ann. Soc. Ent. Fr., 309, 1845; HEINEMANN, Pyr., 170, 1865; HULST, Trans. Am. Ent. Soc., xvii, 164, 1890; RAGONOT, C. 537.

- *4800. *edwardsialis* HULST, Trans. Am. Ent. Soc., xiii, 163, 1886; RAGONOT, C. 545. Cal., Nev.,
Col.
syn. *polyphemella* RAGONOT.

- *4801. *excantalis* HULST, Trans. Am. Ent. Soc., xiii, 1886; C. 547. Cal.
syn. *pullatella* RAGONOT.

4802. *atrella* HULST, Trans. Am. Ent. Soc., xvii, 166, Col.
1890; RAGONOT, C. 548.
4803. *cinctella* HULST, Can. Ent., xxxii, 172, 1900. Cal.

LIPOGRAPHIS Ragonot.

RAGONOT, Diag. No. Am. Phyc., 10, 1887; HULST, Trans. Am. Ent. Soc., xvii, 166, 1890;
RAGONOT, C. 562.

- *4804. *humilis* RAGONOT, Diag. No. Am. Phyc., 11, Cal.
1887; C. 563.
- *4805. *fenestrella* PACKARD, Ann. N. Y. Lyc. Nat. Hist., Cal.
x, 259, 1873; RAGONOT, C. 564.
- *4806. *leoninella* PACKARD, Ann. N. Y. Lyc. Nat. Hist. Cal., Col.,
x, 259, 1873; RAGONOT, C. 565. Nebr.

ETIELLA Zeller.

ZELLER, Isis, 179, 1839; 733, 1846; HEINEMANN, Pyr., 154, 1865; MEYRICK, Proc.
Linn. Soc. N. S. Wales, iii, 203, 1878; vii, 156, 1882; HULST, Trans. Am. Ent. Soc.,
xvii, 169, 1890; RAGONOT, C. 569; *Ramphodes* GUENÉE, Ann. Soc. Ent. France, 319,
1845; ZELLER, Hor. Soc. Ent. Ross., xvi, 177, 1880; *Mella* WALKER, Cat. Brit. Mus.,
xix, 1017, 1859; *Asara* WALKER, Cat. Brit. Mus., xxvii, 79, 1863; *Modiana* WALKER,
Cat. Brit. Mus., xxvii, 83, 1863; *Alata* WALKER, Cat. Brit. Mus., xxvii, 108, 1863;
Arucha WALKER, Cat. Brit. Mus., xxvii, 201, 1863.

4807. *zinckenella* TREITSCHKE, Schm. Eur., ix, 1, 201, Can., U. S.,
1832; STAUDINGER & REBEL, Cat. Lep. Eur., Eur.
ii, no. 510, 1901; RAGONOT, C. 572.

syn. *etiella* TREITSCHKE, *majorella* COSTA,
colomellus COSTA, *dymnusalis* WALKER,
albocostalis WALKER, *scattivitalis* WALKER,
anticalis WALKER, *indicatalis* WALKER,
hastiferella WALKER, *heraldella* GUENÉE,
madagascariensis SAALMÜLLER, *sabulinus*
BUTLER, *spartiella* BOND.

- *4808. *schisticolor* ZELLER, Hor. Soc. Ent. Ross., xvi, Cal., Col.,
178, 1881; RAGONOT, C. 574. Ariz.

syn. *villosella* HULST.

- *4809. *rubribasella* HULST, Trans. Am. Ent. Soc., xvii Fla.,
170, 1890; RAGONOT, C. 572. Col.

HYPOCHALCIA Hübner.

HÜBNER, Verz. bek. Schmett., 367, 1818; ZELLER, Isis, 585, 1848; HERRICH-SCHAEFFER,
Eur. Schm., iv, 85, 1849; HEINEMANN, Pyr., 165, 1865; RAGONOT, Ent. Mon. Mag.,
xxii, 18, 1885; HULST, Trans. Am. Ent. Soc., xvii, 168, 1890; RAGONOT, C. 578.

- *4810. *hulstiella* RAGONOT, Diag. No. Am. Phyc., ii, Tex.
1887; C. 603.

SARATA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 11, 1887; C. 614.

- *4811. *nigrofasciella* RAGONOT, Diag. No. Am. Phyc., Col.,
11, 1887; C. 615. Ariz.

- *4812. **tephrella** RAGONOT, C. 616, 1893. Wash.
 *4813. **perfuscalis** HULST, Trans. Am. Ent. Soc., xiii, 161, Cal.
 1886; RAGONOT, C. 616.
 syn. *duoposella* RAGONOT.
 *4814. **cinereella** HULST, Can. Ent., xxxii, 172, 1900. Col.

MELITARA Walker.

WALKER, Cat. Brit. Mus., xxvii, 136, 1863; HULST, Trans. Am. Ent. Soc., xvii, 171, 1890; *Megaphycis* GROTE, Can. Ent., xiv, 29, 1882.

4816. **prodenialis** WALKER, Cat. Brit. Mus., xxvii, 137, Fla., Tex.,
 1863; HULST, Trans. Am. Ent. Soc., xvii, 171, Col., W. I.
 1890.

syn. *bollii* ZELLER, Verh. zool.-bot. Ges. Wien, 550, pl. 3, f. 21, 1872; GROTE, Can. Ent., xiv, 29, 1882; SNELLEN, Tidsk. Ent., xxx, 64, pl. 5, f. 64, 6, 6a, 1886.

4817. **dentata** GROTE, Can. Ent., viii, 158, 1876; xiv, 29, Col.
 1882; HULST, Trans. Am. Ent. Soc., xvii, 172,
 1890; KELLOGG, Kans. Univ. Quar., i, 40, pl. 8,
 1892.

4818. **junctolineella** HULST, Can. Ent., xxxii, 173, 1900. Tex., Col.

4819. **fernaldialis** HULST, Trans. Am. Ent. Soc., xiii, Ariz.
 163, 1886; xvii, 172, 1890. Mex.

YOSEMETIA Ragonot.

New generic name proposed by Ragonot in manuscript for *graciella* HULST.

4820. **graciella** HULST, Ent. Amer., iii, 134, 1887; Trans. Tex., Col.,
 Am. Ent. Soc., xvii, 173, 1890. Ariz.
a. longipennella HULST, Ent. Amer., iv, 117, 1888.

ZOPHODIA Hübner.

HÜBNER, Verz. bek. Schmett., 370, 1818; ZELLER, Isis, 176, 1839; 679, 1848; HER-
 RICH-SCHAEFFER, Eur. Schm., iv, 90, 1849; HEINEMANN, Pyl., 189, 1865; MEYRICK,
 Trans. Linn. Soc. N. S. Wales, vii, 156, 1882; RAGONOT, Ent. Mod. Mag., xxii, 19,
 1885; HULST, Trans. Am. Ent. Soc., xvii, 172, 1890; *Dakruna* GROTE, Bull. Geol.
 Surv. Terr., iv, 702, 1878; No. Am. Ent., i, 11, 1879; Pap., i, 152, 1882; RILEY, Pap.,
 i, 108, 1882.

4821. **grossulariæ** RILEY, Rept. Ins. Mo., i, 140, 1869; N.-E.
 Pap., i, 108, 1881; PACKARD, Guide Stud. Ins., U. S.,
 331, 1869; FRENCH, Rept. Dept. Agr. Ill., vii, Can.
 251, 1877; GROTE, No. Am. Ent., i, 11, pl. 2, f.
 12, 1880; i, 68, 1880; Pap., i, 142, 1881; HULST,
 Trans. Am. Ent. Soc., xvii, 173, 1890.

syn. *turbitella* GROTE, Bull. Geol. Surv. Terr.,
 iv, 702, 703, 1878.

- *4822. **dilatifasciella** RAGONOT, Diag. No. Am. Phyc., Ariz.,
 13, 1887; HULST, Trans. Am. Ent. Soc., xvii, Mex.
 174, 1890.

- *4823. *packardella* RAGONOT, Diag. No. Am. Phyc., 12, Cal.
1887; HULST, Trans. Am. Ent. Soc., xvii, 173,
1890.
4824. *glaucatella* HULST, Ent. Amer., iv, 117, 1888; Tex.,
Trans. Am. Ent. Soc., xvii, 174, 1890. N. Mex.
4825. *bella* HULST, Can. Ent., xxiv, 61, 1892. Mass.
4826. *fuscatella* HULST, Can. Ent., xxxii, 173, 1900. Cal.
4827. *epischnoioides* HULST, Can. Ent., xxxii, 173, 1900. N. Mex.

ECCOPSIA Ragonot.

New generic name proposed by Ragonot in manuscript for *serratilineella* RAGONOT.

4828. *serratilineella* RAGONOT, Diag. No. Am. Phyc., Cal.
15, 1887; HULST, Trans. Am. Ent. Soc. xvii,
179, 1890.

EUZOPHERA Zeller.

ZELLER, Stett. ent. Zeit., xxviii, 377, 1867; RAGONOT, Ent. Mon. Mag., xxii, 30, 1885;
MEYRICK, Proc. Linn. Soc. N. S. Wales, iv, 239, 1879; vii, 156, 1882; HULST, Trans.
Am. Ent. Soc., xvii, 174, 1890; *Stenoptycha* ZELLER (not AGASSIZ), Stett. ent. Zeit.,
154, 1863; HEINEMANN, Pyr., 190, 1865; *Melia* HEINEMANN (not BILLBERG), Pyr.,
209, 1865.

- *4829. *ostricolorella* HULST, Trans. Am. Ent. Soc., xvii, N. Y.
175, 1890.
4830. *nigricantella* RAGONOT, Diag. No. Am. Phyc., Ariz.
14, 1887; HULST, Trans. Am. Ent. Soc., xvii,
177, 1890.
- *4831. *franconiella* HULST, Trans. Am. Ent. Soc., xvii, N. H.
177, 1890.
4832. *semifuneralis* WALKER, Cat. Brit. Mus., xxvii, U. S.
57, 1863; HULST, Trans. Am. Ent. Soc., xvii,
175, 1890.
syn. *impletella* ZELLER, Hor. Soc. Ent. Ross.,
xvi, 234, pl. 12, f. 37, 1881; *pallulella* HULST,
Trans. Am. Ent. Soc., xvii, 175, 1890.
- *4833. *æglæella* RAGONOT, Diag. No. Am. Phyc., 14, Utah.
1887; HULST, Trans. Am. Ent. Soc., xvii, 177,
1890.
syn. *aglæella* HULST, Sm. List Lep. Bor. Am.,
no. 4379, 1891.
- *4834. *inornatella* HULST, Can. Ent., xxxii, 173, 1900. N. J.
4835. *ochrifrontella* ZELLER, Verh. zool.-bot. Ges. East. U. S.,
Wien, 337, 1875; HULST, Trans. Am. Ent. Soc.,
177, 1890. Tex.
syn. *ferruginella* RAGONOT, Diag. No. Am.
Phyc., 14, 1887.

SENECA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 177, 1890.

- *4836. *tumidulella* RAGONOT, Diag. No. Am. Phyc., 13, Fla.
1887; HULST, Trans. Am. Ent. Soc., xvii, 178,
1890.

VITULA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 14, 1887; HULST, Trans. Am. Ent. Soc., xvii, 178, 1890.

4838. *edmandsii* PACKARD, Proc. Essex Inst., iv, 120, East. U. S.,
1864; Guide Stud. Ins., 331, pl. 3, f. 2, 1869; Tex.
HULST, Ent. Amer., v, 156, 1889; Trans. Am.
Ent. Soc., xvii, 178, 1890.
syn. *dentosella* RAGONOT, Diag. No. Am. Phyc.,
14, 1887.
4839. *basimaculella* RAGONOT, Diag. No. Am. Phyc., Col.
15, 1887; HULST, Trans. Am. Ent. Soc., xvii,
179, 1890.

LAOSTICHA Ragonot.

New generic name proposed by Ragonot in manuscript for *ephestiella* RAGONOT.

- *4841. *ephestiella* RAGONOT, Diag. No. Am. Phyc., 13, Ariz.
1887; HULST, Trans. Am. Ent. Soc., xvii, 185,
1890.

LÆTILIA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., Séances, Jan. 8, p. viii, 1890; HULST, Trans. Am. Ent. Soc., xvii, 182, 1890.

4842. *coccidivora* COMSTOCK, No. Am. Ent., i, 25, pl. East. U. S.,
4, 1879; Rept. U. S. Dept. Agr., 241, 1880; Tex.,
PACKARD, Ins. Inj. to Shade Trees, 54, 1881; N. Mex.,
HULST, Trans. Am. Ent. Soc., xvii, 182, 1890. Ariz.
- syn. *pallida* COMSTOCK, Rept. U. S. Dept.
Agr., 243, 1880.
- a. hulstii* COCKERELL, Am. Nat., xxxi, 588, 1897. N. Mex.

CANARSIA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 179, 1880.

4843. *ulmiarrosorella* CLEMENS, Proc. Acad. Sci. Phil., East. U. S.,
205, 1860; GROTE, Bull. Geol. Surv. Terr., iv, Tex.,
698, 1878; HULST, Trans. Am. Ent. Soc., xvii, Ont.
180, 1890.
- syn. *pneumatella* HULST, Ent. Amer., iii, 137,
1887; *ulmella* RAGONOT, Diag. No. Am.
Phyc., 13, 1887; *fuscatella* HULST, Ent.
Amer., iv, 118, 1888.

- *4844. *gracilella* HULST, Can. Ent., xxxii, 174, 1900. N. J.

4845. **hammondi** RILEY, Rept. Ins. Mo., iv, 46, f. 21, 1872; Index Repts. Ins. Mo., 80, 1881; FRENCH, Rept. Dept. Agr. Ill., xv, 252, 1877; HULST, Trans. Am. Ent. Soc., xvii, 181, 1890. East. U. S., Tex., Ont.

STAUDINGERIA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 249, 1887; HULST, Trans. Am. Ent. Soc., xvii, 185, 1890.

4846. **albipennella** HULST, Ent. Amer., iii, 133, 1887; Trans. Am. Ent. Soc., xvii, 186, 1890. Cal., Ariz.

HETEROGRAPHIS Ragonot.

RAGONOT, Ent. Mon. Mag., xxii, 31, 1885; HULST, Trans. Am. Ent. Soc., xvii, 186, 1890; *Mona* HULST, Ent. Amer., iv, 115, 1888.

4847. **morrisonella** RAGONOT, Diag. No. Am. Phyc., 11, 1887; HULST, Trans. Am. Ent. Soc., xvii, 186, 1890. Tex., Col., N. Mex., Ariz.

a. coloradensis RAGONOT, Diag. No. Am. Phyc., 12, 1887; HULST, Trans. Am. Ent. Soc., xvii, 186, 1890.

b. olbiella HULST, Ent. Amer., iv, 116, 1888; Trans. Am. Ent. Soc., xvii, 186, 1890.

4848. **arizonella** HULST, Jn. N. Y. Ent. Soc., viii, 222, 1901. Ariz.

HULSTEA Ragonot.

New generic name proposed by Ragonot in manuscript for *undulatella* CLEMENS.

- *4849. **undulatella** CLEMENS, Proc. Acad. Sci. Phil., 205, 1860; GROTE, Bull. Geol. Surv. Terr., iv, 698, 1878; PACKARD, Ins. Inj. to Shade Trees, 69, 1881; HULST, Trans. Am. Ent. Soc., xvii, 187, 1890. U. S., Ont., Queb.

syn. *propriella* WALKER, Cat. Brit. Mus., xxxv, 1716, 1866.

- *4850. **texanella** HULST, Can. Ent., xxxii, 174, 1900. Tex.

HONORA Grote.

GROTE, Bull. Geol. Surv. Terr., iv, 702, 1878; No. Am. Ent., i, 11, 1879; HULST, Trans. Am. Ent. Soc., xvii, 187, 1890.

4851. **mellinella** GROTE, Bull. Geol. Surv. Terr., iv, 702, 1878; No. Am. Ent., i, 11, pl. 2, f. 11, 1879; HULST, Trans. Am. Ent. Soc., xvii, 188, 1890. Tex., Col., N. Mex., Cal.

syn. *ochrimaculella* RAGONOT, Diag. No. Am. Phyc., 12, 1887; HULST, Trans. Am. Ent. Soc., xvii, 189, 1890.

- *4852. **sciurella** RAGONOT, Diag. No. Am. Phyc., 12, 1887; HULST, Trans. Am. Ent. Soc., xvii, 189, 1890. Cal.

- *4853. *subsciurella* RAGONOT, Diag. No. Am. Phyc., 12, 1887; HULST, Trans. Am. Ent. Soc., xvii, 189, 1890. Col.
4854. *luteella* HULST, Jn. N. Y. Ent. Soc., viii, 223, 1901. Ariz.
4855. *cinerella* HULST, Jn. N. Y. Ent. Soc., viii, 223, 1901. Ariz.
4856. *dulciella* HULST, Jn. N. Y. Ent. Soc., viii, 223, 1901. Fla.
- *4857. *montinatatella* HULST, Ent. Amer., iii, 134, 1887; v, 156, 1889; Trans. Am. Ent. Soc., xvii, 189, 1890. Cal., Nev.
syn. *canicostella* RAGONOT, Diag. No. Am. Phyc., 12, 1887.
- *4858. *fumosella* HULST, Can. Ent., xxxii, 174, 1900. N. J.

DOLICHORHINIA Ragonot.

RAGONOT, Nouv. Gén. Spec. Phyc., 28, 1888; HULST, Trans. Am. Ent. Soc., xvii, 190, 1890; *Macrorrhinia* RAGONOT (not *Macrochimus* LATREILLE), Diag. No. Am. Phyc., 13, 1887.

4859. *aureofasciella* RAGONOT, Diag. No. Am. Phyc., 13, 1887; HULST, Trans. Am. Ent. Soc., xvii, 190, 1890. Tex., Cal., Ariz., Col.

DIVIANA Ragonot.

RAGONOT, Nouv. Gén. Spec. Phyc., 27, 1888; HULST, Trans. Am. Ent. Soc., xvii, 190, 1890.

- *4860. *eudoriella* RAGONOT, Nouv. Gén. Spec. Phyc., 27, 1888; C. pl. 23, f. 12, 1893; HULST, Trans. Am. Ent. Soc., xvii, 190, 1890. N. C.

OCALA Hulst.

HULST, Can. Ent., xxiv, 61, 1892.

- *4861. *dryadella* HULST, Can. Ent., xxiv, 61, 1892. Fla.

PALATKA Hulst.

HULST, Can. Ent., xxiv, 62, 1892.

- *4862. *nymphæella* HULST, Can. Ent., xxiv, 62, 1892. Fla.

EURYTHMIDIA Ragonot.

New generic name proposed by Ragonot in manuscript for *ignidorsella* RAGONOT.

- *4863. *ignidorsella* RAGONOT, Diag. No. Am. Phyc., 16, 1887; HULST, Trans. Am. Ent. Soc., xvii, 196, 1890. Ariz.

HOMŒOSOMA Curtis.

- CURTIS, Brit. Ent., iv, 311, 1834; STEPHENS, Ills., iv, 311, 1834; ZELLER, Isis, 585, 599, 1848; HOR. Soc. Ent. Ross., xvi, 237, 1881; WESTWOOD & HUMPHREYS, Brit. Moths, ii, 233, 1849; HERRICH-SCHAEFFER, Eur. Schm., iv, 103, 1849; HEINEMANN, Pyr., 196, 1865; GROTE, Bull. Geol. Surv. Terr., iv, 703, 1878; No. Am. Ent., i, 12, 1879; MEYRICK, Proc. Linn. Soc. N. S. Wales, iii, 214, 1878; vii, 159, 1882; RAGONOT, Ent. Mon. Mag., xxii, 26, 1885; HULST, Trans. Am. Ent. Soc., xvii, 191, 1890; *Phycidea* ZELLER, Isis, 178, 1839; *Lotria* GUENÉE, Ann. Soc. Ent. Fr., 320, 1845.
4864. *impressale* HULST, Trans. Am. Ent. Soc., xiii, Cal.,
163, 1886; xvii, 191, 1890. Ariz.
4865. *electellum* HULST, Ent. Amer., iii, 137, 1887; Tex., Iowa,
Trans. Am. Ent. Soc., xvii, 193, 1890. N. Mex.,
syn. *teranellum* RAGONOT, Diag. No. Am. Col.
Phyc., 15, 1887.
- *4866. *opalescellum* HULST, Ent. Amer., iii, 138, 1887; Tex.,
Trans. Am. Ent. Soc., xvii, 192, 1890. Cal.
- syn. *tenitipunctellum* RAGONOT, Diag. No. Am.
Phyc., 15, 1887.
4867. *illuvellum* RAGONOT, Nouv. Gén. Spec. Phyc., Col., Ariz.,
33, 1888; HULST, Ent. Amer., v, 155, 1889; Mex.
Trans. Am. Ent. Soc., xvii, 192, 1890.
syn. *candidellum* HULST, Ent. Amer., iv, 118,
1888.
4868. *uncanale* HULST, Trans. Am. Ent. Soc., xiii, 162, Fla., Col.,
1886; xvii, 192, 1890. Nev.
- *4869. *albiscentellum* RAGONOT, Diag. No. Am. Phyc., Cal.
15, 1887; HULST, Trans. Am. Ent. Soc., xvii,
192, 1890.
4870. *stypicellum* GROTE, Bull. Geol. Surv. Terr., iv, N.-E. U. S.,
703, 1878; No. Am. Ent., i, 12, pl. 2, f. 13, 1879; Tex.
HULST, Trans. Am. Ent. Soc., xvii, 193, 1890.
4871. *mucidellum* RAGONOT, Diag. No. Am. Phyc., 15, Tex., Col.,
1887; HULST, Trans. Am. Ent. Soc., xvii, 193, N. Mex., Cal.
1890.
- *4872. *anguliferellum* RAGONOT, Diag. No. Am. Phyc., No. Am.
16, 1887; HULST, Trans. Am. Ent. Soc., xvii,
192, 1890.

EPHESTIA Guenée.

GUENÉE, Ann. Soc. Ent. Fr., 319, 1845; ZELLER, Isis, 588, 592, 1848; HERRICH-SCHAEFFER, Eur. Schm., iv, 110, 1849; HEINEMANN, Pyr., 201, 1865; MEYRICK, Proc. Linn. Soc. N. S. Wales, iii, 215, 1878; iv, 234, 1879; vii, 160, 1882; HULST, Trans. Am. Ent. Soc., xvii, 197, 1890.

4873. *fuscofasciella* RAGONOT, Diag. No. Am. Phyc., Mo., Tex.,
17, 1887; HULST, Trans. Am. Ent. Soc., xvii, 198, Col., N. Mex.
1890.

4874. **kuehniella** ZELLER, Stett. ent. Zeit., 476, 1879; N. S., Ont.,
SNELLEN, Tidsk. Ent., xxviii, 237, pl. 8, 1885; Quebec
THOMPSON, Ent., xx, 66, 1887; BARRETT, Ent., Eur.
xxiii, 255, 1887; RILEY, Ins. Life, i, 315, 1888;
ii, 166, 1889; v, 141, 276, 1892; vi, 44, 290, 1893;
OMEROD, Ins. Life, i, 314, 1889; FLETCHER, Ins.
Life, ii, 187, 1889; Can. Ent., xxii, 41, 1890;
BELL, Am. Nat., 200, 1890; HULST, Trans. Am.
Ent. Soc., xvii, 198, 1890; DANYOZ, Mem. Lab.
Par. Veg., 1, 1893; HOWARD, Ins. Life, vii,
417, 1895; JOHNSON, Rep. Ent. Ill., xix, app.,
1896; CHITTENDEN, Dept. Agr., Farm. Bull., 45,
8, f. 4, 5, 1896; RAGONOT, C., pl. 2, f. 19, 1893;
STAUDINGER & REBEL, Cat. Lep. Eur., ii, no.
254, 1901.
syn. *gitonella* DRUCE; *sericarium* SCOTT, Proc.
Zool. Soc. Lond., 207, 1859.
- *4875. **cautella** WALKER, Cat. Brit. Mus., xxvii, 73, 1863; Eur.,
STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 271, U. S.
1901.
syn. *cahiritella* ZELLER, *passulella* BARR.
desuetella WALKER.
- *4876. **figulilella** GREGSON, Ent., v, 385, 1865; STAU- Eur.,
DINGER & REBEL, Cat. Lep. Eur., ii, no. 258, U. S.?
1901.
syn. *ficulella* BARRETT, *milleri* ZELLER.
4877. **rileyella** RAGONOT, Diag. No. Am. Phyc., 17, 1887; Utah.
HULST, Trans. Am. Ent. Soc., xvii, 198, 1890. N. Mex.
4878. **nigrella** HULST, Trans. Am. Ent. Soc., xvii, 200, Tex., Ariz.,
1890. Cal.
4879. **elutella** HÜBNER, Eur. Schm., pl. 24, 163, 1820; U. S.,
ZINCKEN, Germ. Mag., iii, 175, 1818; TREITSCHKE, Eur.
Schm. Eur., ix, 1, 194, 1832; DUPONCHEL, Hist. Nat., x, 279, 1836; STEPHENS, Ills., iv, 304, 1834;
WOOD, Ind. Ent., 1454, 1839; ZELLER, Isis, 592,
1848; HERRICH-SCHAEFFER, Eur. Schm., iv, 110,
1849; WESTWOOD & HUMPHREYS, Brit. Moths, ii,
229, pl. 115, f. 7, 1849; HEINEMANN, Pyr., 201,
1865; MORRIS, Brit. Moths, iii, pl. 79, f. 18, 1872;
MEYRICK, Proc. Linn. Soc. N. S. Wales, iii, 215,
1878; Trans. Ent. Soc. Lond., 261, 1887; ZELLER,
Verh. zool.-bot. Ges. Wien, 338, 1876; MÖSCHLER,
Stett. ent. Zeit., 393, 1880; Verh. zool.-bot. Ges.
Wien, 310, 1884; WALLENGREN, Skand. Pyr.,
1053, 1872; SNELLEN, Vlind. Neth., ii, 1, 162,
1882; FREY, Lep. Schw., 279, 1880; CHRISTOPH,
Hor. Soc. Ent. Ross., xii, 224, 1876; HULST,
Trans. Am. Ent. Soc., xvii, 200, 1890; RAGONOT,
C., pl. 2, f. 20, 1893; STAUDINGER & REBEL, Cat.
Lep. Eur. ii, no. 283, 1901.
syn. *rufa* HAWORTH, *Jutea* HAWORTH, *angusta*
HAWORTH.

EPHESTIODES Ragonot.

RAGONOT, Diag. No. Am. Phyc., 16, 1887; HULST, Trans. Am. Ent. Soc., xvii, 194, 1890

4880. *gilvescentella* RAGONOT, Diag. No. Am. Phyc., Cal.,
16, 1887; HULST, Trans. Am. Ent. Soc., xvii, Ariz.
194, 1890.
4881. *infimella* RAGONOT, Diag. No. Am. Phyc., 16, N. C.
1887; HULST, Trans. Am. Ent. Soc., xvii, 194,
1890.
4882. *nigrella* HULST, Journ. N. Y. Ent. Soc., viii, Cal.
224, 1901.
- *4883. *erythrella* RAGONOT, Diag. No. Am. Phyc., 16, Cal.
1887; HULST, Trans. Am. Ent. Soc., xvii, 195,
1890.

EURYTHMIA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 16, 1887; HULST, Trans. Am. Ent. Soc., xvii, 195, 1890.

4884. *hospitella* ZELLER, Verh. zool.-bot. Ges. Wien, Tex., N. Mex.,
xxii, 338, 1872; HULST, Trans. Am. Ent. Soc., Ariz., Col.
xvii, 196, 1890.
syn. *quantulella* HULST, Ent. Am., iii, 134,
1887.
- *4885. *coloradella* HULST, Can. Ent., xxxii, 175, 1900. Cal.

MANHATTA Hulst

HULST, Trans. Am. Ent. Soc., xvii, 196, 1890; *Hornigia* RAGONOT (not ^a), Diag. No.
Am. Phyc., 16, 1887.

4886. *ostrinella* CLEMENS, Proc. Acad. Sci. Phil., 206, Pa.,
1860. Tex.
- syn. *obtusangulella* RAGONOT, Diag. No. Am.
Phyc., 16, 1887; HULST, Trans. Ent. Soc.,
xvii, 197, 1890.

MOODNA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 193, 1890.

- *4887. *lugubrella* RAGONOT, Diag. No. Am. Phyc., 17, Cal.
1887; HULST, Trans. Am. Ent. Soc., xvii, 197,
1890.
4888. *pelviculella* HULST, Trans. Am. Ent. Soc., xvii, N. Y.,
194, 1890. Pa.

UNADILLA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 197, 1890.

- *4889. *erronella* ZELLER, Hor. Soc. Ent. Ross., xvi, N. Mex.,
238, pl. 12, f. 42, 1881. Cal.
- syn. *masutella* HULST, Trans. Am. Ent. Soc.,
xvii, 197, 1890.

^aPreoccupied, according to Hulst's manuscript.

PLODIA Guenée.

GUENÉE, Ann. Soc. Ent. Fr., 322, 1845; HEINEMANN, Pyr., 202, 1865; RAGONOT, Ent. Mon. Mag., xxii, 25, 1885; HULST, Trans. Am. Ent. Soc., xvii, 200, 1890.

4890. *interpunctella* HÜBNER, Eur. Schm., 310, 1827; U. S.,
 TREITSCHKE, Schm. Eur., ix, 1, 106, 1832; Can.
 DUPONCHEL, Hist. Nat., x, 280, 5, 1834; Suppl.,
 iv, 121, pl. 60, f. 6, 1842; ZELLER, Isis, 598, 1848;
 HERRICH-SCHAEFFER, Eur. Schm., iv, 110, 1855;
 STANTON, Man., ii, 169, 1859; HEINEMANN,
 Pyr., 202, 1865; ZELLER, Verh. zool.-bot. Ges.
 Wien, 336, 1875; MÖSCHLER, Verh. zool.-bot.
 Ges. Wien, 310, 1884; SNELLEN, Vlind. Neth.
 Micro., i, 163, 1882; FREY, Lep. Schw., 279,
 1880; RAGONOT, Ent. Mon. Mag., xxii, 25, 1885;
 RILEY & HOWARD, Ins. Life, v, 2, 277, 1890;
 HULST, Trans. Am. Ent. Soc., xvii, 201, 1890;
 STEVENSON, Rept. Ent. Soc. Ont., xxv, 57, 1894;
 CHITTENDEN, U. S. Dept. Agr., Farmers' Bull.,
 xxxix, 9, f. 6, 1897; STAUDINGER & REBEL, Cat.
 Lep. Eur., ii, no. 253, 1901.
 syn. *zoe* FITCH, Rep. Ins. N. Y., 320, pl. 4,
 f. 1, 1858; CLEMENS, Proc. Acad. Sci. Phil.,
 206, 1860.

Subfamily ANERASTINÆ.

By GEORGE D. HULST.

RAGONOTIA Grote.

GROTE, Can. Ent., xxii, 75, 1888; HULST, Trans. Am. Ent. Soc., xvii, 204, 1890; *zoe*
 RAGONOT (not GROTE), Diag. No. Am. Phyc., 17, 1887.

- *4891. *totalis* HULST, Trans. Am. Ent. Soc., xiii, 164, Cal.,
 1886; xvii, 205, 1890; RAGONOT, Mon. Phyc., i, Ariz.
 pl. 2, f. 22, 1890.

syn. *discigerella* RAGONOT, Diag. No. Am.
 Phyc., 17, 1887.

- *4892. *saganella* HULST, Trans. Am. Ent. Soc., xvii, Col.
 205, 1890.

URULA Hulst.

HULST, Can. Ent., xxxii, 175, 1900.

4893. *incongruella* HULST, Can. Ent., xxxii, 175, 1900. Col.,
 Ariz.

AURORA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 18, 1887; HULST, Trans. Am. Ent. Soc., xvii, 209, 1890.

- *4894. *longipalpella* RAGONOT, Diag. No. Am. Phyc., No. Am.
 18, 1887; HULST, Trans. Am. Ent. Soc., xvii,
 210, 1890.

4895. *nigrocinereella* HULST. Can. Ent., xxxii, 176, Tex.
1900.

4896. *nigromaculella* HULST, Journ. N. Y. Ent. Soc., Ariz.
viii, 224, 1901.

ALTOONA Hulst.

HULST, Ent. Amer., iv, 116, 1888; Trans. Am. Ent. Soc., xvii, 206, 1890.

*4897. *opacella* HULST, Ent. Amer., iii, 138, 1887; Trans. Tex.
Am. Ent. Soc., xvii, 207, 1890.

ATASCOSA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 210, 1890.

*4898. *glareosella* ZELLER. Verh. zool.-bot. Ges. Wien, Tex.
553, 1872; HULST, Trans. Am. Ent. Soc., xvii,
211, 1890.

syn. *bicolorella* HULST, Trans. Am. Ent. Soc.,
xvii, 210, 1890.

*4899. *foscella* HULST, Trans. Am. Ent. Soc., xvii, 210, Tex.
1890.

CAYUGA Hulst.

HULST, Ent. Amer., iv, 116, 1888; Trans. Am. Ent. Soc., xvii, 208, 1890.

4900. *gemmatella* HULST, Ent. Amer., iii, 134, 1887; Ill., Col.,
Trans. Am. Ent. Soc., xvii, 209, 1890. Cal.

∞. *bistriatella* HULST, Trans. Am. Ent. Soc., xvii,
209, 1890.

MARICOPA Hulst.

HULST, Trans. Am. Ent. Soc. xvii, 205, 1890.

*4901. *lativittella* RAGONOT, Diag. No. Am. Phyc., 18, Ariz.
1887; HULST, Trans. Am. Ent. Soc., xvii, 206,
1890.

*4902. *albocostella* HULST, Can. Ent., xxxii, 176, 1900. N. J.

TRIVOLUSIA Dyar.

Volusia HULST (not DESVOIDY), Trans. Am. Ent. Soc., xvii, 206, 1890.—H. G. DYAR.

*4903. *roseopennella* HULST, Trans. Am. Ent. Soc., xvii, Fla.
206, 1890.

*4903. 1. *pallidipennata* HULST, Can. Ent., xxvii, 56, Col.
1895.

SALURIA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 258, 1887; HULST, Trans. Am. Ent. Soc., xvii, 211, 1890

*4904. *ostreella* RAGONOT, Diag. No. Am. Phyc., 18, Ariz.
1887; HULST, Trans. Am. Ent. Soc., xvii, 211,
1890.

- *4905. *tetradella* ZELLER, Verh. zool.-bot. Ges. Wien, 552, 1872; HULST, Trans. Ent. Soc., xvii, 207, 1890. Tex., Col.
- *4906. *rostrella* RAGONOT, Diag. No. Am. Phyc., 18, 1887; Mon. Phyc., i, pl. 1, f. 3, 1893; HULST, Trans. Am. Ent. Soc., xvii, 211, 1890. Cal.
- *4907. *dichrocella* RAGONOT, Ent. Amer., v, 113, 1889; HULST, Trans. Am. Ent. Soc., xvii, 207, 1890. Cal.
4908. *ardiferella* HULST, Ent. Amer., iv, 118, 1888; Trans. Am. Ent. Soc., xvii, 208, 1890. Tex., Col., N. Mex., Cal.

MARTIA Ragonot.

- RAGONOT, Diag. No. Am. Phyc., 18, 1887; HULST, Trans. Am. Ent. Soc., xviii, 209, 1890.
- *4909. *arizonella* RAGONOT, Diag. No. Am. Phyc., 18, 1887; HULST, Trans. Am. Ent. Soc., xvii, 209, 1890. Ariz.

NAVASOTA Ragonot.

- RAGONOT, Diag. No. Am. Phyc., 18, 1887; HULST, Trans. Am. Ent. Soc., xvii, 212, 1890.
- *4910. *hebetella* RAGONOT, Diag. No. Am. Phyc., 18, 1887; HULST, Trans. Am. Ent. Soc., xvii, 212, 1890. Tex.

PEORIA Ragonot.

- RAGONOT, Diag. No. Am. Phyc., 19, 1887; HULST, Trans. Am. Ent. Soc., xvii, 213, 1890.
4911. *approximella* WALKER, Cat. Brit. Mus., xxxv, 1722, 1866. East. U. S., Tex., Col., Ont.
syn. *haematica* ZELLER, Verh. zool.-bot. Ges. Wien, 555, 1872; HULST, Trans. Am. Ent. Soc., xvii, 218, 1890; *rosatella* PACKARD, Ann. N. Y. Lyc. Nat. Hist., x, 270, 1873; GROTE, Bull. Geol. Surv. Terr., iv, 704, 1878; No. Am. Ent., i, 12, pl. ii, f. 14, 1879.
4912. *bipartitella* RAGONOT, Diag. No. Am. Phyc., 19, 1887; HULST, Trans. Am. Ent. Soc., xvii, 214, 1890. N. C.
- *4913. *albidella* HULST, Can. Ent., xxxiii, 175, 1900. Cal.

HYPSTROPA Zeller.

- ZELLER, Isis, 591, 1848; HEINEMANN, Pyr., 200, 1865; HULST, Trans. Am. Ent. Soc., xvii, 212, 1890.
- *4914. *luteicostella* RAGONOT, Diag. No. Am. Phyc., 19, 1887; HULST, Trans. Am. Ent. Soc., xvii, 212, 1890. Fla.

WEKIVA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 215, 1890.

- *4915. *nodosella* HULST, Trans. Am. Ent. Soc., xvii, Fla.
215, 1890.

HOMOSASSA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 214, 1890.

4916. *ella* HULST, Ent. Amer., iii, 138, 1887; Trans. Fla.
Am. Ent. Soc., xvii, 214, 1890.

DANNEMORA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 212, 1890.

- *4917. *edentella* HULST, Trans. Am. Ent. Soc., xvii, Fla.
213, 1890.

BANDERA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 19, 1887; HULST, Trans. Am. Ent. Soc., xvii, 202, 1890.

- *4918. *binotella* ZELLER, Verh. zool.-bot. Ges. Wien, Tex.,
xxii, 554, 1872; HULST, Trans. Am. Ent. Soc., N. Mex.
xvii, 202, 1890.

- *4919. *cupidinella* HULST, Ent. Amer., iv, 118, 1888; Col.,
Trans. Am. Ent. Soc., xvii, 203, 1890. N. Mex.

- *4920. *subluteella* RAGONOT, Diag. No. Am. Phyc., 19, N. Mex.,
1887; HULST, Trans. Am. Ent. Soc., xvii, 202, Cal.
1890.

TAMPA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 19, 1887; HULST, Trans. Am. Ent. Soc., xvii, 203, 1890.

4921. *dimediatella* RAGONOT, Diag. No. Am. Phyc., Fla.,
20, 1887; HULST, Trans. Am. Ent. Soc., xvii, Tex.
203, 1890.

STATINA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 19, 1887; HULST, Trans. Am. Ent. Soc., xvii, 216, 1890.

- *4922. *roseotinctella* RAGONOT, Diag. No. Am. Phyc., Fla.,
19, 1887; HULST, Trans. Am. Ent. Soc., xvii, Tex.
216, 1890.

- *4923. *gaudiella* HULST, Trans. Am. Ent. Soc., xvii, Tex.
216, 1890.

PETALUMA Hulst.

HULST, Ent. Amer., iv, 116, 1888; Trans. Am. Ent. Soc., xvii, 215, 1890.

4924. *illibella* HULST, Ent. Amer., iii, 138, 1887; Trans. Tex.
Am. Ent. Soc., xvii, 216, 1890.

syn. *puricostella* RAGONOT, Diag. No. Am.
Phyc., 20, 1887.

4925. *inspergella* RAGONOT, Diag. No. Am. Phyc., 20, Tex., Col.,
1887; HULST, Trans. Am. Ent. Soc., xvii, 216, Ariz.
1890.

CALERA Ragonot.

RAGONOT, Nouv. Gén. Spec. Phyc., 50, 1888; HULST, Trans. Am. Ent. Soc., xvii, 217, 1890.

- *4926. **punctilimbella** RAGONOT, Nouv. Gén. Spec. Phyc., N. C.,
50, 1888; HULST, Trans. Am. Ent. Soc., xvii, 217, Iowa.
1890.

CENOCHROA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 20, 1887; HULST, Trans. Am. Ent. Soc., xvii, 217, 1890.

- *4927. **californiella** RAGONOT, Diag. No. Am. Phyc., 20, Cal.,
1887; Mon. Phyc. Gall., pl. 3, f. 3, 1893; HULST, Ariz.,
Trans. Am. Ent. Soc., xvii, 217, 1890. Col.

CHIPOTA Hulst.

HULST, Can. Ent., xxiv, 62, 1892; *Osecola* HULST (not BARRD), Sm. List Lep., 85, 1891.

- *4928. **perlepidella** HULST, Can. Ent., xxiv, 62, 1892. Fla.

Family PTEROPHORIDÆ.

(C.=FERNALD, Pter. No. Am., Spec. Bull. Hatch. Exp. Sta., Mass. Agr. Coll., 1898.)

TRICHOPTILUS Walsingham.

WALSINGHAM, Pter. Cal. & Oreg., 62, 1880; TUTT, Mon. Pter. Brit., 77, 1891; MEYRICK, Handb. Brit. Lep., 430, 1895; HOFMANN, Pteroph., 121, 1895; FERNALD, C. 13, 1898.

- *4929. **pygmæus** WALSINGHAM, Pter. Cal. & Oreg., 64, Cal.
1880; FERNALD, C. 14, 1898.

- *4930. **ochrodactylus** FISH, Can. Ent., xiii, 142, 1881; Tex
FERNALD, C. 15, 1898.

4931. **lobidactylus** FITCH, Trans. N. Y. Agr. Soc., xiv, N. Eng.,
847, 1854; FERNALD, C. 15, 1898; DYAR, Psyche, N. Y., Col.,
viii, 249, 1898. Cal.

syn. *californicus* WALSINGHAM, Pter. Cal. &
Oreg., 60, 1880.

OXYPTILUS Zeller.

ZELLER, Isis, viii, 765, 1841; Linn. Ent. vi, 342, 1852; HERRICH-SCHAEFFER, Schm. Eur., v, 370, 1854; WALLENGREN, Fjäderm., 14, 1859; HEINEMANN & WOCKE, Kleinschm., ii, 2, 789, 1876; MEYRICK, Trans. Ent. Soc. Lond., 8, 1886; 485, 1890; TUTT, Mon. Pter. Brit., 60, 1891; MEYRICK, Handb. Brit. Lep., 431, 1895; HOFMANN, Pteroph., 95, 1895; FERNALD, C. 16, 1898.

4932. **periscelidactylus** FITCH, Trans. N. Y. Agr. Soc., Atl.
xiv, 843, 1854; RILEY, Rep. Ins. Mo., i, 137, States.
1869; Am. Ent., ii, 234, 1870; ZELLER, Stett.
ent. Zeit., xxii, 178, 1871; PACKARD, Guide,
356, 1872; ZELLER, Verh. zool.-bot. Ges. Wien,
xxiii, 319, 1873; SAUNDERS, Can. Ent., v, 99,
1873; WALSINGHAM, Pter. Cal. & Oreg., 25, 1880;
SAUNDERS, Ins. Inj. Fruits, 268, 1889; COMSTOCK,
Man., 238, 1895; SMITH, Econ. Ent., 318, 1896;
FERNALD, C. 17, 1898.

4933. *delawaricus* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 320, 1873; WALSINGHAM, Pter. Cal. & Oreg., 29, 1880; FERNALD, C. 19, 1898; DYAR, Proc. U. S. Nat. Mus., xxv, 397, 1902. No. Atl. States, Col., Cal.
- *4934. *ningoris* WALSINGHAM, Pter. Cal. & Oreg., 26, 1880; FERNALD, C. 20, 1898. Cal., Oreg.
4935. *tenuidactylus* FITCH, Trans. N. Y. Agr. Soc., xiv, 848, 1854; FERNALD, C. 20, 1898; DYAR, Psyche, viii, 249, 1898. Atl. States, Col., Cal.
- syn. *nigrociliatus* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 322, 1873; WALSINGHAM, Pter. Cal. & Oreg., 31, 1880; SAUNDERS, Ins. Inj. Fruits, 314, 1889; *delawaricus* FORBES, Rep. Ent. Ill., xiv, 91, 1885.

PLATYPTILIA Hübner.

HÜBNER, Verz. bek. Schmett., 429, 1826; HEINEMANN & WOCKE, Kleinschm., ii, 2, 783, 1876; MEYRICK, Trans. Ent. Soc. Lond., 9, 1886; 485, 1890; TUTT, Mon. Pter. Brit., 22, 1891; MEYRICK, Handb. Brit. Lep., 432, 1895; HOFMANN, Pteroph., 36, 1895; FERNALD, C. 22, 1898; *Platyptilus* ZELLER, Isis, viii, 764, 1841; Linn. Ent., vi, 326, 1852; HERRICH-SCHAEFFER, Schm. Eur., v, 366, 1854; WALLENGREN, Fjäderm., 11, 1859.

- *4936. *pica* WALSINGHAM, Pter. Cal. & Oreg., 21, 1880; FERNALD, C. 24, 1898. Cal., Vanc. Id.
4937. *cosmodactyla* HÜBNER, Schm. Eur., Aluc., pl. vii, f. 35, 36, 1823; TREITSCHKE, Schm. Eur., ix, 2, 235, 1833; STEPHENS, Ill. Brit. Ent., Haust., iv, 377, 1834; WOOD, Ind. Ent., f. 1649, 1854; HERRICH-SCHAEFFER, Schm. Eur., v, 369, 1854; HEINEMANN & WOCKE, Kleinschm., ii, 2, 788, 1876; WALSINGHAM, Pter. Cal. & Oreg., 23, 1880; JORDAN, Ent. Mon. Mag., xviii, 117, 1881; LEECH, Brit. Pyr., 56, 1886; MEYRICK, Handb. Brit. Lep., 433, 1895; HOFMANN, Pteroph., 65, 1895; FERNALD, C. 25, 1898; TUTT, Ent. Rec., xi, 238, 1899; DYAR, Proc. U. S. Nat. Mus., xxv, 399, 1902. Eur., Cal.
- syn. *punctidactyla* HAWORTH, Lep. Brit., iii, 479, 1811; WOOD, Ind. Ent., f. 1648, 1854; *ulodactyla* ZETTERSTEDT, Ins. Lap., 1012, 1840.
4938. *marmarodactyla* DYAR (near *cosmodactyla*, but smaller, expanse 17-18 mm., fore wing smooth, even gray, reddish tinted, a rounded orange and whitish patch covering basal half of first feather and resting on fissure; scale tuft on third feather of hind wing not triangular). Cal., N. Mex.

4939. *acanthodactyla* HÜBNER, Eur. Schmett., Aluc., pl. v, f. 23, 24, 1818; TREITSCHKE, Schm. Eur., ix, 2, 234, 1833; HERRICH-SCHAEFFER, Schm. Eur., v, 369, 1854; HEINEMANN & WOCKE, Kleinschm., ii, 2, 788, 1876; SNELLEN, Vlind. Nederl., ii, 2, 1023, 1882; LEECH, Brit. Pyr., 56, 1886; HOFMANN, Pteroph., 61, 1895; MEYRICK, Handb. Brit. Lep., 433, 1895; FERNALD, C. 25, 1898; WALSINGHAM, Ent. Mon. Mag., xxxiv, 192, 1898; TUTT, Ent. Rec., xi, 238, 1899. Eur., N. Y., Cal., Oreg.
- *4940. *edwardsii* FISH. Can. Ent., xiii, 72, 1881; FERNALD, C. 25, 1898. Me., Mass.
4941. *carduidaactyla* RILEY. Rep. Ins. Mo., i, 180, 1869; FERNALD, C. 26, 1898. U. S.
syn. *cardui* ZELLER, Stett. ent. Zeit., xxxii, 179, 1871; Verh. zool.-bot. Ges. Wien, xxiii, 318, 1873; WALSINGHAM, Pter. Cal. & Oreg., 7, 1880; RILEY, Gen. Ind., 83, 1881; WALSINGHAM, Ent. Mon. Mag., xxxiv, 192, 1898.
4942. *perenodactyla* WALSINGHAM, Pter. Cal. & Oreg., 8, 1880; FERNALD, C. 27, 1898. Cal.
- *4943. *shastæ* WALSINGHAM, Pter. Cal. & Oreg., 14, 1880; FERNALD, C. 28, 1898. Cal.
4944. *fragilis* WALSINGHAM, Pter. Cal. & Oreg., 16, 1880; FERNALD, C. 28, 1898. Cal.
4945. *orthocarpi* WALSINGHAM, Pter. Cal. & Oreg., 11, 1880; FERNALD, C. 29, 1898. Oreg.
4946. *albida* WALSINGHAM, Pter. Cal. & Oreg., 10, 1880; FERNALD, C. 29, 1898. Cal., Oreg.
- *4947. *albidorsella* WALSINGHAM, Pter. Cal. & Oreg., 13, 1880; FERNALD, C. 30, 1898. Cal.
- *4948. *grandis* WALSINGHAM, Pter. Cal. & Oreg., 6, 1880; FERNALD, C. 30, 1898. Cal.
4949. *cooleyi* FERNALD, Pter. No. Am., 30, 1898. Col., Cal.
4950. *modesta* WALSINGHAM, Pter. Cal. & Oreg., 18, 1880; FERNALD, C. 31, 1898. Ariz., Cal.
4951. *petrodactyla* WALKER, Cat. Brit. Mus., xxx, 940, 1864; WALSINGHAM, Pter. Cal. & Oreg., 20, 1880; FERNALD, C. 31, 1898. Arctic Am.
- *4952. *adusta* WALSINGHAM, Pter. Cal. & Oreg., 5, 1880; FERNALD, C. 32, 1898. Cal.
- *4953. *albiciliata* WALSINGHAM, Pter. Cal. & Oreg., 17, 1880; FERNALD, C. 32, 1898. Cal.
- *4954. *albicans* FISH. Can. Ent., xiii, 71, 1881; FERNALD, C. 32, 1898. Nev.

4955. *tesseradactyla* LINNÆUS, Faun. Suec., 370, 1761; HEINEMANN & WOCKE, Kleinschm., ii, 2, 787, 1876; ZELLER, Stett. ent. Zeit., xxxix, 162, 1878; BARRETT, Ent. Mon. Mag., xxxiii, 25, 1897; FERNALD, C. 33, 1898.
 syn. *fischeri* ZELLER, Isis, viii, 781, 1841; TENGSTRÖM, Bidr., 155, 1847; ZELLER, Linn. Ent., vi, 337, 1852; HERRICH-SCHAEFFER, Schm. Eur., v, 369, 1854.
4956. *marginidactyla* FITCH, Trans. N. Y. Agr. Soc., xiv, 848, 1854; FERNALD, C. 34, 1898.
 syn. *nebulædactylus* FITCH, Trans. N. Y. Agr. Soc., xiv, 849, 1854; *bertrami* ROESSLER, Wien. ent. Mon., viii, 54, 1864; ZELLER, Stett. ent. Zeit., xxxiv, 135, 1873; HEINEMANN & WOCKE, Kleinschm., ii, 2, 784, 1876; WALSHINGHAM, Pter. Cal. & Oreg., 3, 1880; SNELLEN, Vlind. Nederl., ii, 2, 1017, 1882; PORRITT, Ent. Mon. Mag., xxii, 103, 1885; xxiii, 163, 1886; LEECH, Brit. Pyr., 52, 1886; TUTT, Mon. Pter. Brit., 31, 1891; MEYRICK, Handb. Brit. Lep., 434, 1895; HOFMANN, Pteroph., 55, 1895; *bischoffii* ZELLER, Stett. ent. Zeit., xxviii, 333, 1867; Verh. zool.-bot. Ges. Wien, xxiii, 317, 1873; *cervinidactylus* PACKARD, Ann. Lye. Nat. Hist. N. Y., x, 266, 1873.

ALUCITA Linnæus.

- LINNÆUS, Syst. Nat., 542, 1758; WALSHINGHAM, Ent. Mon. Mag., 33, 41, 1897; FERNALD, C. 36, 1898; *Acipitia* HÜBNER, Verz. bek. Schmett., 430, 1826; *Acipitilus* ZELLER, Isis, viii, 768, 1841; WALLENGREN, Fjäderm., 23, 1859; *Pterophorus* MEYRICK, Trans. Ent. Soc. Lond., 10, 1885; 489, 1890; Handb. Brit. Lep., 435, 1895.
4957. *walshinghami* FERNALD, Pter. No. Am., 36, 1898. Col.
- *4958. *belfragei* FISH, Can. Ent., xiii, 142, 1881; FERNALD, C. 37, 1898. Tex.
4959. *montana* WALSHINGHAM, Pter. Cal. & Oreg., 59, 1880; FERNALD, C. 37, 1898. Cal., N. Y.
4960. *cinerascens* WALSHINGHAM, Pter. Cal. & Oreg., 57, 1880; FERNALD, C. 39, 1898; DYAR, Proc. U. S. Nat. Mus., xxv, 399, 1902. Cal., Col.

PTEROPHORUS Geoffroy.

- GEOFFROY, Hist. Abr. Ins., ii, 90, 1762; WALLENGREN, Fjäderm., 20, 1859; TUTT, Mon. Pter. Brit., 110, 1891; HOFMANN, Pteroph., 131, 1895; FERNALD, C. 39, 1898; *Oidematophorus* WALLENGREN, Fjäderm., 19, 1859; *Leioptilus* WALLENGREN, Fjäderm., 21, 1859; *Lioptilus* MEYRICK, Trans. Ent. Soc. Lond., 10, 1886; *Alucita* MEYRICK, Trans. Ent. Soc. Lond., 487, 1890; Handb. Brit. Lep., 438, 1895.
- *4961. *fishii* FERNALD, Can. Ent., xxv, 95, 1893; C. 40, 1898. Nev.

4962. *homodactylus* WALKER, Cat. Brit. Mus., xxx, 941, 1864; WALSINGHAM, Pter. Cal. & Oreg., 50, 1880; COQUILLET, Pap., ii, 62, 1882; FERNALD, C. 41, 1898. Cal., Oreg.
4963. *brucei* FERNALD, Pter. No. Am., 42, 1898. Cal.
4964. *elliottii* FERNALD, Can. Ent., xxv, 95, 1893; C. 42, 1898; DYAR, Psyche, viii, 250, 1898. N. Y.
- *4965. *subochraceus* WALSINGHAM, Pter. Cal. & Oreg., 53, 1880; FERNALD, C. 43, 1898. Mass., Cal.
- *4966. *lacteodactylus* CHAMBERS, Can. Ent., v, 72, 1873. Ky.
- *4967. *helianthi* WALSINGHAM, Pter. Cal. & Oreg., 54, 1880; FERNALD, C. 43, 1898. So. Oreg.
- *4968. *bipunctatus* MÖSCHLER, Ab. Senck. nat. Ges., xv, 346, 354, 1890; WALSINGHAM, Proc. Zool. Soc. Lond., 496, 1891; 61, 1897. Fla.
syn. *microdactylus* HEDEMANN, Stett. ent. Zeit., lvii, 9, 1896.
- *4969. *stramineus* WALSINGHAM, Pter. Cal. & Oreg. 41, 1880; FERNALD, C. 44, 1898. So. Oreg.
- *4970. *angustus* WALSINGHAM, Pter. Cal. & Oreg., 43, 1880; FERNALD, C. 44, 1898. Cal.
4971. *sulphureodactylus* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 266, 1873; FERNALD, C. 44, 1898; DYAR, Proc. U. S. Nat. Mus., xxv, 398, 1902. Cal., Col.
syn. *sulphureus* WALSINGHAM, Pter. Cal. & Oreg., 48, 1880.
- *4972. *mathewianus* ZELLER, Verh. zool.-bot. Ges. Wien, xxiv, 23, 1874; FERNALD, C. 45, 1898. Vanc., Id.
4973. *paleaceus* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 326, 1873; WALSINGHAM, Pter. Cal. & Oreg., 41, 1880; MÖSCHLER, Ab. Senck. Ges., xv, 346, 354, 1890; WALSINGHAM, Proc. Zool. Soc. Lond., 495, 1891; FERNALD, C. 45, 1898. W. I., Ohio, Ill., Mo., Tex., Oreg. Cal.
syn. *sericidactylus* MURTFELDT, Am. Ent., iii, 235, 1880.
- *4974. *agraphodactylus* WALKER, Cat. Brit. Mus., xxx, 941, 1864; WALSINGHAM, Pter. Cal. & Oreg., 46, 1880; Proc. Zool. Soc. Lond., 496, 1891; Proc. Zool. Soc. Lond., 6, 1897; FERNALD, C. 47, 1898. W. I., So. Oreg.
syn. *aspilodactylus* WALKER, Cat. Brit. Mus., xxx, 941, 1864; BUTLER, Proc. Zool. Soc. Lond., 495, 1878; WALSINGHAM, Proc. Zool. Soc. Lond., 496, 1891.

- *4975. *inconditus* WALSINGHAM, Pter. Cal. & Oreg., 44, 1880; FERNALD, C. 47, 1898. Cal., D. C.
- *4976. *parvus* WALSINGHAM, Pter. Cal. & Oreg., 55, 1880; FERNALD, C. 48, 1898. Ariz., Cal.
4977. *kellicottii* FISH, Can. Ent., xiii, 141, 1881; FERNALD, C. 49, 1898. N. Y.
4978. *rhynchosiaë* DYAR, Psyche, viii, 249, 1898. Fla.
4979. *grandis* FISH, Can. Ent., xiii, 141, 1881; FERNALD, C. 50, 1898. Cal.
4980. *rileyi* FERNALD, Pter. No. Am., 50, 1898. Cal.
4981. *monodactylus* LINNÆUS, Syst. Nat., i, 542, 1758; WALLENGREN, Fjäderm., 20, 1859; HEINEMANN & WOCKE, Kleinschm., ii, 2, 801, 1876; WALSINGHAM, Pter. Cal. & Oreg., 39, 1880; SNELLEN, Vlind. Nederl., ii, 1048, 1882; SOUTH, Ent., xviii, 277, 1885; TUTT, Mon. Pter. Brit., 111, 1891; MEYRICK, Handb. Brit. Lep., 439, 1895; HOFMANN, Pteroph., 133, 1895; FERNALD, C. 51, 1898. Eur., No. Africa, W. Asia, Maine to Cal.
 syn. *pterodactyla* HÜBNER, Eur. Schmett., Aluc., pl. 1, f. 4, 1803; TREITSCHKE, Schm. Eur., ix, 2, 246, 1833; ZELLER, Isis, viii, 846, 1841; Linn. Ent., vi, 377, 1852; HERRICH-SCHAEFFER, Schm. Eur., v, 379, 1854; *cineridactylus* FITCH, Trans. N. Y. Agr. Soc., xiv, 848, 1854; *nevrosidactylus* FITCH, Trans. N. Y. Agr. Soc., xiv, 849, 1854; *pergracilidactylus* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 265, 1873.
4982. *cretidactylus* FITCH, Trans. N. Y. Agr. Soc., xiv, 849, 1854; FERNALD, Can. Ent., xxv, 96, 1893; C. 52, 1898; DYAR, Psyche, viii, 250, 1898. N. Y., Cal.
 syn. *occidentalis* WALSINGHAM, Pter. Cal. & Oreg., 37, 1880.
4983. *eupatorii* FERNALD, Can. Ent., xxv, 96, 1893; C. 52, 1898; DYAR, Psyche, viii, 250, 1898. N. Y., Cal., Vanc. Id.
 syn. *cretidactylus* ZELLER, Verh. zool.-bot. Ges. Wien, xxiv, 22, 1874; WALSINGHAM, Pter. Cal. & Oreg., 35, 1880; KELLICOTT, Bull. Buff. Soc., iv, 2, 1882.
- *4984. *guttatus* WALSINGHAM, Pter. Cal. & Oreg., 36, 1880; FERNALD, C. 53, 1898. Cal.
- *4985. *cinereus* FISH, Can. Ent., xiii, 73, 1881; FERNALD, C. 54, 1898. Wash.
- *4986. *baroni* FISH, Can. Ent., xiii, 73, 1881; FERNALD, C. 54, 1898. Cal.

- *4987. *gratiosus* FISH, Can. Ent., xiii, 73, 1881; FERNALD, C. 54, 1898. Cal.
- *4988. *lugubris* FISH, Can. Ent., xiii, 140, 1881; FERNALD, C. 55, 1898. Cal.
4989. *grisescens* WALSINGHAM, Pter. Cal. & Oreg., 34, 1880; FERNALD, C. 55, 1898. So. Oreg.
4990. *inquinatus* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 325, 1873; COQUILLET, Pap., ii, 61, 1882; HEDEMANN, Stett. ent. Zeit., lvii, 9, 1896; WALSINGHAM, Proc. Zool. Soc. Lond., 59, 1897; FERNALD, C. 56, 1898. Ala., Tex., Mo., Col., Ariz., W. I.
syn. *ambrosiæ* MURTFELDT, Am. Ent., iii, 236, 1880.
- STENOPTILIA Hübner.
- HÜBNER, Verz. bek. Schmett., 430, 1826; ZELLER, Isis, viii, 766, 1841; MEYRICK, Trans. Ent. Soc. Lond., 487, 1890; Handb. Brit. Lep., 440, 1895; HOFMANN, Pteroph., 68, 1895; FERNALD, C. 57, 1898.
- *4991. *pumilio* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 324, 1873; WALSINGHAM, Proc. Zool. Soc. Lond., 495, 1891; 58, 1897; FERNALD, C. 58, 1898. Tex.
syn. *gibridorsis* (part) HEDEMANN, Stett. ent. Zeit., lvii, 8, 1896.
4992. *pterodactyla* LINNÆUS, Faun. Succ., 371, 1761; WALLENGREN, Fjädern., 18, 1859; HEINEMANN & WOCKE, Kleinschm., ii, 2, 797, 1876; SNELLEN, Vlind. Nederl., ii, 1040, 1882; LEECH, Brit. Pyr., 61, 1886; TUTT, Mon. Pter. Brit., 100, 1891; MEYRICK, Handb. Brit. Lep., 440, 1895; FERNALD, C. 58, 1898. Eur., N. Y.
syn. *fuscus* RETZIUS, Gen. et Spec., 35, 1783; ZELLER, Isis, viii, 841, 1841; Linn. Ent., vi, 371, 1852; HERRICH-SCHAEFFER, Schm. Eur., v, 375, 1854; HOFMANN, Pter., 82, 1895; *ptilodactyla* HÜBNER, Eur. Schmett., Aluc., pl. 3, f. 16, 1803; TREITSCHKE, Schm. Eur., ix, 2, 244, 1833; *fuscodactyla* HAWORTH, Lep. Brit., 476, 1811.
4993. *exclamationis* WALSINGHAM, Pter. Cal. & Oreg., 32, 1880; FERNALD, C. 59, 1898. Cal., Oreg.
- *4994. *mengeli* FERNALD, No. Am. Pter., 60, 1898. No. Greenland.
- *4995. *semicostata* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 323, 1873; FERNALD, C. 60, 1898. Tex.
4996. *coloradensis* FERNALD, No. Am. Pter., 61, 1898. Col.

Family ORNEODIDÆ.

ORNEODES Latreille.

LATREILLE, Préc. Gén. Ins., 148, 1796; Hist. Nat. Crust. Ins., iii, 418, 1802; TREITSCHKE, Schm. Eur., ix, 2, 254, 1833; MEYRICK, Trans. Ent. Soc. Lond., 490, 1890; Handb. Brit. Lep., 442, 1895; FERNALD, C. 61, 1898; *Alucita* (part) LINNÆUS, Syst. Nat., 542, 1758; STEPHENS, Ill. Brit. Ent., Haust., iv, 334, 1834; ZELLER, Isis, viii, 867, 1841; HERRICH-SCHAEFFER, Schm. Eur., v, 386, 1854; WALLENGREN, Fjäderm., 25, 1859; HEINEMANN & WOCKE, Kleinschm., ii, 2, 811, 1876; *Ripidophora* HÜBNER, Tentamen, 1806; *Euchiradia* HÜBNER, Verz. bek. Schm., 431, 1826.

4997. *hexadactyla* LINNÆUS, Syst. Nat., 542, 1758; Eur.,
WOOD, Ind. Ent., f. 1653, 1854; HEINEMANN & N. Y.,
WOCKE, Kleinschm., ii, 2, 813, 1876; WALSING- Mo.,
HAM, Pter. Cal. & Oreg., 66, 1880; SNELLEN, Cal.,
Vlind. Nederl., ii, 2, 1060, 1882; SOUTH, Ent., xvi, Col.,
74, 1883; LEECH, Brit. Pyr., 69, 1886; TUTT, Oreg.,
Mon. Pter. Brit., 158, 1891; MEYRICK, Handb. Can.,
Brit. Lep., 442, 1895; FERNALD, C. 62, 1898. Manitoba.

syn. *polydactyla* HÜBNER, Eur. Schmett., Aluc.,
pl. vi, f. 28, 1816; TREITSCHKE, Schm. Eur.,
ix, 2, 257, 1833; *montana* COCKERELL, Ent.
Mon. Mag., xxv, 213, 1889.

Family TORTRICIDÆ.

By C. H. FERNALD.

Subfamily OLETHREUTINÆ.

EVETRIA Hübner.

HÜBNER, Verz. bek. Schmett., 378, 1826; MEYRICK, Handb. Brit. Lep., 470, 1895; *Retinia* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 180, 1845; HEINEMANN, Kleinschm., i, 1, 93, 1863.

4998. *frustrana* COMSTOCK, Rept. Dept. Agr., 1879, 236, Mass.,
1880; SCUDDER, Pine Moth of Nantucket, 4, N. Y.,
1883. Va.
- *4999. *rigidana* FERNALD, Rept. Dept. Agr., 1879, 237, N. Y.
1880.
5000. *comstockiana* FERNALD, Can. Ent., xi, 157, 1879; N. Y.,
COMSTOCK, Rept. Dept. Agr., 1879, 235, 1880. Md.
- *5001. *turionana* HÜBNER, Eur. Schmett., Tort., ff. 220, Eur.,
221, 1818; FRÖLICH, En. Tort. Würt., 69, 1828; Nev.
TREITSCHKE, Schm. Eur., viii, 137, 1830; DUPON-
CHEL, Hist. Nat. Lép. Fr., ix, 233, 1834;
RATZBURG, Forst. Ins., i, 207, 1839; HERRICH-
SCHAEFFER, Schm. Eur., iv, 222, 1851; HEINE-
MANN, Kleinschm., i, 1, 94, 1863.
- syn. *turionella* WILKINSON, Brit. Tort., 222,
1859.

- *5002. *sylvestrana* CURTIS, Ann. Mag. Nat. Hist., (2), v, 3, 1850; WILKINSON, Brit. Tort., 220, 1859. Eur., Oreg.
- *5003. *pini vorana* ZELLER, Isis, 225, 1846; WILKINSON, Brit. Tort., 219, 1859; HEINEMANN, Kleinschm., i, 1, 95, 1863; MEYRICK, Handb. Brit. Lep., 471, 1895. Eur., Oreg.
- syn. *pudendana* HERRICH-SCHAEFFER, Schm. Eur., iv, 222, 1851.
- *5004. *subcervinana* WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 25, 1879. Oreg.

POLYCHROSIS Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., lxiii, 208, 1894.

5005. *botrana* SCHIFFERMÜLLER, Syst. Verz. Wien, 131, 1776; HERRICH-SCHAEFFER, Schm. Eur., iv, 225, 1851. Atl. States, Eur.
- syn. *vitisana* JACQUIN, Coll., ii, 97, 1788; *reliquana* HÜBNER, Verz. bek. Schmett., 381, 1816; TREITSCHKE, Schm. Eur., x, 3, 146, 1835; WILKINSON, Brit. Tort., 280, 1859; *vitteana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 359, 1860; *vitivorana* PACKARD, Guide Stud. Ins., 336, 1869; RILEY, Rep. Ins. Mo., i, 133, 1869; WALSH & RILEY, Am. Ent., i, 177, 1869.

BACTRA Stephens.

- STEPHENS, Ill. Brit. Ent., Haust., iv, 124, 1834; WILKINSON, Brit. Tort., 144, 1859; MEYRICK, Handb. Brit. Lep., 456, 1895.
5006. *lanceolana* HÜBNER, Schm. Eur., Tort., f. 80, 1800; TREITSCHKE, Schm. Eur., viii, 324, 1830; DUPONCHEL, Hist. Nat. Léop. Fr., ix, 239, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 243, 1851; WILKINSON, Brit. Tort., 145, 1859; HEINEMANN, Kleinschm., i, 1, 134, 1863. U. S., W. I., Eur., Asia, Africa, Australia, N. Z.
- syn. *dibeliana* HÜBNER, Schm. Eur., Tort., f. 272, 1823; *lanceana* FRÖLICH, En. Tort. Würt., 98, 1828.
- a. verutana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 247, 1875.
5007. *furfurana* HAWORTH, Lep. Brit., 466, 1811; WILKINSON, Brit. Tort., 147, 1859; HEINEMANN, Kleinschm., i, 1, 135, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 247, 1875. Eur., Mass.
- syn. *acutana* EVERS-MANN, Faun. Volg. Ural., 529, 1844; *lamana* ZELLER, Isis, 257, 1846; *scirpana* HERRICH-SCHAEFFER, Schm. Eur., iv, 243, 1851.
- *5008. *inquadranata* WALSINGHAM, Trans. Ent. Soc. Lond., 134, 1884. Ariz.

EXARTEMA Clemens.

- CLEMENS, Proc. Acad. Nat. Sci. Phil., 356, 1860; MEYRICK, Handb. Brit. Lep., 457, 1895.
- *5009. *fagigemmeanum* CHAMBERS, Can. Ent., x, 74, Pa.,
1878. Ky.
- *5010. *nitidanum* CLEMENS, Proc. Acad. Nat. Sci. Phil., Pa.
356, 1860; Proc. Ent. Soc. Phil., v, 133, 1865.
5011. *ferrugineanum* RILEY, Trans. St. Louis Acad. Mo.
Sci., iv, 317, 1881.
5012. *monetiferanum* RILEY, Trans. St. Louis Acad. Ala.
Sci., iv, 317, 1881.
- *5013. *sericoranum* WALSINGHAM, Ill. Lep. Het. Brit. Pa.
Mus., iv, 36, 1879.
- *5014. *zellerianum* FERNALD, Trans. Am. Ent. Soc., x, Me.,
29, 1882. Mass.
- syn. *nitidanum* ZELLER (not CLEMENS), Verh.
zool.-bot. Ges. Wien, xxv, 270, 1875.
5015. *permundanum* CLEMENS, Proc. Acad. Nat. Sci. Atl.
Phil., 356, 1860; Proc. Ent. Soc. Phil., v, 134, States.
1865; ZELLER, Verh. zool.-bot. Ges. Wien, xxv,
273, 1875.
- syn. *meanderana* WALKER, Cat. Brit. Mus.,
xxviii, 341, 1863.
- *5016. *olivaceanum* FERNALD, Trans. Am. Ent. Soc., x, Mass.,
71, 1882. Pa.
5017. *concinnaum* CLEMENS, Proc. Ent. Soc. Phil., v, Va.
134, 1865.
- syn. *fedana* CLEMENS, Proc. Ent. Soc. Phil.,
v, 135, 1865.
- *5018. *versicoloranum* CLEMENS, Proc. Acad. Nat. Sci. Mass.,
Phil., 357, 1860. Pa.
- syn. *appendiceum* ZELLER, Verh. zool.-bot.
Ges. Wien, xxv, 275, 1875.
- *5019. *punctanum* WALSINGHAM, Ill. Lep. Het. Brit. Mass.
Mus., iv, 87, 1879. to Cal.
- syn. *versicolorana* CLEMENS (part), Proc. Ent.
Soc. Phil., v, 136, 1865.
- *5020. *atrodentanum* FERNALD, Trans. Am. Ent. Soc., Ohio, Ill.,
x, 71, 1882. Tex.
5021. *fasciatanum* CLEMENS, Proc. Acad. Nat. Sci. No. Atl.
Phil., 357, 1860; Proc. Ent. Soc. Phil., v, 134, States.
1865.
- syn. *decisana* WALKER, Cat. Brit. Mus., xxviii,
340, 1863; *albofasciatum* ZELLER, Verh.
zool.-bot. Ges. Wien, xxv, 272, 1875.

- *5022. *corylanum* FERNALD, Trans. Am. Ent. Soc., x, 71, 1882. Atl. States.
5023. *exoletum* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 270, 1875. Mass., N. Y.
5024. *inornatanum* CLEMENS, Proc. Acad. Nat. Sci. Phil., 357, 1860; Proc. Ent. Soc. Phil., 134, 1865. Atl. States.
syn. *clarana* WALKER, Cat. Brit. Mus., xxviii, 395, 1863; *quadripidum* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 268, 1875.
- *5025. *malanum* FERNALD, Trans. Am. Ent. Soc., x, 72, 1882. N. Y., Ill.
5026. *footianum* FERNALD, Bull. Buff. Soc., iv, 53, 1882. N. Y.
5027. *ferriferanum* WALKER, Cat. Brit. Mus., xxviii, 343, 1863; WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 37, 1879. Va.
syn. *gratiosana* CLEMENS, Proc. Ent. Soc. Phil., v, 134, 1865; *usticana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 293, 1875.

OLETHREUTES Hübner.

- HÜBNER, Tent., 2, 1806; *Penthina* TREITSCHKE, Schm. Eur., viii, 21, 1830; *Scricoris* TREITSCHKE, Schm. Eur., viii, 142, 1830.
- *5028. *intermistana* CLEMENS, Proc. Ent. Soc. Phil., v, 140, 1865. Lab.
syn. *tessellana* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 58, 1867.
- *5029. *septentrionana* CURTIS, App. Ross Second Voyage N.-W. Pass., 77, 1831. Arctic Am., Lab.
syn. *primariana* WALKER, Cat. Brit. Mus., xxviii, 336, 1863; *fulvifrontana* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 59, 1867.
- *5030. *frigidana* PACKARD, Bost. Soc. Nat. Hist., xi, 57, 1867. Lab., N. H.
5031. *nibatana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 346, 1860. No. Atl. States.
syn. *contrariana* WALKER, Cat. Brit. Mus., xxviii, 374, 1863.
5032. *consanguinana* WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 30, 1879. Cal.
5033. *capreana* HÜBNER, Eur. Schmett., Tort., f. 250, 1818; TREITSCHKE, Schm. Eur., viii, 27, 1830; HEINEMANN, Kleinschm., i, 1, 106, 1863. Eur., Lab.
syn. *capreana* WILKINSON, Brit. Tort., 23, 1859; *maestana* WOCKE, Stett. ent. Zeit., xxiii, 52, 1862.

5034. *dimidiata* SODOFFSKY, Bull. Mosc., 73, 1830; TREITSCHKE, Schm. Eur., x, 3, 46, 1835; HERRICH-SCHAEFFER, Schm. Eur., iv, 228, 1851; WILKINSON, Brit. Tort., 28, 1859; HEINEMANN, Kleinschm., i, 1, 109, 1863.
syn. *atropunctata* ZETTERSTEDT, Ins. Lap., 977, 1840; *ochromelana* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 152, 1845.
5035. *hartmanniana* LINNÆUS, Faun. Suec., 345, 1761; TREITSCHKE, Schm. Eur., viii, 91, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 201, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 227, 1851; WILKINSON, Brit. Tort., 19, 1859; HEINEMANN, Kleinschm., i, 1, 106, 1863.
syn. *lineana* SCHIFFERMÜLLER, Syst. Verz. Wien, 131, 1776; *scriptana* HÜBNER, Schm. Eur., Tort., f. 110, 1800; FRÖLICH, En. Tort. Würt., 57, 1828; STEPHENS, Ill. Brit. Ent., Haust., iv, 86, 1834.
a. albeolana ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 262, 1875.
- *5036. *griseoalbana* WALSINGHAM, Ill. Lep. Het., iv, 38, 1879. Atl. States.
- *5037. *conditana* WALSINGHAM, Ill. Lep. Het., iv, 31, 1879. Cal.
5038. *hebesana* WALKER, Cat. Brit. Mus., xxviii, 342, 1863; WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 31, 1879. No. U. S.
syn. *inexpertana* WALKER, Cat. Brit. Mus., xxviii, 394, 1863; *fullera* RILEY, Am. Ent., ii, 204, 371, 1870.
5039. *cyanana* MURTFELDT, Am. Ent., iii, 14, 1880. Pa. to Kans.
- *5040. *interruptolineana* FERNALD, Trans. Am. Ent. Soc., x, 70, 1882. Mass., N. H.
- *5041. *hemidesma* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 261, 1875. Me., Mass., Cal.
- *5042. *murina* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 60, 1867. Labrador.
5043. *osmundana* FERNALD, Can. Ent., xi, 156, 1879. Me., Mass., Pa.
5044. *malachitana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 292, 1875. Pa., Mo., Tex., So. Am.?
5045. *roseomaculana* HERRICH-SCHAEFFER, Schm. Eur., iv, 229, 1851. Eur., Labrador.
syn. *tenigiana* HEINEMANN, Kleinschm., i, 1, 111, 1863.

- *5046. *costimaculana* FERNALD, Trans. Am. Ent. Soc.,
x, 70, 1882. Me.,
Mass.
5047. *chionosema* ZELLER, Verh. zool.-bot. Ges. Wien,
xxv, 265, 1875. Atl.
States.
- *5048. *melanosticta* WALSINGHAM, Trans. Ent. Soc.
Lond., 500, 1895. Col.
5049. *duplex* WALSINGHAM, Trans. Ent. Soc. Lond.,
501, 1895. Col.
5050. *nubilana* CLEMENS, Proc. Ent. Soc. Phil., v, 140,
1865; PACKARD, Guide Stud. Ins., 333, 1869. Pa.,
Wis.
- *5051. *vetulana* WALSINGHAM, Ill. Lep. Het., iv, 32,
1879. Tex.,
Cal.
- *5052. *auricapitana* WALSINGHAM, Ill. Lep. Het., iv, 33,
1879. Pa.,
N. Y.
5053. *agilana* CLEMENS, Proc. Acad. Nat. Sci. Phil.,
359, 1860. Pa.
- *5054. *albiciliana* FERNALD, Trans. Am. Ent. Soc., x,
70, 1882. Me.
- *5055. *chalybeana* WALSINGHAM, Ill. Lep. Het., iv, 34,
1879. Oreg.,
Cal.
5056. *coruscana* CLEMENS, Proc. Acad. Nat. Sci. Phil.,
346, 1860. Me., N. Y.,
Pa.
syn. *ferrolineana* WALKER, Cat. Brit. Mus.,
xxviii, 395, 1863; *argyralana* ZELLER, Verh.
zool.-bot. Ges. Wien, xxv, 277, 1875.
5057. *constellatana* ZELLER, Verh. zool.-bot. Ges.
Wien, xxv, 279, 1875. Me. to
Wis.
- *5058. *major* WALSINGHAM, Trans. Ent. Soc. Lond.,
502, 1895. Col.
- *5059. *mengelana* FERNALD, Ent. News, v, 131, 1894. Greenl.
5060. *rivulana* SCOPOLI, Ent. Carn., 237, 1763; SCHIF-
FERMÜLLER, Syst. Verz. Wien, 131, 1776;
HEINEMANN, Kleinschm., i, 1, 123, 1863. Eur., Cal.,
Oreg.
syn. *rivellana* FABRICIUS, Syst. Ent., 654, 1775;
FRÖLICH, En. Tort. Würt., 62, 1828; *con-
chana* HÜBNER, Schm. Eur., Tort., f. 106,
1800; HAWORTH, Lep. Brit., 460, 1811;
TREITSCHKE, Schm. Eur., viii, 148, 1830;
DUPONCHEL, Hist. Nat. Lép. Fr., ix, 208,
1834; HERRICH-SCHAEFFER, Schm. Eur., iv,
213, 1851; WILKINSON, Brit. Tort., 266,
1859.

- *5061. *urticana* HÜBNER, Schm. Eur., Tort., f. 65, 1800; Eur.,
HAWORTH, Lep. Brit., 460, 1811; TREITSCHKE, Cal.
Schm. Eur., viii, 145, 1830; HERRICH-SCHAEFFER,
Schm. Eur., iv, 215, 1851; WILKINSON, Brit.
Tort., 267, 1859; HEINEMANN, Kleinschm., i, 1,
126, 1863.
- *5062. *astrologana* ZELLER, Verh. zool.-bot. Ges. Wien, Tex.
xxv, 281, 1875.
- *5063. *puncticostana* WALKER, Cat. Brit. Mus., xxviii, Nova Scotia,
339, 1863; WALSINGHAM, Ill. Lep. Het., iv, 33, Cal.
1879.
5064. *instrutana* CLEMENS, Proc. Ent. Soc. Phil., v, No. Atl.
135, 1865. States.
syn. *poana* ZELLER, Verh. zool.-bot. Ges.
Wien, xxv, 282, 1875.
5065. *turfosana* HERRICH-SCHAEFFER, Schm. Eur., iv, Eur., Lab.,
217, 1851; HEINEMANN, Kleinschm., i, 1, 114, Me.
1863.
- *5066. *campestrana* ZELLER, Verh. zool.-bot. Ges. Wien, Me.,
xxv, 282, 1875. Mass.
5067. *fuscalbana* ZELLER, Verh. zool.-bot. Ges. Wien, Me., Mass.,
xxv, 284, 1875. Ohio.
- *5068. *glaciana* MÖSCHLER, Wien. ent. Mon., iv, 380, Lab.,
1860. Ont.
- *5069. *dealbana* WALKER, Cat. Brit. Mus., xxviii, 374, Me.,
1863; WALSINGHAM, Ill. Lep. Het., iv, 34, 1879. Mo.
- *5070. *dilutifusca* WALSINGHAM, Ill. Lep. Het. Brit. Oreg.
Mus., iv, 33, 1879.
5071. *bipartitana* CLEMENS, Proc. Acad. Nat. Sci. Phil., No.
346, 1860; PACKARD, Guide Stud. Ins., 333, 1869. U. S.
syn. *caesi albana* ZELLER, Verh. zool.-bot. Ges.
Wien, xxv, 285, 1875.
- *5072. *similisana* WALKER, Cat. Brit. Mus., xxviii, 373, No. Atl.
1863. States.
- *5073. *impudens* WALSINGHAM, Trans. Ent. Soc. Lond., Mass.,
135, 1884. N. C.
- *5074. *inquietana* WALKER, Cat. Brit. Mus., xxviii, 378, Arctic
1863. Am.
5075. *niveiguttana* GROTE, Bull. Buff. Soc., i, 91, 1873. Mass., N. Y.,
Pa., Mo.

5076. *schulziana* FABRICIUS, Gen. Ins., 293, 1777; ZETTERSTEDT, Ins. Lap., 983, 1840; WILKINSON, Brit. Tort., 276, 1859; HEINEMANN, Kleinschm., i, 1, 120, 1863.

Eur.,
Arctic
Am.

syn. *pinetana* HÜBNER, Schm. Eur., Tort., f. 57, 1800; *ahrensiana* GEYER, Eur. Schm., Tort., ff. 337, 338, 1834; *bentleyana* DONOVAN, Nat. Hist. Brit. Ins., x, pl. 357, f. 1, 1801; *zinckenana* FRÖLICH, En. Tort. Würt., 71, 1828; TREITSCHKE, Schm. Eur., viii, 143, 1830; DUPONCHEL, Hist. Nat. Léop. Fr., ix, 225, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 210, 1851.

PHÆCASIOPHORA Grote.

GROTE, Bull. Buff. Soc., i, 90, 1873.

5077. *confixana* WALKER, Cat. Brit. Mus., xxviii, 340, 1863; WALSINGHAM, Ill. Lep. Het., iv, 36, 1879.

Atl. States.

syn. *perductana* WALKER, Cat. Brit. Mus., xxviii, 341, 1863; *mutabilana* CLEMENS, Proc. Ent. Soc. Phil., v, 135, 1865; GROTE, Bull. Buff. Soc., i, 90, 1873; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 276, 1875.

PSEUDOGALLERIA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., (6), iv, Bull. 1, 1885.

5078. *inimicella* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 559, 1872.

Atl. States.

EUCOSMA Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 28, 1823; *Pedisea* TREITSCHKE, Schmett. Eur., viii, 188, 1830; HEINEMANN, Kleinschm., i, 1, 142, 1863.

5079. *circulana* HÜBNER, Zutr. exot. Schmett., ii, ff. 363, 364, 1823.

So. Atl.
States.

syn. *scintillana* CLEMENS, Proc. Ent. Soc. Phil., v, 142, 1865; PACKARD, Guide Stud. Ins., 337, 1869; *dodecana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 311, 1875.

- *5080. *quinquemaculana* ROBINSON, Trans. Am. Ent. Soc., ii, 284, 1869.

So. Atl.
States.

syn. *robinsonana* GROTE, Can. Ent., iv, 101, 1872; *quintana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 304, 1875.

5081. *bolanderana* WALSINGHAM, Ill. Lep. Het., iv, 42, 1879.

Cal.

- *5082. *agassizii* ROBINSON, Trans. Am. Ent. Soc., ii, 284, 1869.

Tex.

5083. *ridingsana* ROBINSON, Trans. Am. Ent. Soc., ii, 285, 1869. Tex., Col.,
a. argentifurcatana GROTE, Can. Ent., viii, 206, 1876. Can.
b. hipeana GROTE, Can. Ent., viii, 207, 1876.
- *5084. *fernaldana* GROTE, No. Am. Ent., 98, 1880. Ky., Col.
5085. *crambitana* WALSINGHAM, Ill. Lep. Het., iv, 43, 1879. Cal.
5086. *monogrammana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 313, 1875. Tex.
- *5087. *larana* WALSINGHAM, Ill. Lep. Het., iv, 43, 1879. Cal.
- *5088. *luridana* WALSINGHAM, Ill. Lep. Het., iv, 44, 1879. Cal.
- *5089. *argentialbana* WALSINGHAM, Ill. Lep. Het., iv, 44, 1879. Tex.
5090. *albiguttana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 313, 1875. Tex.
- *5091. *atomosana* WALSINGHAM, Ill. Lep. Het., iv, 42, 1879. Cal.
- *5092. *agricolana* WALSINGHAM, Ill. Lep. Het., iv, 42, 1879. Cal., Oreg., Ariz.
- *5093. *basipunctana* WALSINGHAM, Ill. Lep. Het., iv, 40, 1879. Cal.
- *5094. *subplicana* WALSINGHAM, Ill. Lep. Het., iv, 41, 1879. Cal., Oreg.
- *5095. *primulana* WALSINGHAM, Ill. Lep. Het., iv, 45, 1879. Cal.
5096. *cataclystiana* WALKER, Cat. Brit. Mus., xxviii, 378, 1863; WALSINGHAM, Ill. Lep. Het., iv, 46, 1879. Me., Va., Tex., Cal.
syn. ochraceana CLEMENS, Proc. Ent. Soc. Phil., iii, 520, 1864; PACKARD, Guide, 337, 1869.
5097. *ochraceana* FERNALD, Jn. N. Y. Ent. Soc., ix, 51, 1901. Fla.
- *5098. *comatulana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 316, 1875. Tex.
- *5099. *occipitana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 315, 1875. Tex.
- *5100. *numerosana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 317, 1875. Tex.
5101. *giganteana* RILEY, Trans. St. Louis Acad. Sci., iv, 318, 1881. N. H., Ill., Iowa, Kans.

- *5102. *perdricana* WALSINGHAM, Ill. Lep. Het., iv, 49, 1879. Cal.
- *5103. *glomarana* WALSINGHAM, Ill. Lep. Het., iv, 49, 1879. Tex.
- *5104. *fulminana* WALSINGHAM, Ill. Lep. Het., iv, 50, 1879. Tex., Ill., Cal.
- *5105. *irroratana* WALSINGHAM, Ill. Lep. Het., iv, 48, 1879. Cal.
5106. *bipunctella* WALKER, Cat. Brit. Mus., xxvii, 202, 1863; WALSINGHAM, Ill. Lep. Het., iv, 47, 1879. Ill.
syn. *worthingtoniana* FERNALD, Can. Ent., x, 83, 1878.
- *5107. *grandiflavana* WALSINGHAM, Ill. Lep. Het., iv, 47, 1879. Cal.
- *5108. *subflavana* WALSINGHAM, Ill. Lep. Het., iv, 48, 1879. Oreg.
- *5109. *shastana* WALSINGHAM, Ill. Lep. Het., iv, 46, 1879. Cal.
- *5110. *biquadrana* WALSINGHAM, Ill. Lep. Het., iv, 45, 1879. Cal.
- *5111. *maculatana* WALSINGHAM, Ill. Lep. Het., iv, 48, 1879. Cal.
- *5112. *palpana* WALSINGHAM, Ill. Lep. Het., iv, 54, 1879. Cal.
- *5113. *radicana* WALSINGHAM, Ill. Lep. Het., iv, 53, 1879. Oreg.
- *5114. *passerana* WALSINGHAM, Ill. Lep. Het., iv, 49, 1879. Cal.
- *5115. *canana* WALSINGHAM, Ill. Lep. Het., iv, 50, 1879. Cal., Ariz.
5116. *lineana* FERNALD, Journ. N. Y. Ent. Soc., ix, 50, 1901. Fla.
- *5117. *culminana* WALSINGHAM, Ill. Lep. Het., iv, 38, 1879. Cal.
5118. *rectiplicana* WALSINGHAM, Ill. Lep. Het., iv, 40, 1879. Cal.
- *5119. *terracoctana* WALSINGHAM, Ill. Lep. Het., iv, 39, 1879. Cal.
- *5120. *albangulana* WALSINGHAM, Ill. Lep. Het., iv, 40, 1879. Cal.
5121. *juncticiliana* WALSINGHAM, Ill. Lep. Het., iv, 75, 1879. Me. to Cal.
- *5122. *pulveratana* WALSINGHAM, Ill. Lep. Het., iv, 45, 1879. Tex., Cal., Ariz.

- *5123. *nigralbana* WALSINGHAM, Ill. Lep. Het., iv, 41, 1879. Me., Cal.
5124. *abbreviatana* WALSINGHAM, Ill. Lep. Het., iv, 54, 1879. Mass., Pa., D. C.
- *5125. *constrictana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 305, 1875. Fla., Tex.
5126. *abruptana* WALSINGHAM, Ill. Lep. Het., iv, 53, 1879. Va., Tex.
5127. *solicitana* WALKER, Cat. Brit. Mus., xxviii, 387, 1863; WALSINGHAM, Ill. Lep. Het., iv, 55, 1879. No. Atl. States.
syn. *packardiana* CLEMENS, Proc. Ent. Soc. Phil., ii, 417, 1864; *tophrinana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 309, 1875.
- *5128. *transmissana* WALKER, Cat. Brit. Mus., xxviii, 375, 1863; WALSINGHAM, Ill. Lep. Het., iv, 52, 1879. No. Atl. States.
5129. *strenuana* WALKER, Cat. Brit. Mus., xxviii, 383, 1863; WALSINGHAM, Ill. Lep. Het., iv, 52, 1879. Atl. States.
syn. *exvagana* WALKER, Cat. Brit. Mus., xxviii, 383, 1863; *flavocellana* CLEMENS, Proc. Ent. Soc. Phil., v, 138, 1865; *subversana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 318, 1875.
5130. *perplexana* FERNALD, Jn. N. Y. Ent. Soc., ix, 51, 1901. Fla.
5131. *nisella* CLERCK, Icon., pl. 12, f. 6, 1759; LINNÆUS, Faun. Suec., 357, 1761; WILKINSON, Brit. Tort., 78, 1859; HEINEMANN, Kleinschm., i, 1, 158, 1863; MEYRICK, Handb. Brit. Lep., 493, 1895. Eur., Can.
- *5132. *hirsutana* WALSINGHAM, Ill. Lep. Het., iv, 50, 1879. Cal., Oreg.
- *5133. *improbana* WALKER, Cat. Brit. Mus., xxviii, 337, 1863; WALSINGHAM, Ill. Lep. Het., iv, 51, 1879. Hudson Bay.
syn. *difflinana* WALKER, Cat. Brit. Mus., xxviii, 378, 1863.
- *5134. *trigeminana* STEPHENS, Ill. Brit. Ent., Haust., iv, 94, 1834; WILKINSON, Brit. Tort., 94, 1859. Eur., Cal., Oreg.
syn. *argyran* STEPHENS, Ill. Brit. Ent., Haust., iv, 95, 1834; *pacilana* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 177, 1845; HERRICH-SCHAEFFER, Schm. Eur., iv, 241, 1851; HEINEMANN, Kleinschm., i, 1, 152, 1863.
- *5135. *vertumnana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 310, 1875. N. Y., Tex.

5136. *celtisana* RILEY, Trans. St. Louis Acad. Sci., iv, 319, 1881. Tex.
- *5137. *matutina* GROTE, Bull. Buff. Soc., i, 92, 1873. Tex.
5138. *illotana* WALSINGHAM, Ill. Lep. Het., iv, 39, 1879. Oreg.
5139. *scudderiana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 358, 1860. No. Atl. States.
- syn. *saligneana* CLEMENS, Proc. Ent. Soc. Phil., v, 141, 1865; PACKARD, Guide Stud. Ins., 337, 1869; RILEY, Rep. Ins. Mo., ii, 134, 1870; *affusana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 307, 1875.
5140. *desertana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 306, 1875. Tex., N. Y.
5140. 1. *obfuscana* RILEY, Proc. Ent. Soc. Wash., i, 33, 1888.^a Atl. States.
- *5141. *tripartitana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 308, 1875. Tex.
5142. *otiosana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 354, 1860. So. Atl. States.
- syn. *inclinana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 301, 1875.
5143. *similana* HÜBNER, Vög. & Schm., f. 71, 1792; Eur. Schm., Tort., f. 41, 1800; FRÖLICH, En. Tort. Würt., 47, 1828. Eur., Me., Mass.
- syn. *bimaculana* DONOVAN, Nat. Hist. Brit. Ins., xiii, pl. 459, 1808; HEINEMANN, Kleinschm., i, 1, 145, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 302, 1875; *dis-similana* TREITSCHKE, Schm. Eur., x, 3, 103, 1835; F. v. RÖSLERSTAMM, Ber. Sch., 170, 1839; HERRICH-SCHAEFFER, Schm. Eur., iv, 239, 1851; *corrana* EVERS-MANN, Faun. Volg. Ural., 507, 1844.
5144. *dorsisignatana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 353, 1860. Atl. States.
- syn. *similana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 353, 1860; *distigmata* WALKER, Cat. Brit. Mus., xviii, 384, 1863; *clarana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 303, 1875; *graduatana* WALSINGHAM, Ill. Lep. Het., iv, 54, 1879.
- *5145. *adamantana* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 303, 1845. N. J.

^aRiley's type specimen closely resembles *desertana* Zeller, but the dark marks are more diffuse, especially the patch near tornus, which is gray, showing no black scales.—HARRISON G. DYAR.

- *5146. *argenteana* WALSINGHAM, Trans. Ent. Soc. Lond., Col.
504, 1895.
- *5147. *aspidana* WALSINGHAM, Trans. Ent. Soc. Lond., Ariz.
140, 1884.
- *5148. *biplagata* WALSINGHAM, Trans. Ent. Soc. Lond., Col.
507, 1895.
- *5149. *caniceps* WALSINGHAM, Trans. Ent. Soc. Lond., Mont.
137, 1884.
- *5150. *carolinana* WALSINGHAM, Trans. Ent. Soc. Lond., N. C.
509, 1895.
- *5151. *castaneana* WALSINGHAM, Trans. Ent. Soc. Lond., Col.
511, 1895.
5152. *corosana* WALSINGHAM, Trans. Ent. Soc. Lond., Mont.
139, 1884.
- *5153. *dilatana* WALSINGHAM, Trans. Ent. Soc. Lond., Ariz.
510, 1895.
- *5154. *emaciatana* WALSINGHAM, Trans. Ent. Soc. Lond., Ariz.
137, 1884.
- *5155. *fuscosparsa* WALSINGHAM, Trans. Ent. Soc. Lond., Col.
507, 1895.
- *5156. *hyponomeutana* WALSINGHAM, Trans. Ent. Soc. Lond., Col.
502, 1895.
- *5157. *invicta* WALSINGHAM, Trans. Ent. Soc. Lond., Col.
509, 1895.
- *5158. *mediostriata* WALSINGHAM, Trans. Ent. Soc. Lond., Col.
508, 1895.
5159. *morrisoni* WALSINGHAM, Trans. Ent. Soc. Lond., Mont.
138, 1884.
- *5160. *ragonoti* WALSINGHAM, Trans. Ent. Soc. Lond., Col.
503, 1895.
- *5161. *serpentana* WALSINGHAM, Trans. Ent. Soc. Lond., Cal.
504, 1895.
- *5162. *smithiana* WALSINGHAM, Trans. Ent. Soc. Lond., Col.
506, 1895.

THIODIA Hübner. .

HÜBNER, Verz. bek. Schmett., 391, 1826; WALSINGHAM, Proc. Zool. Soc. Lond., 125, 1897; *Semasia* HERRICH-SCHAEFFER, Schm. Eur., iv, 244, 1851; HEINEMANN, Kleinschm., i, 1, 166, 1863.

5163. *radiatana* WALSINGHAM, Ill. Lep. Het., iv, 55, Nova Scotia,
1879. Me., N. Y.
5164. *olivaceana* RILEY, Trans. St. Louis Acad. Sci., Ill.
iv, 320, 1881.

5165. **formosana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 360, 1860; PACKARD, Guide Stud. Ins., 338, 1869. No. Atl. States.
syn. *sagittana* WALKER, Cat. Brit. Mus., xxviii, 386, 1863; *stercoreana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 290, 1875.
- *5166. **corculana** ZELLER, Verh. zool.-bot. Ges. Wien, xxiv, 11, 1874. Vancouver Island.
5167. **aspidiscana** HÜBNER, Eur. Schmett., Tort., f. 256, 1818; FRÖLICH, En. Tort. Würt., 96, 1828; TREITSCHKE, Schm. Eur., viii, 210, 1830; STEPHENS, Ill. Brit. Ent., Haust., iv, 120, 1834; DUPONCHEL, Hist. Nat. Léop. Fr., ix, 275, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 247, 1851; HEINEMANN, Kleinschm., i, 1, 120, 1863. Eur., Oreg.
syn. *dahlbomiana* ZETTERSTEDT, Ins. Lap., 897, 1840.
- *5168. **ferruginana** FERNALD, Trans. Am. Ent. Soc., x, 72, 1882. No. Atl. States.
5169. **succedana** SCHIFFERMÜLLER, Syst. Verz. Wien, 129, 1776; FRÖLICH, En. Tort. Würt., 95, 1828; TREITSCHKE, Schm. Eur., viii, 211, 1830; DUPONCHEL, Hist. Nat. Léop. Fr., ix, 302, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 252, 1851; HEINEMANN, Kleinschm., i, 1, 193, 1863. Eur., Oreg.
syn. *asseclana* HÜBNER, Schm. Eur., Tort., f. 194, 1800; *decorana* HAWORTH, Lep. Brit., 437, 1811; *ulicetana* HAWORTH, Lep. Brit., 458, 1811; *lanceolana* STEPHENS, Ill. Brit. Ent., Haust., iv, 121, 1834.
- a. gallicana* HERRICH-SCHAEFFER, Schm. Eur., iv, 252, 1851.
- b. conjunctana* MÖSCHLER, Berl. ent. Zeit., 140, 1866.
- *5170. **rössleri** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 291, 1875. Cal.
5171. **vestaliana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 286, 1875. Tex., Col., Mont.
- *5172. **elongana** WALSINGHAM, Ill. Lep. Het., iv, 56, 1879. Oreg.
- *5173. **tarandana** MÖSCHLER, Stett. ent. Zeit., xxiv, 165, 1874. Lab., Oreg.
- *5174. **artemisiana** WALSINGHAM, Ill. Lep. Het., iv, 56, 1879. Cal.
- *5175. **argenticostana** WALSINGHAM, Ill. Lep. Het., iv, 61, 1879. Ariz., Oreg.

- *5176. *spiculana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 289, 1875. Tex.
5177. *striatana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 349, 1860. Atl. States.
syn. *albicepsana* WALKER, Cat. Brit. Mus., xxviii, 379, 1863; *trivittana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 287, 1875.
5178. *tenuiana* WALSINGHAM, Ill. Lep. Het., iv, 59, 1879. Cal., Nev.
- *5179. *clavana* FERNALD, Trans. Am. Ent. Soc., x, 72, 1882. Mass.
- *5180. *pallidicostana* WALSINGHAM, Ill. Lep. Het., iv, 62, 1879. Cal.
- *5181. *griseocapitana* WALSINGHAM, Ill. Lep. Het., iv, 61, 1879. Cal.
- *5182. *taleana* GROTE, Can. Ent., x, 54, 1878. Ill.
- *5183. *perangustana* WALSINGHAM, Ill. Lep. Het., iv, 58, 1879. Cal.
5184. *amphorana* WALSINGHAM, Ill. Lep. Het., iv, 63, 1879. Oreg., Col.
- *5185. *decempunctana* WALSINGHAM, Ill. Lep. Het., iv, 58, 1879. Oreg.
5186. *helianthana* RILEY, Trans. St. Louis Acad. Sci., iv, 319, 1881. Md., Tex.
- *5187. *columbiana* WALSINGHAM, Ill. Lep. Het., iv, 57, 1879. Oreg.
5188. *scalana* WALSINGHAM, Ill. Lep. Het., iv, 57, 1879. Cal., Oreg.
- *5189. *signatana* CLEMENS, Proc. Ent. Soc. Phil., iii, 514, 1864. Atl. States.
syn. *variana* CLEMENS, Proc. Ent. Soc. Phil., iii, 520, 1864; *aceriella* CLEMENS, Tin., No. Am. 178, 1872; *subnisana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 294, 1875.
5190. *lapidana* WALSINGHAM, Ill. Lep. Het., iv, 58, 1879. Oreg.
- *5191. *sublapidana* WALSINGHAM, Ill. Lep. Het., iv, 59, 1879. Oreg.
- *5192. *parvana* WALSINGHAM, Ill. Lep. Het., iv, 60, 1879. Oreg.
- *5193. *stramineana* WALSINGHAM, Ill. Lep. Het., iv, 60, 1879. Col.
- *5194. *minimana* WALSINGHAM, Ill. Lep. Het., iv, 60, 1879. Cal.

5195. *infusana* WALSINGHAM, Ill. Lep. Het., iv, 62, 1879. Cal.
- *5196. *refusana* WALKER, Cat. Brit. Mus., xxviii, 382, 1863; WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 63, 1879. Can.
- *5197. *perstructana* WALKER, Cat. Brit. Mus., xxviii, 343, 1863; WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 64, 1879. Hudson Bay.
- *5198. *offectalis* HULST, Trans. Am. Ent. Soc., xiii, 166, 1886. Col., N. Mex., Cal.
syn. *bucephaloides* WALSINGHAM, Ins. Life, iii, 465, 1891.
5199. *apacheana* WALSINGHAM, Trans. Ent. Soc. Lond., 149, 1884. Ariz.
- *5200. *montanana* WALSINGHAM, Trans. Ent. Soc. Lond., 143, 1884. Mont.
- *5201. *obliterana* WALSINGHAM, Trans. Ent. Soc. Lond., 513, 1895. Ariz., Col.
5202. *ochreicostana* WALSINGHAM, Trans. Ent. Soc. Lond., 141, 1884. Mont.
- *5203. *ochrocephala* WALSINGHAM, Trans. Ent. Soc. Lond., 513, 1895. Col.
- *5204. *octopunctana* WALSINGHAM, Trans. Ent. Soc. Lond., 512, 1895. Col.
- *5205. *transversa* WALSINGHAM, Trans. Ent. Soc. Lond., 514, 1895. Col.

EPISIMUS Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 501, 1891; 122, 1897.

5206. *augmentanus* ZELLER, Hor. Soc. Ent. Ross., xiii, 158, 1877; WALSINGHAM, Proc. Zool. Soc. Lond., 502, 1891; 123, 1897; DYAR, Proc. Ent. Soc. Wash., iv., 468, 1901. Fla., W. I.
5207. *argutanus* CLEMENS, Proc. Acad. Nat. Sci. Phil., 358, 1860; DYAR, Proc. Ent. Soc. Wash., iv, 469, 1901. Can. to Fla., Tex., W. I.
syn. *allutana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 295, 1875.

EXENTERA Grote.

GROTE, Can. Ent., ix, 227, 1877.

5208. *apriliانا* GROTE, Can. Ent., ix, 227, 1877. N. Y., Pa., Col.

HYSTRICOPHORA Walsingham.

WALSINGHAM, Ill. Lep. Het., iv, 64, 1879.

- *5209. *leonana* WALSINGHAM, Ill. Lep. Het. Brit. Mus., Cal.
iv, 65, 1879.
a. aurantiana WALSINGHAM, Ill. Lep. Het., iv,
65, 1879.

PROTEOPTERYX Walsingham.

WALSINGHAM, Ill. Lep. Het., iv, 68, 1879.

5210. *emarginana* WALSINGHAM, Ill. Lep. Het. Brit. Cal.,
Mus., iv, 68, 1879. Ariz.
- *5211. *oregonana* WALSINGHAM, Ill. Lep. Het. Brit. Oreg.
Mus., iv, 62, 1879.
5212. *cressoniana* CLEMENS, Proc. Ent. Soc. Phil., iii, N. Y.,
514, 1864. Va.
5213. *deludana* CLEMENS, Proc. Ent. Soc. Phil., iii, So. Atl.
513, 1864. States.
5214. *spoliana* CLEMENS, Proc. Ent. Soc. Phil., iii, So. Atl.
513, 1864. States.
- *5215. *resuptana* WALKER, Cat. Brit. Mus., xxviii, 376, Nova Scotia,
1863; WALSINGHAM, Ill. Lep. Het., iv, 44, 1879. Pa.
- *5216. *virginiana* CLEMENS, Proc. Ent. Soc. Phil., iii, Va.
512, 1864.
5217. *costomaculana* CLEMENS, Proc. Acad. Nat. Sci. Me., Pa.
Phil., 349, 1860.
syn. *bipustulana* WALKER, Cat. Brit. Mus.,
xxviii, 316, 1863.
- *5218. *pulchellana* CLEMENS, Proc. Ent. Soc. Phil., iii, Va.
511, 1864.

PROTEOTERAS Riley.

RILEY, Trans. St. Louis Acad. Sci., iv, 321, 1881.

5219. *æsculanum* RILEY, Trans. St. Louis Acad. Sci., N. Y., Mo.,
iv, 321, 1881. Tex.

EPINOTIA Hübner.

HÜBNER, Verz. bek. Schmett., 377, 1826.

5220. *incarnana* HAWORTH, Lep. Brit., 435, 1811; STE- Eur.,
PHIENS, Ill. Brit. Ent., Haust., iv, 120, 1834. Cal.
syn. *dealbana* FRÖLICH, En. Tort. Würt., 51,
1828; HERRICH-SCHAEFFER, Schm. Eur., iv,
232, 1851; WILKINSON, Brit. Tort., 120,
1859; HEINEMANN, Kleinschn., i, 1, 207,
1863; *minorana* TREITSCHKE, Schm. Eur.,
viii, 48, 1830; DUPONCHEL, Hist. Nat. Lép.
Fr., ix, 573, 1834.

- *5221. *fasciolana* CLEMENS, Proc. Ent. Soc. Phil., iii, 511, 1864. Me., Mass., N. Y., Pa.
syn. *blakeana* GROTE, Bull. Buff. Soc., i, 91, 1873.
5222. *lagopana* WALSINGHAM, Ill. Lep. Het., iv, 71, 1879. Cal., Ariz., Mont.
- *5223. *liturana* WALSINGHAM, Ill. Lep. Het., iv, 71, 1879. Cal.
- *5224. *purpuriciliana* WALSINGHAM, Ill. Lep. Het., iv, 72, 1879. Cal.
5225. *salicicolana* CLEMENS, Proc. Ent. Soc. Phil., iii, 514, 1864. Ill.
5226. *saliciana* CLEMENS, Proc. Ent. Soc. Phil., iii, 515, 1864. Ill.
5227. *crispiana* CLEMENS, Proc. Ent. Soc. Phil., v, 137, 1865. No. Atl. States.
5228. *augustana* HÜBNER, Schm. Eur., Tort., f. 205, 1818; TREITSCHKE, Schm. Eur., viii, 221, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 486, 1834; ZELLER, Isis, 247, 1846; HERRICH-SCHAEFFER, Schm. Eur., iv, 272, 1851; HEINEMANN, Kleinschm., i, 1, 219, 1863. Eur., Hudson Bay, Cal.
syn. *cruciana* ZETTERSTEDT, Ins. Lap., 981, 1840; *pullana* EVERS-MANN, Faun. Volg. Ural., 512, 1844; *direptana* WALKER, Cat. Brit. Mus., xxviii, 338, 1863; *vilisana* WALKER, Cat. Brit. Mus., xxviii, 338, 1863.
5229. *pinicolana* ZELLER, Isis, 242, 1846; HERRICH-SCHAEFFER, Schm. Eur., iv, 207, 1851; HEINEMANN, Kleinschm., i, 1, 210, 1863. Eur., N. Y., Wis.
syn. *occultana* WILKINSON, Brit. Tort., 223, 1859.
- *5230. *biangulana* WALSINGHAM, Ill. Lep. Het., iv, 71, 1879. Oreg.
- *5231. *nebulosana* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 61, 1866. Lab.
5232. *claypoleana* RILEY, Psyche, iii, 364, 1882; Am. Nat., xvi, 913, 1882; Pap., iii, 191, 1883; PACKARD, Rept. U. S. Ent. Com., v, 654, 1890; LINTNER, Rept. N. Y. St. Ent., xii, 214, 1897. N. Y., Pa., Ohio.
syn. *instrutana* CLAYPOLE (not CLEMENS), Proc. Am. Assoc. Adv. Sci., 269, 1882; RILEY, Am. Nat., xv, 1009, 1881.
5233. *ratzeburgiana* SAXESEN, Forst-Ins., ii, 227, 1840; FERNALD, Rept. Dept. Agr., 378, 1884; PACKARD, Rept. U. S. Ent. Com., v, 845, 1890. Me., Eur.

- *5234. *pyricolana* MURTFELDT, Bull. no. 23, U. S. Dept. Agr., 52, 1891. Mo.
5235. *lindana* FERNALD, Can. Ent., xxiv, 178, 1892. Can., Mass.
- *5236. *medioplagata* WALSINGHAM, Trans. Ent. Soc. Lond., 516, 1895. Col.

TMETOCERA Lederer.

LEDERER, Wien. ent. Mon., iii, 367, 1859; HEINEMANN, Kleinschm., i, 1, 206, 1863; MEYRICK, Handb. Brit. Lep., 476, 1895.

5237. *ocellana* SCHIFFERMÜLLER, Syst. Verz. Wien, 130, 1776; FABRICIUS, Mant. Ins., ii, 228, 1787; TREITSCHKE, Schm. Eur., viii, 40, 1830; HERICH-SCHAEFFER, Schm. Eur., iv, 233, 1851; WILKINSON, Brit. Tort., 118, 1859; LEDERER, Wien. ent. Mon., iii, 368, 1859; HEINEMANN, Kleinschm., i, 1, 206, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 267, 1875. No. U. S., Eur.
- syn. *luscana* FABRICIUS, Ent. Syst., 255, 1793; FRÖLICH, En. Tort. Würt., 50, 1828; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 203, 1834; *comitana* HÜBNER, Schm. Eur., Tort., f. 16, 1800; *pyrifoliana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 357, 1860; *oculana* HARRIS, Inj. Ins., 482, 1862; SAUNDERS, Can. Ent., iii, 13, 1871.

EUDEMIS Hübner.

HÜBNER, Verz. bek. Schmett., 382, 1826; MEYRICK, Handb. Brit. Lep., 476, 1895.

5238. *vacciniana* PACKARD, Guide Stud. Ins., 338, 1869; GLOVER, Rept. U. S. Dept. Agr., 85, 1870; SMITH, Bull. no. 4, U. S. Dept. Agr., 10, 1884; SAUNDERS, Inj. Ins., 369, 1889. No. U. S., Cal.
- syn. ?*luctiferana* WALKER, Cat. Brit. Mus., xxviii, 342, 1863.

ANCYLIS Hübner.

HÜBNER, Verz. bek. Schmett., 376, 1826; MEYRICK, Handb. Brit. Lep., 477, 1895; *Phoropteris* TREITSCHKE, Schm. Eur., vii, 232, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 22, 1834.

5239. *mediofasciana* CLEMENS, Proc. Ent. Soc. Phil., iii, 511, 1864; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 248, 1875. Me., Mass., N. Y.
5240. *nubeculana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 349, 1860; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 249, 1875; RILEY, Rept. U. S. Dept. Agr., 239, 1878. No. Atl. States.
- *5241. *subæquana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 254, 1875. Me., Mass.

- *5242. *discigerana* WALKER, Cat. Brit. Mus., xxviii, 384, 1863. No. Atl. States.
5243. *semiovana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 250, 1875. Me., N. Y.
5244. *murtfeldtiana* RILEY, Trans. St. Louis Acad. Sci., iv, 323, 1881. Mo.
5245. *lundana* FABRICIUS, Gen. Ins., 294, 1777; DONOVAN, Nat. Hist. Brit. Ins., xi, pl. 374, f. 1, 1804; HAWORTH, Lep. Brit., 452, 1811; FRÖLICH, En. Tort. Würt., 99, 1828; WILKINSON, Brit. Tort., 138, 1859. Eur., Oreg.
- syn. *badiana* SCHIFFERMÜLLER, Syst. Verz. Wien, 126, 1776; TREITSCHKE, Schm. Eur., viii, 243, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 343, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 285, 1851; HEINEMANN, Kleinschm., i, 1, 225, 1863; *corylana* HÜBNER, Vög. & Schm., f. 63, 1792; Schm. Eur., Tort., f. 53, 1800.
- *5246. *spiræifolia* CLEMENS, Proc. Acad. Nat. Sci. Phil., 348, 1860. Pa.
- syn. *metamelana* WALKER, Cat. Brit. Mus., xxviii, 385, 1863; *discoferana* WALKER, Cat. Brit. Mus., xxviii, 386, 1863.
5247. *laciniana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 253, 1875. Mass.
5248. *burgessiana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 252, 1875. Me., Mass.
- *5249. *dubiana* CLEMENS, Proc. Ent. Soc. Phil., iii, 512, 1864. Va.
- *5250. *floridana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 258, 1875. Ohio.
- *5251. *amblygona* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 259, 1875. D. C.
5252. *comptana* FRÖLICH, En. Tort. Würt., 99, 1828; DUPONCHEL, Lép. Fr., suppl., 187, 1844; HERRICH-SCHAEFFER, Schm. Eur., iv, 286, 1851; WILKINSON, Brit. Tort., 141, 1859; HEINEMANN, Kleinschm., i, 1, 225, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 257, 1875. Can., Ill., Mo.
- syn. *complexana* WALKER, Cat. Brit. Mus., xxviii, 384, 1863; *fragariæ* WALSH & RILEY, Am. Ent., i, 89, 1869; RILEY, Rep. Ins. Mo., i, 142, 1869; PACKARD, Guide Stud. Ins., 340, 1869.
- *5253. *angulifasciana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 256, 1875. Me., Mass., Ohio.

5254. *platanana* CLEMENS, Proc. Acad. Nat. Sci. Phil., Pa., Mo.,
349, 1860. Tex.
- syn. *marcidana* ZELLER, Verh. zool.-bot. Ges.
Wien, xxv, 260, 1875.
5255. *divisana* WALKER, Cat. Brit. Mus., xxviii, 385. Nova Scotia,
1863; WALSHINGHAM, Ill. Lep. Het., iv, 74, 1879. Mass.
5256. *apicana* WALKER, Cat. Brit. Mus., xxxv, 1795, Nova Scotia,
1866; WALSHINGHAM, Ill. Lep. Het., iv, 73, 1879. Mass., Oreg.
5257. *cornifolia* RILEY, Trans. St. Louis Acad. Sci., Mass., Pa.,
iv, 324, 1881. Kans.
- *5258. *muricana* WALSHINGHAM, Ill. Lep. Het., iv, 74, D. C.
1879.
5259. *uncana* HÜBNER, Schmett. Eur., Tort., f. 76, 1800; Eur.,
HAWORTH, Lep. Brit., 451, 1811; FRÖLICH, En. N. H.
Tort. Würt., 101, 1828; TREITSCHKE, Schm. Eur.,
viii, 237, 1830; DUPONCHEL, Hist. Nat. Léop. Fr.,
ix, 335, 1834; HERRICH-SCHAEFFER, Schm. Eur.,
iv, 286, 1851; WILKINSON, Brit. Tort., 137, 1859.
- syn. *geminana* DONOVAN, Nat. Hist. Brit. Ins.,
xi, 29, 1804; *uncella* HEINEMANN, Klein-
schm., i, 1, 224, 1863.
5260. *biarcuana* STEPHENS, Cat., ii, 178, 1829; WIL- Eur.,
KINSON, Brit. Tort., 136, 1859; HEINEMANN, Cal.
Kleinschm., i, 1, 223, 1863.
- syn. *cuspidana* STEPHENS, Ill. Brit. Ent.,
Haust., iv, 113, 1834; *crenata* DUPONCHEL,
Hist. Nat. Léop. Fr., ix, 334, 518, 1834; *fluc-
tiferana* HERRICH-SCHAEFFER, Schm. Eur.,
iv, 286, 1851.
- *5261. *goodelliana* FERNALD, Trans. Am. Ent. Soc., x, N. Eng.
69, 1882.
- *5262. *plagosana* CLEMENS, Proc. Ent. Soc. Phil., ii, Lab.
417, 1864.
5263. *pacificana* WALSHINGHAM, Ill. Lep. Het., iv, 73, Cal.,
1879. Oreg.
- *5264. *cometana* WALSHINGHAM, Ill. Lep. Het., iv, 74, Cal.
1879.
- *5265. *loricana* GROTE, Can. Ent., xii, 218, 1880. Ohio.
- *5266. *tineana* HÜBNER, Schm. Eur., Tort., f. 81, 1800; Eur.,
HERRICH-SCHAEFFER, Schm. Eur., iv, 284, 1851; Lab.,
HEINEMANN, Kleinschm., i, 1, 223, 1863. Me., Mass.
- syn. *ocellana* CLEMENS, Proc. Ent. Soc. Phil.,
iii, 510, 1864; *leucophaleratana* PACKARD,
Proc. Bost. Soc. Nat. Hist., xi, 56, 1866.
5267. *kincaidiana* FERNALD, Proc. Wash. Acad. Sci., ii, Alaska.
500, 1900.

ENARMONIA Hübner.

- HÜBNER, Verz. bek. Schmett., 375, 1826; MEYRICK, Handb. Brit. Lep., 472, 1895; *Grapholita* TREITSCHKE, Schm. Eur., vii, 232, 1829; *Grapholita* HERRICH-SCHAEFFER, Schm. Eur., iv, 253, 1851; LEDERER, Wien. ent. Mon., iii, 330, 1859; HEINEMANN, Kleinschm., i, 1, 177, 1863.
5268. *caryana* FITCH, N. Y. Agr. Rept., xvi, 459, 1856. Atl. States.
syn. *caryce* SHIMER, Trans. Am. Ent. Soc., ii,
394, 1869.
5269. *prunivora* WALSH, Rept. Ent. Ill., i, 80, 1868. Ill., Mo.,
Minn.
5270. *interstinctana* CLEMENS, Proc. Acad. Nat. Sci.
Phil., 351, 1860; ZELLER, Verh. zool.-bot. Ges.
Wien, xxv, 296, 1875. Atl.
States.
syn. *scitana* WALKER, Cat. Brit. Mus., xxviii,
413, 1863; *distema* GROTE, Bull. Buff. Soc.,
i, 92, 1873.
5271. *bracteata* FERNALD, Rept. U. S. Dept. Agr., Cal.
1880, 265, 1881.
- *5272. *conversana* WALSINGHAM, Ill. Lep. Het., iv, 66, Oreg.
1879.
5273. *albimaculana* FERNALD, Can. Ent., xi, 157, 1879. Me.
5274. *lunatana* WALSINGHAM, Ill. Lep. Het., iv, 66, 1879. Oreg
- *5275. *tristrigana* CLEMENS, Proc. Ent. Soc. Phil., v, Mass.,
133, 1865. Va.
5276. *americana* WALSINGHAM, Ill. Lep. Het., iv, 67, Cal.
1879.
- *5277. *cæruleana* WALSINGHAM, Ill. Lep. Het., iv, 66, Oreg.
1879.
- *5278. *vitranæ* WALSINGHAM, Ill. Lep. Het., iv, 65, 1879. Oreg.
- *5279. *lautana* CLEMENS, Proc. Ent. Soc. Phil., v, 139, Va.,
1865 (as *tautana*, typ. err.). Tex.
syn. *perfluana* ZELLER, Verh. zool.-bot. Ges.
Wien, xxv, 299, 1875.
5280. *gallæsaliciana* RILEY, Trans. St. Louis Acad. N. Y., Mo.,
Sci., iv, 320, 1881. Tex.
- *5281. *trossulana* WALSINGHAM, Ill. Lep. Het., iv, 67, Cal.
1879.
- *5282. *packardi* ZELLER, Verh. zool.-bot. Ges. Wien, Tex.
xxv, 300, 1875.

- *5283. *parmatana* CLEMENS, Proc. Acad. Nat. Sci. Phil., Pa.
352, 1860.
- *5284. *duodecemstriata* WALSINGHAM, Trans. Ent. Soc. Ariz.
Lond., 146, 1884.
- *5285. *sebastianiæ* RILEY, Proc. Ent. Soc. Wash., ii, 214, N. Mex.
1892.
- *5286. *larimana* WALSINGHAM, Trans. Ent. Soc. Lond., Cal.
518, 1895.

ECDYTOLOPHA Zeller.

ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 266, 1875.

5287. *insiticihana* ZELLER, Verh. zool.-bot. Ges. Wien, Mass. to
xxv, 266, 1875. Col.

HEMIMENE Hübner.

HÜBNER, Verz. bek. Schmett., 378, 1826; MEYRICK, Handb. Brit. Lep., 499, 1895;
Dichrorampha GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 185, 1845; LEDERER, Wien. ent.
Mon., iii, 369, 1859; HEINEMANN, Kleinschm., i, 1, 229, 1863.

- *5288. *incanana* CLEMENS, Proc. Acad. Nat. Sci. Phil., Pa.
351, 1860.
- *5289. *simulana* CLEMENS, Proc. Acad. Nat. Sci. Phil., So. Atl.
351, 1860; PACKARD, Guide Stud. Ins., 337, 1869. States.
syn. *aurisignana* ZELLER, Verh. zool.-bot. Ges.
Wien, xxv, 319, 1875.
5290. *alpinana* TREITSCHKE, Schm. Eur., viii, 230, 1830; Eur.,
DUPONCHEL, Hist. Nat. Lép. Fr., ix, 322, 1834; Oreg.
HERRICH-SCHAEFFER, Schm. Eur., iv, 271, 1851;
WILKINSON, Brit. Tort., 105, 1859; HEINEMANN,
Kleinschm., i, 1, 230, 1863.
syn. *politana* GUENÉE, Ann. Soc. Ent. Fr., (2),
iii, 185, 1845; WILKINSON, Brit. Tort., 104,
1859.
5291. *plumbana* SCOPOLI, Ent. Carn., no. 592, 1763; Eur.,
HEINEMANN, Kleinschm., i, 1, 239, 1863. Cal.
syn. *petiverella* SCHIFFERMÜLLER, Syst. Verz.
Wien, 136, 1776; *zachana* TREITSCHKE,
Schm. Eur., viii, 217, 1830; DUPONCHEL,
Hist. Nat. Lép. Fr., ix, 282, 1834; *ulicana*
GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 185, 1845;
WILKINSON, Brit. Tort., 228, 1859; *blepha-*
rana HERRICH-SCHAEFFER, Schm. Eur., iv,
254, 1851.
5292. *radicolana* WALSINGHAM, Ill. Lep. Het., iv, 75, Oreg.
1879.

LIPOPTYCHA Lederer.

LEDERER, Wien. ent. Mon., iii, 370, 1859; MEYRICK, Handb. Brit. Lep., 503, 1895.

5293. *maculana* FERNALD, Jr. N. Y. Ent. Soc., ix, 51, Fla.
1901.

PAMMENE Hübner.

HÜBNER, Verz. bek. Schmett., 378, 1826; MEYRICK, Handb. Brit. Lep., 505, 1895
Phthoroblastis LEDERER, Wien. ent. Mon., iii, 370, 1859.

*5294. *texanana* WALSINGHAM, Ill. Lep. Het., iv, 70, 1879. Tex.

MELISSOPUS Riley.

RILEY, Trans. St. Louis Acad. Sci., iv, 322, 1881.

5295. *latiferreanus* WALSINGHAM, Ill. Lep. Het., iv, 70, Me. to
1879; RILEY, Trans. St. Louis Acad. Sci., iv, Cal.
322, 1881.

CYDIA Hübner.

HÜBNER, Verz. bek. Schmett., 375, 1826; WALSINGHAM, Proc. Zool. Soc. Lond., 130,
1897; *Carpocapsa* TREITSCHKE, Schm. Eur., vii, 231, 1829; LEDERER, Wien. ent.
Mon., iii, 368, 1859; HEINEMANN, Kleinschm., i, 1, 193, 1863.

5296. *pomonella* LINNÆUS, Syst. Nat., x, 538, 1758; U. S.,
STEPHENS, Ill. Brit. Ent., Haust., iv, 119, 1834; Eur.
WILKINSON, Brit. Tort., 236, 1859; HARRIS, Inj.
Ins., 484, 1862; HEINEMANN, Kleinschm., i, 1,
194, 1863.

syn. *pomonana* SCHIFFERMÜLLER, Syst. Verz.
Wien, 126, 1776; HÜBNER, Schm. Eur., Tort.,
f. 30, 1800; HAWORTH, Lep. Brit., 457,
1811; FRÖLICH, En. Tor. Würt., 78, 1828;
TREITSCHKE, Schm. Eur., viii, 161, 1830;
DUPONCHEL, Hist. Nat. Léop. Fr., ix, 248,
1834; HERRICH-SCHAEFFER, Schm. Eur., iv,
251, 1851; *pomana* FABRICIUS, Ent. Syst., iii,
279, 1793.

5297. *saltitans* WESTWOOD, Proc. Ashmol. Soc., iii, Mex.
137, 1857.

syn. *deshaisiana* LUCAS, Ann. Soc. Ent. Fr.,
pl. 16, 1858.

*5298. *toreuta* GROTE, Bull. Buff. Soc., i, 92, 1873. Pa., Va.,

5298. 1. *ninana* RILEY, Sm. List Lep. Bor. Am., no. Ariz.
5025, 1891.^a

^aIn Riley's types the fore wings are leaden gray with a pale carneous ray in cell and a narrower bent one on submedian fold. Transverse posterior line black and shining plumbeous, from middle of costa bent at middle almost at right angles ending above tornus. Space beyond bright rose pink, costal edge carneous white with several bent brown-black bars, fringe shining plumbeous. Hind wings blackish, fringe pale.—HARRISON G. DYAR.

Subfamily TORTRICINÆ.

ALCERIS Hübner.

- HÜBNER, Verz. bek. Schmett., 384, 1826; *Texas* TREITSCHKE, Schm. Eur., vii, 233, 1829; LEDERER, Wien. ent. Mon., iii, 149, 1859; HEINEMANN, Kleinschm., i, 1, 10, 1863.
5299. *effractana* FRÖLICH, En. Tort. Würt., 27, 1828; Eur.,
TREITSCHKE, Schm. Eur., viii, 249, 1830; F. v. Vanc. Id.
RÖSLERSTAMM, Ber. Sch., 144, 1839; HERRICH-
SCHAEFFER, Schm. Eur., iv, 154, 1849; HEINE-
MANN, Kleinschm., i, 1, 12, 1863.
- syn. *scabrana* FABRICIUS (not SCHIFFERMÜL-
LER), Sp. Ins., no. 54, 1781; *caudana*
HAWORTH (not FABRICIUS), Lep. Brit., no.
46, 1811; HÜBNER, Schm. Eur., Tort., f. 232,
1818; *indecorana* ZETTERSTEDT, Ins. Lap.,
989, 1840.
- *5300. *peculiana* ZELLER, Verh. zool.-bot. Ges. Wien, Tex.
xxv, 210, 1875.
- *5301. *subnivana* WALKER, Cat. Brit. Mus., xxviii, 376. Atl.
1863; WALSHINGHAM, Ill. Lep. Het., iv, 1, 1879. States.
syn. *deflectana* ROBINSON, Trans. Am. Ent.
Soc., ii, 283, 1869; ZELLER, Verh. zool.-bot.
Ges. Wien, xxv, 211, 1875.
5302. *tresignana* ROBINSON, Trans. Am. Ent. Soc., ii, N. Y.,
282, 1869. Va.
5303. *boscana* FABRICIUS, Ent. Syst., iii, 2, 269, 1794; No.
DUPONCHEL, Hist. Nat. Lép. Fr., ix, 131, 1834; Atl. States,
HERRICH-SCHAEFFER, Schm. Eur., iv, 147, 1849; Eur.
WILKINSON, Brit. Tort., 163, 1859; HEINEMANN,
Kleinschm., i, 1, 20, 1863; MEYRICK, Handb.
Brit. Lep., 523, 1895.
- syn. *cerusana* HÜBNER, Schm. Eur., Tort., f.
63, 1800; TREITSCHKE, Schm. Eur., viii, 182,
1830.
- a. parisiana* GUENÉE, Ann. Soc. Ent. Fr., (2), iii,
145, 1845; HERRICH-SCHAEFFER, Schm. Eur.,
iv, 147, 1849; *placidana* ROBINSON, Trans.
Am. Ent. Soc., ii, 282, 1869.
5304. *niveana* FABRICIUS, Mant. Ins., ii, 233, 1787; Eur.,
FRÖLICH, En. Tort. Würt., 19, 1828; HEINE- Can.
MANN, Kleinschm., i, 1, 22, 1863.
- syn. *treveriana* HÜBNER, Schm. Eur., Tort.,
f. 100, 1800; TREITSCHKE, Schm. Eur., viii,
93, 1830; FISCHER v. RÖSLERSTAMM, Ber.
Sch., 43, 1838; *treveriana* DUPONCHEL, Hist.
Nat. Lép. Fr., ix, 135, 1834; HERRICH-
SCHAEFFER, Schm. Eur., iv, 151, 1849;
cerusana DUPONCHEL, Hist. Nat. Lép. Fr.,
ix, 532, 1834.

- *5305. *nigrolinea* ROBINSON, Trans. Am. Ent. Soc., ii, 281, 1869. Can., Me.,
Vanc. Id.
syn. *senescens* ZELLER, Verh. zool.-bot. Ges.
Wien, xxiv, 9, 1874.
- *5306. *ferruginiguttana* FERNALD, Trans. Am. Ent. Soc., Col.
x, 65, 1882.
- *5307. *brewsteriana* ROBINSON, Trans. Am. Ent. Soc., Me.,
ii, 283, 1869. N. Y.
- *5308. *celiana* ROBINSON, Trans. Am. Ent. Soc., ii, 283, Mass.,
1869. N. Y.
5309. *hastiana* LINNÆUS, Syst. Nat., x, 532, 1758; Eur.,
Faun. Suec., no. 1328, 1761; FABRICIUS, Syst. Atl. States.
Ent., 650, 1775; FRÖLICH, En. Tort. Würt., 23, 1828; WILKINSON, Brit. Tort., 171, 1859; HEINEMANN, Kleinschm., i, 1, 14, 1863.
syn. *logiana* FABRICIUS, Syst. Ent., 651, 1775;
scabrana SCHIFFERMÜLLER, Syst. Verz.
Wien, 130, 1776; TREITSCHKE, Schm. Eur.,
viii, 255, 1830; *levana* FABRICIUS, Ent.
Syst., 269, 1793.
- a. divisana* HÜBNER, Eur. Schmett., Tort., f. 198, 1800; ROBINSON, Trans. Am. Ent. Soc., ii, 280, 1869.
- b. flavivittana* CLEMENS, Proc. Ent. Soc. Phil., iii, 516, 1864; ROBINSON, Trans. Am. Ent. Soc., ii, 280, 1869.
- c. perspicuana* ROBINSON, Trans. Am. Ent. Soc., ii, 280, 1869.
- d. maculidorsana* CLEMENS, Proc. Ent. Soc. Phil., iii, 516, 1864; ROBINSON, Trans. Am. Ent. Soc., ii, 281, 1869.
- e. inana* ROBINSON, Trans. Am. Ent. Soc., ii, 281, 1869.
- f. albistriana* WOOD, Ind. Ent., 1069, 1854.
- g. ptychogrammos* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 213, 1875.
- h. hudsoniana* WALKER, Cat. Brit. Mus., xxviii, 290, 1863.
- i. caliginosana* WALKER, Cat. Brit. Mus., xxviii, 309, 1863.
- *5310. *pulverosana* WALKER, Cat. Brit. Mus., xxviii, 291, 1863; WALSINGHAM, Ill. Lep. Het., iv, 3, 1879. Hudson
Bay.
syn. *implexana* WALKER, Cat. Brit. Mus., xxviii, 338, 1863.

5311. *maccana* TREITSCHKE, Schm. Eur., suppl., x, 3, 133, 1835; HERRICH-SCHAEFFER, Schm. Eur., iv, 149, 1849; WILKINSON, Brit. Tort., 171, 1859; HEINEMANN, Kleinschm., i, 1, 16, 1863.
 syn. *erebana* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 146, 1845. Eur., Me., Oreg.
5312. *logiana* SCHIFFERMÜLLER, Syst. Verz. Wien, 130, 1776; HÜBNER, Schm. Eur., Tort., f. 64, 1800; HERRICH-SCHAEFFER, Schm. Eur., iv, 143, 1849. Eur., Mass., N. Y., Pa.
 syn. *tristana* HÜBNER, Schm. Eur., Tort., f. 50, 1800; HERRICH-SCHAEFFER, Schm. Eur., iv, 142, 1849; WILKINSON, Brit. Tort., 167, 1859; HEINEMANN, Kleinschm., i, 1, 17, 1863; *trigonana* STEPHENS, Ill. Brit. Ent., Haust., iv, 1834.
- a. viburnana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 347, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 281, 1869.
- b. famula* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 214, 1875.
- *5313. *permutana* DUPONCHEL, Hist. Nat. Lép. Fr., ix, 449, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 141, 1849; WILKINSON, Br. Tort., 174, 1859; HEINEMANN, Kleinschm., i, 1, 19, 1863. Eur., Me., Ill., Cal.
- *5314. *nivisellana* WALSINGHAM, Ill. Lep. Het., iv, 2, 1879. Me., N. Y., Cal., Oreg.
5315. *schalleriana* LINNÆUS, Faun. Suec., no. 1339, 1761; HAWORTH, Lep. Brit., no. 73, 1811; HÜBNER, Eur. Schm., Tort., ff. 288, 289, 1823; TREITSCHKE, Schm. Eur., viii, 265, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 152, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 144, 1849; WILKINSON, Brit. Tort., 165, 1859; HEINEMANN, Kleinschm., i, 1, 19, 1863.
 syn. *latifasciana* HAWORTH, Lep. Br., no. 65, 1811; STEPHENS, Ill. Brit. Ent., Haust., iv, 159, 1834; *erutana* HERRICH-SCHAEFFER, Schm. Eur., iv, 143, 1849. Eur., Me.
5316. *ferrugana* SCHIFFERMÜLLER, Syst. Verz. Wien, 128, 1776; TREITSCHKE, Schm. Eur., viii, 263, 1830; HEINEMANN, Kleinschm., i, 1, 25, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 212, 1875. Eur., Atl. States.
 syn. *gallicolana* CLEMENS, Proc. Ent. Soc. Phil., iii, 516, 1864; *semiannula* ROBINSON, Trans. Am. Ent. Soc., ii, 282, 1869.

5317. *simpliciana* WALSINGHAM, Ill. Lep. Het., iv, 2, 1879. N. H., Oreg.
- *5318. *oxycoecana* PACKARD, Guide Stud. Ins., 334, 1869. Me., Mass.
5319. *minuta* ROBINSON, Trans. Am. Ent. Soc., ii, 276, 1869. So. Atl. States.
syn. malivorana LE BARON, Rept. Ins. Ill., i, 16, 1870; *vacciniivorana* PACKARD, New or Little Known Insects, 1870; Rept. Agr. Mass., 241, 1870; *variolana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 212, 1875.
a. cinderella RILEY, Rept. Ins. Mo., iv, 46, 1872.
5320. *foliana* WALSINGHAM, Ill. Lep. Het., iv, 3, 1879; Cal., Col., Ariz.
 DYAR, Proc. U. S. Nat. Mus., xxv, 399, 1902.
- *5321. *fishiana* FERNALD, Trans. Am. Ent. Soc., x, 66, 1882. Me.
- *5322. *chalybeana* FERNALD, Trans. Am. Ent. Soc., x, 65, 1882. Me., N. Y.
5323. *cervinana* FERNALD, Trans. Am. Ent. Soc., x, 65, 1882. Mass., Ga.
5324. *americana* FERNALD, Trans. Am. Ent. Soc., x, 66, 1882. Mass., Cal.
- *5325. *angusana* FERNALD, Can. Ent., xxiv, 178, 1892. Me.
- *5326. *comandrana* FERNALD, Can. Ent., xxiv, 121, 1892. Mass., Pa., Tex.
5327. *variana* FERNALD, Rept. U. S. Ent. Com., v, 847, 1890. Me.

SYNNOMA Walsingham.

WALSINGHAM, Ill. Lep. Het., iv, 24, 1879.

- *5328. *lynosyrana* WALSINGHAM, Ill. Lep. Het., iv, 24, 1879. Cal.

EPAGOGE Hübner.

HÜBNER, Verz. bek. Schmett., 389, 1826; MEYRICK, Handb. Brit. Lep., 527, 1895; *Dichelia* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 141, 1845; HEINEMANN, Kleinschm., i, 1, 50, 1863.

5329. *pulcherrimana* WALSINGHAM, Ill. Lep. Het., iv, 19, 1879. Tex.
5330. *caryæ* ROBINSON, Trans. Am. Ent. Soc., ii, 270, 1869. Pa., Ill., Tex.

5331. *sulfureana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 353, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 273, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 230, 1875. Atl. States.
 syn. *gratana* WALKER, Cat. Brit. Mus., xxviii, 359, 1863; *fulvosecana* CLEMENS, Proc. Ent. Soc. Phil., iii, 516, 1864; *virginiana* CLEMENS, Proc. Ent. Soc. Phil., iii, 517, 1864; *gallivorana* CLEMENS, Proc. Ent. Soc. Phil., iii, 517, 1864; *gracilana* WALSINGHAM, Ill. Lep. Het., iv, 18, 1879.
- a. belfrageana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 232, 1875. Tex.
- *5332. *demissana* WALSINGHAM, Ill. Lep. Het., iv, 19, 1879. Tex.
- *5333. *californiana* WALSINGHAM, Ill. Lep. Het., iv, 21, 1879. Cal.
5334. *tunicana* WALSINGHAM, Ill. Lep. Het., iv, 20, 1879. Cal.
- CENOPIS Zeller.
- ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 239, 1875.
5335. *reticulatana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 353, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 272, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 233, 1875. Atl. States.
 syn. *subauratana* WALKER, Cat. Brit. Mus., xxviii, 289, 1863; *directana* WALKER, Cat. Brit. Mus., xxviii, 309, 1863.
- a. mesospila* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 233, 1875.
5336. *pettitana* ROBINSON, Trans. Am. Ent. Soc., ii, 269, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 240, 1875. Atl. States.
5337. *diluticostana* WALSINGHAM, Ill. Lep. Het., iv, 18, 1879. Atl. States.
 syn. *quercana* FERNALD, Trans. Am. Ent. Soc., x, 69, 1882.
- *5338. *niveana* WALSINGHAM, Ill. Lep. Het., iv, 19, 1879. Can.
- *5339. *groteana* FERNALD, Trans. Am. Ent. Soc., x, 69, 1882. Ohio.
5340. *testulana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 241, 1875. Tex.
- *5341. *cana* ROBINSON, Trans. Am. Ent. Soc., ii, 276, 1869. N. Y., Pa.

CAPUA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., iv, 171, 1834; WESTWOOD, Intr. Class. Ins., i, 109, 1839; WILKINSON, Brit. Tort., 112, 1859; MEYRICK, Handb. Brit. Lep., 527, 1895.

5342. *furcatana* WALKER, Cat. Brit. Mus., xxviii, 319, N. Y., Pa.,
1863; ROBINSON, Trans. Am. Ent. Soc., ii, 270, Ohio.
1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv,
232, 1875; WALSINGHAM, Ill. Lep. Het., iv, 21,
1879.

5343. *lentiginosana* WALSINGHAM, Ill. Lep. Het., iv, Tex.
22, 1879.

CÆLOSTATHMA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 355, 1860.

5344. *discopunctana* CLEMENS, Proc. Acad. Nat. Sci. Atl.
Phil., 355, 1860; ROBINSON, Trans. Am. Ent. Soc., States.
ii, 276, 1869; ZELLER, Verh. zool.-bot. Ges.
Wien, xxv, 234, 1875.

SPARGANOTHIS Hübner.

HÜBNER, Verz. bek. Schmett., 386, 1826; MEYRICK, Handb. Brit. Lep., 528, 1895;
Cnectra GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 142, 1845; ZELLER, Verh. zool.-bot.
Ges. Wien, xxv, 228, 1885.

5345. *pilleriana* SCHIFFERMÜLLER, Syst. Verz. Wien, Eur.,
126, 1776; FABRICIUS, Mant. Ins., ii, 227, 1877; Tex.,
Ent. Syst., iii, 2, 251, 1794; HÜBNER, Schm. Cal.
Eur., Tort., f. 172, 1800; TREITSCHKE, Schm.
Eur., viii, 83, 1830; DUPONCHEL, Hist. Nat.
Lép. Fr., ix, 91, 1834; GUENÉE, Ann. Soc. Ent.
Fr., (2), iii, 142, 1845; DUPONCHEL, Cat. Méth.,
1845; HERRICH-SCHAEFFER, Schm. Eur., iv,
162, 1849; WILKINSON, Brit. Tort., 40, 1859;
HEINEMANN, Kleinschm., i, 1, 50, 1863.

syn. *vitana* FABRICIUS, Ent. Syst., iii, 2, 249,
1794; *luteolana* HÜBNER, Eur. Schmett.,
Tort., f. 136, 1800.

5346. *rudana* WALSINGHAM, Ill. Lep. Het., iv, 16, 1879. Cal., Oreg.

5347. *senecionana* WALSINGHAM, Ill. Lep. Het., iv, 17, Cal., Oreg.
1879.

5348. *puritana* ROBINSON, Trans. Amer. Ent. Soc., ii, No. Atl.
271, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, States.
xxv, 229, 1875.

syn. *unifasciana* CLEMENS (not DUPONCHEL),
Proc. Ent. Soc. Phil., iii, 516, 1864.

5349. *xanthoides* WALKER, Cat. Brit. Mus., xxvii, 190, 1863; xxviii, 290, 1863; WALSINGHAM, Ill. Lep. Het., iv, 20, 1879. Atl. States, B. C.
syn. *breviornatana* CLEMENS, Proc. Ent. Soc. Phil., v, 140, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 269, 1869.
5350. *irrorea* ROBINSON, Trans. Am. Ent. Soc., ii, 274, 1869. Me., Mass., N. Y., Col.
5351. *inconditana* WALSINGHAM Ill. Lep. Het., iv, 16, 1879. Cal., Oreg.
5352. *violaceana* ROBINSON, Trans. Am. Ent. Soc., ii, 271, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 229, 1875. Me., Mass., N. Y., Wis.
- *5353. *flavibasana* FERNALD, Trans. Am. Ent. Soc., x, 69, 1882. Tex., Ill.
5354. *distincta* WALSINGHAM, Trans. Ent. Soc. Lond., 126, 1884. Ariz.
- *5355. *striata* WALSINGHAM, Trans. Ent. Soc. Lond., 126, 1884. Mont.

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5356. *rosaceana* HARRIS, Inj. Ins., 1st ed., 348, 1841; 3d ed., 481, 1862; FITCH, Rep. Ins. N. Y., iii, 28, 1859; CLEMENS, Proc. Acad. Nat. Sci. Phil., 347, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 262, 1869; PACKARD, Guide Stud. Ins., 335, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 215, 1875. No. U. S., Col.
syn. *vicariana* WALKER, Cat. Brit. Mus., xxviii, 287, 1863; *gossypiana* PACKARD, Guide Stud. Ins., 335, 1869; *arcticana* MÖSCHLER, Stett. ent. Zeit., xxxv, 164, 1874.
5357. *purpurana* CLEMENS, Proc. Ent. Soc. Phil., 136, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 263, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 215, 1875. No. Atl. States.
syn. *gurgitana* ROBINSON, Trans. Am. Ent. Soc., ii, 263, 1869; *lintneriana* GROTE, Trans. Am. Ent. Soc., iv, 424, 1873.
5358. *infumatana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 216, 1875. Wis., Mo.

5359. **rosana** LINNÆUS, Syst. Nat., x, 530, 1758; HAWORTH, Lep. Brit., no. 96, 1811; GEYER, Schm. Eur., Tort., f. 302, 1830; WILKINSON, Brit. Tort., 63, 1859; HEINEMANN, Kleinschm., i, 1, 34, 1863.
 syn. *ameriana* LINNÆUS, Syst. Nat., x, 531, 1758; FABRICIUS, Syst. Ent., 647, 1775; *laevigana* SCHIFFERMÜLLER, Syst. Verz. Wien, 129, 1776; FABRICIUS, Ent. Syst., 253, 1793; TREITSCHKE, Schm. Eur., viii, 62, 1830; STEPHENS, Ill. Brit. Ent., Haust., iv, 74, 1834; FISCHER v. RÖSLERSTAMM, Ber. Schm., 17, 1838; HERRICH-SCHAEFFER, Schm. Eur., iv, 159, 1849; *variana* FABRICIUS, Mant. Ins., ii, 231, 1787; *oxyacanthana* HÜBNER, Schm. Eur., Tort., f. 117, 1800; HAWORTH, Lep. Brit., no. 97, 1811; DUPONCHEL, Hist. Nat. Léop. Fr., ix, 74, 1834; *acerana* HÜBNER, Schm. Eur., Tort., f. 118, 1800; FRÖLICH, En. Tort. Würt., 31, 1828; DUPONCHEL, Hist. Nat. Léop. Fr., ix, 76, 1834; *branderiana* HAWORTH, Lep. Brit., no. 94, 1811; *fuscana* HAWORTH, Lep. Brit., no. 95, 1811; *nebulana* STEPHENS, Ill. Brit. Ent., Haust., iv, 74, 1834. Eur., N. Y.
5360. **cerasivorana** FITCH, N. Y. Agr. Rep., 382, 1856; ROBINSON, Trans. Am. Ent. Soc., ii, 275, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 217, 1875. No. U. S., Cal.
5361. **rileyana** GROTE, Trans. Am. Ent. Soc., ii, 121, 1868; ROBINSON, Trans. Am. Ent. Soc., ii, 271, 1869; RILEY, Rep. Ins. Mo., i, 153, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 221, 1875. Ga., Tex., Mo.
 syn. *fervidana* WALKER (not CLEMENS), Cat. Brit. Mus., xxviii, 313, 1863.
5362. **parallela** ROBINSON, Trans. Am. Ent. Soc., ii, 267, 1869. Me. to Ill.
5363. **zapulata** ROBINSON, Trans. Am. Ent. Soc., ii, 264, 1869. Ill., Mo.
5364. **obsoletana** WALKER, Cat. Brit. Mus., xxviii, 288, 1863; WALSINGHAM, Ill. Lep. Het., iv, 11, 1879. Atl. States.
 syn. *transiturana* WALKER, Cat. Brit. Mus., xxviii, 312, 1863; WALSINGHAM, Ill. Lep. Het., iv, 8, 1879; *vesperana* CLEMENS, Proc. Ent. Soc. Phil., v, 136, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 266, 1869; *sambornana* ROBINSON, Trans. Am. Ent. Soc., ii, 265, 1869.

5365. *argyrosbila* WALKER, Cat. Brit. Mus., xxviii, 373, 1863; WALSINGHAM, Ill. Lep. Het., iv, 8, 1873. No. U. S., Cal., Col.
 syn. *ferrana* ROBINSON, Trans. Am. Ent. Soc., ii, 265, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 13, 1875; *v-signatana* PACKARD, Rept. Agr. Mass., 238, 1870.
a. vividana DYAR, Proc. Ent. Soc. Wash., v, 78, 1902; Proc. U. S. Nat. Mus., xxv, 400, 1902.
5366. *semiferana* WALKER, Cat. Brit. Mus., xxviii, 336, 1863; WALSINGHAM, Ill. Lep. Het., iv, 7, 1879. Atl. States, Col.
 syn. *flaccidana* ROBINSON, Trans. Am. Ent. Soc., ii, 277, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 13, 1875.
5367. *negundana* DYAR, Proc. Ent. Soc. Wash., v, 78, 1902; Proc. U. S. Nat. Mus., xxv, 401, 1902. Atl. States, Col.
5368. *fervidana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 347, 1860. Mass., N. Y., Pa.
 syn. *paludana* ROBINSON, Trans. Am. Ent. Soc., ii, 275, 1869.
- *5369. *magnoliana* FERNALD, Can. Ent., xxiv, 121, 1892. N. Y.
5370. *georgiana* WALKER, Cat. Brit. Mus., xxviii, 372, 1863; GROTE, Bull. Buff. Soc., i, 15, 1873; WALSINGHAM, Ill. Lep. Het., iv, 9, 1879. So. Atl. States, Brazil.?
5371. *fractivittana* CLEMENS, Proc. Ent. Soc. Phil., v, 136, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 265, 1869. So. Atl. States.
 syn. *fumosa* ROBINSON, Trans. Am. Ent. Soc., ii, 268, 1869.
5372. *grisea* ROBINSON, Trans. Am. Ent. Soc., ii, 268, 1869. Tex., Ohio, Mo.
5373. *afflictana* WALKER, Cat. Brit. Mus., xxviii, 337, 1863; WALSINGHAM, Ill. Lep. Het., iv, 14, 1879. No. U. S., Cal.
 syn. *fuscolineana* CLEMENS, Proc. Ent. Soc. Phil., v, 137, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 266, 1869.
5374. *musculana* HÜBNER, Schm. Eur., Tort., f. 98, 1800; FRÖLICH, En. Tort. Würt., 34, 1828; TREITSCHKE, Schm. Eur., viii, 175, 1830; DUPONCHEL, Hist. Nat. Léop. Fr., ix, 381, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 168, 1849; WILKINSON, Brit. Tort., 56, 1859; HEINEMANN, Kleinschm., i, 1, 39, 1863. Eur., Oreg.
 syn. *trifasciana* HAWORTH, Lep. Brit., no. 100, 1811.

5375. *virescana* CLEMENS, Proc. Ent. Soc. Phil., v, 140, 1865. Me. to Cal., Ariz.
 syn. *sescuplana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 220, 1875.
- *5376. *glaucana* WALSINGHAM, Ill. Lep. Het., iv, 13, 1879. So. Oreg.
5377. *clemensiana* FERNALD, Can. Ent., xi, 155, 1879. Me., Mass., N. Y., Wis.
- *5378. *retiniana* WALSINGHAM, Ill. Lep. Het., iv, 12, 1879. Cal.
5379. *persicana* FITCH, N. Y. Agr. Rept., 357, 1856. No. Atl. States.
 syn. *blandana* CLEMENS, Proc. Ent. Soc. Phil., iii, 515, 1864; *fragariana* PACKARD, Guide Stud. Ins. 335, 1869; *conigerana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 227, 1875.
5380. *melaleucana* WALKER, Cat. Brit. Mus., xxviii, 335, 1863; ROBINSON, Trans. Am. Ent. Soc., ii, 271, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 223, 1875; WALSINGHAM, Ill. Lep. Het., iv, 10, 1879. No. Atl. States.
 syn. *inverana* WALKER, Cat. Brit. Mus., xxviii, 358, 1863; *semifuscana* CLEMENS, Proc. Ent. Soc. Phil., iii, 519, 1864.
- *5381. *dissitana* GROTE, No. Am. Ent., i, 29, 1879. Me. to Ohio.

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- CLEMENS, Proc. Acad. Nat. Sci. Phil., 347, 1860; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 235, 1875.
5382. *flavedana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 348, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 278, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 236, 1875. Atl. States.
 syn. *concurana* WALKER, Cat. Brit. Mus., xxviii, 324, 1863; *laterana* ROBINSON, Trans. Am. Ent. Soc., ii, 278, 1869.
5383. *rostrana* WALKER, Cat. Brit. Mus., xxviii, 290, 1863; WALSINGHAM, Ill. Lep. Het., iv, 5, 1879. Fla., Santo Dom., Venezuela.
 syn. *restitutana* WALKER, Cat. Brit. Mus., xxviii, 292, 1863; *concurana* WALKER, Cat. Brit. Mus., xxviii, 293, 1863.
- *5384. *tinctana* WALKER, Cat. Brit. Mus., xxviii, 289, 1863. Tex.
5385. *labiosana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 237, 1875; DYAR, Proc. U. S. Nat. Mus., xxv, 402, 1902. Tex., Col.

5386. *exasperatana* ZELLER, Verh. zool.-bot. Ges. Wien, Me., N. Y.,
xxv, 238, 1875. Tex.
- *5387. *sentana* CLEMENS, Proc. Acad. Nat. Sci. Phil., Me. to
348, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, Tex.
277, 1869; ZELLER, Verh. zool.-bot. Ges. Wien,
xxv, 235, 1875.
- *5388. *metallicana* WALSINGHAM, Trans. Ent. Soc. Fla.
Lond., 497, 1895.
- *5389. *nigrocervina* WALSINGHAM, Trans. Ent. Soc. Col.
Lond., 495, 1895.
- *5390. *semiustana* WALSINGHAM, Trans. Ent. Soc. Lond., N. C.
128, 1884.

PANDEMIS Hübner.

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MEYRICK, Handb. Brit. Lep., 533, 1895.

5391. *limitata* ROBINSON, Trans. Am. Ent. Soc., ii, Pa.,
264, 1869. Mo.
- *5392. *lamprosana* ROBINSON, Trans. Am. Ent. Soc., ii, Atl.
264, 1869. States.
- *5393. *albaniana* WALKER, Cat. Brit. Mus., xxviii, 288, Hudson Bay,
1863; WALSINGHAM, Ill. Lep. Het., iv, 11, 1879. Cal.

TORTRIX Linnæus.

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5394. *alleniana* FERNALD, Trans. Am. Ent. Soc., x, 68, Me.
1882.
5395. *citrana* FERNALD, Ent. Amer., v, 18, 1889; Bull. Cal.
no. 18, n. ser., U. S. Dept. Agr., 99, 1898.
5396. *pallorana* ROBINSON, Trans. Am. Ent. Soc., ii, Atl. States,
266, 1869. Mont.
- *5397. *lata* ROBINSON, Trans. Am. Ent. Soc., ii, 266, Mass., Pa.,
1869. Ill.
- *5398. *houstonana* GROTE, Bull. Buff. Soc., i, 18, 1873. Tex.
syn. *retana* WALSINGHAM, Ill. Lep. Het., iv,
13, 1879.
5399. *quercifoliata* FITCH, N. Y. Agr. Rep., 826, 1858. N. Y., Tex.
syn. *trifurculana* ZELLER, Verh. zool.-bot.
Ges. Wien, xxv, 226, 1875.
5400. *albicomana* CLEMENS, Proc. Ent. Soc. Phil., v, Atl. States.
137, 1865; ROBINSON, Trans. Am. Ent. Soc., ii,
273, 1869; ZELLER, Verh. zool.-bot. Ges. Wien,
xxv, 227, 1875.

5401. *bergmanniana* LINNÆUS, Syst. Nat., x, 531, 1758; SCHIFFERMÜLLER, Syst. Verz. Wien, 126, 1776; FABRICIUS, Ent. Syst., iii, 273, 1793; FRÖLICH, En. Tort. Würt., 76, 1828; TREITSCHKE, Schm. Eur., viii, 121, 1830; GEYER, Schm. Eur., Tort., f, 349, 1834; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 114, 1834; STEPHENS, Ill. Brit. Ent., Haust., iv, 173, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 179, 1849; WILKINSON, Brit. Tort., 153, 1859; HEINEMANN, Kleinschm., i, 1, 48, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxiv, 11, 1874.
syn. *rosana* HÜBNER, Schm. Eur., Tort., f. 137, 1800.
5402. *peritana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 356, 1869; ROBINSON, Trans. Am. Ent. Soc., ii, 277, 1869.
syn. *inconclusana* WALKER, Cat. Brit. Mus., xxviii, 318, 1863.
- *5403. *franciscana* WALSINGHAM, Ill. Lep. Het., iv, 13, 1879. Cal.
- *5404. *fucana* WALSINGHAM, Ill. Lep. Het., iv, 12, 1879. Oreg.
5405. *ivana* FERNALD, Jb. N. Y. Ent. Soc., ix, 51, 1901. Fla.
- *5405. 1. *semicirculana* FERNALD, Trans. Am. Ent. Soc., x, 68, 1882. Col.
5406. *fumiferana* CLEMENS, Proc. Ent. Soc. Phil., v, 139, 1865. No. U. S.
syn. *nigridia* ROBINSON, Trans. Am. Ent. Soc., ii, 268, 1869.
5407. *packardiana* FERNALD, Rept. U. S. Ent. Com., v, 849, 1890; Bull. no. 12, U. S. Dept. Agr., 20, 1886. Me.
5408. *conflictana* WALKER, Cat. Brit. Mus., xxviii, 323, 1863; WALSINGHAM, Ill. Lep. Het., iv, 10, 1879. No. Atl. States.
5409. *osseana* SCOPOLI, Ent. Carn., 238, 1763; HEINEMANN, Kleinschm., i, 1, 54, 1863. Eur., Lab., Alaska.
syn. *quadripunctana* HAWORTH, Lep. Brit., no. 237, 1811; *pratana* HÜBNER, Schm. Eur., Tort., ff. 227, 228, 1818; FRÖLICH, En. Tort. Würt., 67, 1828; TREITSCHKE, Schm. Eur., viii, 101, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 446, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 178, 1849; WILKINSON, Br. Tort., 257, 1859; *boreana* ZETTERSTEDT, Ins. Lap., 980, 1840.
- *5410. *niveosana* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 55, 1866. Lab.

5411. **argentana** CLERCK, Icon., pl. 11, f. 14, 1759; SCHIFFERMÜLLER, Syst. Verz. Wien, 127, 1776; HÜBNER, Schm. Eur., Tort., f. 86, 1800. Eur., Cal., Nev., Alaska.
 syn. *goiiana* LINNÆUS, Faun. Suec., 349, 1761; *govana* LINNÆUS, Syst. Nat., xii, 879, 1767; FABRICIUS, Sp. Ins., 283, 1781; FRÖLICH, En. Tort. Würt., 67, 1828; TREITSCHKE, Schm. Eur., viii, 102, 1830; DUPONCHEL, Hist. Nat. Léop. Fr., ix, 444, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 177, 1849; HEINEMANN, Kleinschm., i, 1, 54, 1863; *govana* FABRICIUS, Syst. Ent., 651, 1775; *magnana* HÜBNER, Schm. Eur., Tort., ff. 225, 226, 1818; *margaratalis* HÜBNER, Schm. Eur., Pyt., f. 48, 1796; *georgiella* HULST, Ent. Am., iii, 136, 1887.
- *5412. **basiplagana** WALSINGHAM, Ill. Lep. Het., iv, 23, 1879. Tex.
5413. **trigonana** WALSINGHAM, Ill. Lep. Het., iv, 22, 1879. Cal.
5414. **horariana** WALSINGHAM, Ill. Lep. Het., iv, 22, 1879. Oreg.
5415. **möschleriana** WOCKE, Stett. ent. Zeit., 45, 1862. Lab., White Mts., Alaska.
 syn. *algidana* MÖSCHLER, Wien. ent. Mon., vi, 138, 1862; ROBINSON, Trans. Am. Ent. Soc., ii, 272, 1869; PACKARD, Guide Stud. Ins., 334, 1869.
- *5416. **arizonana** WALSINGHAM, Trans. Ent. Soc. Lond., 124, 1884. Ariz.
- *5417. **indivisana** WALKER, Cat. Brit. Mus., xxviii, 344, 985, 1863. Hudson Bay.

EULIA Hübner.

HÜBNER, Verz. bek. Schmett., 392, 1826; *Lophoderus* STEPHENS, Cat. Brit. Ins., ii, 184, 1829; Ill. Brit. Ent., Haust., iv, 143, 1834; WESTWOOD, Class. Ins., i, 108, 1839; HEINEMANN, Kleinschm., i, 1, 41, 1863.

5418. **ministrana** LINNÆUS, Syst. Nat., x, 531, 1758; SCHIFFERMÜLLER, Syst. Verz. Wien, 128, 1776; HAWORTH, Lep. Brit., no. 10, 1811; FRÖLICH, En. Tort. Würt., 42, 1828; TREITSCHKE, Schm. Eur., viii, 89, 1830; DUPONCHEL, Hist. Nat. Léop. Fr., ix, 96, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 175, 1849; WILKINSON, Brit. Tort., 17, 1859; HEINEMANN, Kleinschm., i, 1, 43, 1863. No. Atl. States., Eur.
 syn. *ferrugana* HÜBNER, Eur. Schmett., Tort., f. 56, 1800; DUPONCHEL, Hist. Nat. Léop. Fr., ix, 478, 1834; *subfascianus* STEPHENS, Ill. Brit. Ent., Haust., iv, 144, 1834.

5419. *quadrifasciana* FERNALD, Trans. Am. Ent. Soc., x, 67, 1882. No. Atl. States.
- *5420. *juglandana* FERNALD, Can. Ent., xi, 155, 1879. Mass. to Minn.
5421. *triferana* WALKER, Cat. Brit. Mus., xxviii, 314, 1863; WALSINGHAM, Ill. Lep. Het., iv, 15, 1879. Atl. States.
syn. *incertana* CLEMENS, Proc. Ent. Soc. Phil., v, 138, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 278, 1869.
5422. *amatana* DYAR, Jn. N. Y. Ent. Soc., ix, 24, 1901. Fla.
5423. *politana* HAWORTH, Lep. Brit., no. 229, 1811; WILKINSON, Brit. Tort., 271, 1859; HEINEMANN, Kleinschm., i, 1, 41, 1863; FERNALD, Rept. U. S. Dept. Agr., 1880, 264, 1881. Eur., No. Atl. States.
syn. *sylvana* TREITSCHKE, Schm. Eur., viii, 109, 1830; FISCHER v. RÖSLERSTAMM, Ber. Schm., 40, 1838; HERRICH-SCHAEFFER, Schm. Eur., iv, 162, 1849; *pulchellana* STEPHENS, Ill. Brit. Ent., Haust., iv, 135, 1834.
5424. *velutinana* WALKER, Cat. Brit. Mus., xxviii, 313, 1863. Atl. States.
syn. *lutosana* CLEMENS, Proc. Ent. Soc. Phil., v, 138, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 279, 1869.
- *5425. *gloverana* WALSINGHAM, Ill. Lep. Het., iv, 14, 1879. N. Y., Cal.
5426. *coloradana* FERNALD, Trans. Am. Ent. Soc., x, 67, 1882. Col.
- *5427. *mariana* FERNALD, Trans. Am. Ent. Soc., x, 67, 1882. Fla.
5428. *alisellana* ROBINSON, Trans. Am. Ent. Soc., ii, 267, 1869. Ohio.

AMORBIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 352, 1860; *Hendecastema* WALSINGHAM, Ill. Lep. Het., iv, 4, 1879.

5429. *humerosana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 352, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 275, 1869. No. Atl. States.
5430. *cuneana* WALSINGHAM, Ill. Lep. Het., iv, 4, 1879. Cal.
a. abumbrana WALSINGHAM, Ill. Lep. Het., iv, 5, 1879.

Subfamily PHALONIINÆ.

PHALONIA Hübner.

- HÜBNER, Verz. bek. Schmett., 393, 1826; MEYRICK, Handb. Brit. Lep., 545, 1895; *Cochylis* TREITSCHKE, Schm. Eur., vii, 233, 1829; viii, 272, 1830; DUPONCHEL, Hist. Nat. Léop. Fr., ix, 23, 1834; STEPHENS, Ill. Brit. Ent., Haust., iv, 185, 1834; *Cochylis* SODOFFSKY, Bull. Imp. Soc. Mosc. (Sep.), 20, 1837; LEDERER, Wien. ent. Mon., iii, 273, 1859; HEINEMANN, Kleinschm., i, 1, 68, 1863.
- *5431. **foccosana** WALKER, Cat. Brit. Mus., xxviii, 358, Nova Scotia,
1863; WALSINGHAM, Ill. Lep. Het., iv, 27, 1879. Pa.
syn. *confusana* ROBINSON, Trans. Am. Ent.
Soc., ii, 274, 1869.
- *5432. **vitellinana** ZELLER, Verh. zool.-bot. Ges. Wien, Me., N. H.,
xxv, 243, 1875. Mass.
- *5433. **straminoides** GROTE, Bull. Buff. Soc., i, 16, 1873. N. Y.
- *5434. **scissana** WALKER, Cat. Brit. Mus., xxviii, 360, Nova
1863; WALSINGHAM, Ill. Lep. Het., iv, 28, 1879. Scotia.
5435. **smeathmanniana** FABRICIUS, Sp. Ins., 278, 1781; Eur., Me.,
FRÖLICH, En. Tort. Würt., 39, 1828; TREITSCHKE, Cal.
Schm. Eur., viii, 274, 1830; DUPONCHEL, Hist.
Nat. Léop. Fr., ix, 413, 1834; HERRICH-SCHAEFFER,
Schm. Eur., iv, 185, 1851; WILKINSON, Brit.
Tort., 313, 1859; HEINEMANN, Kleinschm., i, 1,
80, 1863.
syn. *fabriciana* HÜBNER, Schm. Eur., Tort., f.
149, 1800; HAWORTH, Lep. Brit., 401, 1811;
stachydana HERRICH-SCHAEFFER, Schm.
Eur., iv, 185, 1851.
5436. **kindermanniana** TREITSCHKE, Schm. Eur., viii, Eur.,
276, 1830; DUPONCHEL, Hist. Nat. Léop. Fr., ix, Cal.
415, 1834; F. v. RÖSLERSTAMM, Ber. Schm., 18,
1838; HERRICH-SCHAEFFER, Schm. Eur., 184,
1851; HEINEMANN, Kleinschm., i, 1, 80, 1863.
5437. **deutschiana** ZETTERSTEDT, Ins. Lap., 981, 1840; Eur.,
WOCKE, Stett. ent. Zeit., 48, 1862; 204, 1864. Lab.
syn. *lutulentana* HERRICH-SCHAEFFER, Neu.
Schm., p. 5, f. 35, 1856; LAHARPE, Tort.,
40, 1857; *fuscotrigana* CLEMENS, Proc. Ent.
Soc. Phil., ii, 417, 1864; *chalcana* PACKARD,
Proc. Bost. Soc. Nat. Hist., xi, 56, 1866.
- *5438. **felix** WALSINGHAM, Trans. Ent. Soc. Lond., 498, Col.
1895.
5439. **rutilana** HÜBNER, Schm. Eur., Tort., f. 249, Eur., Me.,
1818; FRÖLICH, En. Tort. Würt., 74, 1828; N. Y.
HERRICH-SCHAEFFER, Schm. Eur., iv, 182, 1851;
WILKINSON, Brit. Tort., 318, 1859; HEINEMANN,
Kleinschm., i, 1, 78, 1863; RILEY, Rep. U. S.
Dept. Agr., 1878, 247, 1879.

5440. *dorsimaculana* ROBINSON, Trans. Am. Ent. Soc., ii, 285, 1869. Pa., Tex.
syn. *angustana* CLEMENS (not HÜBNER), Proc. Acad. Nat. Sci. Phil., 354, 1860.
- *5441. *promptana* ROBINSON, Trans. Am. Ent. Soc., ii, 286, 1869. Pa., Tex.
- *5442. *fernaldana* WALSINGHAM, Ill. Lep. Het., iv, 27, 1879. Cal., Oreg.
- *5443. *seriatana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 244, 1875. Tex.
- *5444. *intactana* WALSINGHAM, Ill. Lep. Het., iv, 27, 1879. Cal.
- *5445. *angulatana* ROBINSON, Trans. Am. Ent. Soc., ii, 286, 1869. Pa. to Tex.
5446. *argentilimitana* ROBINSON, Trans. Am. Ent. Soc., ii, 287, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 242, 1875. Mass., Pa., Tex.
- *5447. *parallelana* WALSINGHAM, Ill. Lep. Het., iv, 28, 1879. Cal.
- *5448. *transversana* WALSINGHAM, Ill. Lep. Het., iv, 28, 1879. Cal.
- *5449. *labeculana* ROBINSON, Trans. Am. Ent. Soc., ii, 287, 1869. Pa.
- *5450. *lepidana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 355, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 287, 1869. Pa.
- *5451. *interruptofasciata* ROBINSON, Trans. Am. Ent. Soc., ii, 287, 1869. Pa.
5452. *bunteana* ROBINSON, Trans. Am. Ent. Soc., ii, 288, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 245, 1875. Atl. States.
5453. *œnotherana* RILEY, Trans. St. Louis Acad. Sci., iv, 316, 1881. Atl. States.
5454. *erigeronana* RILEY, Trans. St. Louis Acad. Sci., iv, 316, 1881. Tex.
- *5455. *hospes* WALSINGHAM, Trans. Ent. Soc. Lond., 131, 1884. N. C.
- *5456. *latipunctana* WALSINGHAM, Ill. Lep. Het., iv, 29, 1879. Cal.
- *5457. *dilutana* WALSINGHAM, Ill. Lep. Het., iv, 29, 1879. Oreg.
- *5458. *nana* HAWORTH, Lep. Brit., 439, 1811; STEPHENS, Ill. Brit. Ent., Haust., iv, 182, 1834. Eur., Nova Scotia.
syn. *carneana* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 298, 1845; *ochreoalbana* WALKER, Cat. Brit. Mus., xxviii, 375, 1863.

- *5459. *campicolana* WALSINGHAM, Ill. Lep. Het., iv, 29, Cal.
1879.
- *5460. *parvimaculana* WALSINGHAM, Ill. Lep. Het., iv, Oreg.
30, 1879.
- *5461. *glaucofuscana* ZELLER, Verh. zool.-bot. Ges. Tex.
Wien, xxv, 245, 1875.
5462. *dubitana* HÜBNER, Schm. Eur., Tort., f. 82, 1800; Eur.,
FRÖLICH, En. Tort. Würt., 52, 1828; TREITSCHKE, Nova Scotia.
Schm. Eur., viii, 283, 1830; DUPONCHEL, Hist.
Nat. Léop. Fr., ix, 420, 1834; STEPHENS, Ill.
Brit. Ent., Haust., iv, 183, 1834; HERRICH-
SCHAEFFER, Schm. Eur., iv, 192, 1851; WIL-
KINSON, Brit. Tort., 298, 1859; HEINEMANN,
Kleinschm., i, 1, 90, 1863.
syn. *albidana* WALKER, Cat. Brit. Mus., xxxv,
1807, 1866.
5463. *comes* WALSINGHAM, Trans. Ent. Soc. Lond., Ariz.
129, 1884.
- *5464. *dorsistriatana* WALSINGHAM, Trans. Ent. Soc. Ariz.
Lond., 132, 1884.
- *5465. *edwardsiana* WALSINGHAM, Trans. Ent. Soc. Ariz.
Lond., 128, 1884.
- *5466. *fulvotinctana* WALSINGHAM, Trans. Ent. Soc. Ariz.
Lond., 132, 1884.

COMMOPHILA Hübner.

HÜBNER, Verz. bek. Schmett., 392, 1826; MEYRICK, Handb. Brit. Lep., 555, 1895;
Phtheochroa STEPHENS, Cat. Brit. Ins., ii, 191, 1829; Ill. Brit. Ent., Haust., iv, 184,
1834; LEDERER, Wien. ent. Mon., iii, 279, 1859; WILKINSON, Brit. Tort., 280, 1859;
HEINEMANN, Kleinschm., i, 1, 90, 1863.

5467. *macrocarpana* WALSINGHAM, Trans. Ent. Soc. Cal.
Lond., 499, 1895.
- *5468. *saxicolana* WALSINGHAM, Ill. Lep. Het., iv, 29, Oreg.
1879.

PSEUDOCONCHYLIS Walsingham.

WALSINGHAM, Trans. Ent. Soc. Lond., 133, 1884.

5469. *laticapitana* WALSINGHAM, Trans. Ent. Soc. Lond., Cal.
133, 1884.

PHARMACIS Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 111, 1823.

5470. *sartana* HÜBNER, Zutr. exot. Schmett., ii, 111, Pa. to Fla.
1823.
- *5471. *bimaculana* ROBINSON, Trans. Am. Ent. Soc., ii, Tex.,
285, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, Mo.
xxv, 243, 1875.

HYSTEROSIA Stephens.

STEPHENS, List Brit. Mus., x, 85, 1852; WALSINGHAM, Trans. Ent. Soc. Lond., 498, 1895; *Idiographis* LEDERER, Wien. ent. Mon., iii, 242, 1859.

5472. *inopiana* HAWORTH, Lep. Brit., 469, 1811; STEPHENS, Ill. Brit. Ent., Haust., iv, 192, 1834; WILKINSON, Brit. Tort., 100, 1859; NOLCKEN, Stett. ent. Zeit., xxx, 283, 1869. No. U. S., Eur.

syn. *centrana* HERRICH-SCHAEFFER, Schm. Eur., iv, 205, 1851; LEDERER, Wien. ent. Mon., iii, 246, 1859; HEINEMANN, Kleinschm., i, 1, 38, 1863.

- *5473. *fulviplicana* WALSINGHAM, Ill. Lep. Het., iv, 25, 1879. Cal.
 *5474. *ægrana* WALSINGHAM, Ill. Lep. Het., iv, 26, 1879. Oreg.
 *5475. *aureocalbida* WALSINGHAM, Trans. Ent. Soc. Lond., 498, 1895. Col.

CARPOSINA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Ent. Schmett., v, 38, 1855; FERNALD, Can. Ent., xxv, 96, 1893.

- *5475. 1. *crenscutella* WALSINGHAM, Trans. Am. Ent. Soc., x, 189, 1882. (Unknown.)

Family YPONOMEUTIDÆ.

(C.=DYAR, Can. Ent., xxxii, 37-41, 84-86, 1900.)

MARTYRINGA Busck.

BUSCK, Jn. N. Y. Ent. Soc., x, 96, 1902.

5476. *latipennis* WALSINGHAM, Trans. Am. Ent. Soc., x, 190, 1882; BUSCK, Jn. N. Y. Ent. Soc., x, 96, 1902. Atl. States.

YPONOMEUTA Latreille.

LATREILLE, Gen. Crust. Ins., iv, 222, 1796; DYAR, C. 38.

5477. *multipunctella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 8, 1860; Tin. No. Am., 95, 1872; CHAMBERS, Can. Ent., iv, 42, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 228, 1873; RILEY, Proc. Am. Ass. Adv. Sci., 617, 1880; DYAR, C. 38. Atl. States.

syn. *ordinatellus* WALKER, *euonymella* CHAMBERS, *orbimaculella* CHAMBERS, *wakarusa* GAUMER.

MIEZA Walker.

WALKER, Cat. Brit. Mus., ii, 527, 1854; DYAR, C. 39.

5478. *subfervens* WALKER, Cat. Brit. Mus., ii, 528, 1854; DYAR, C. 39. Tex.



5479. *psammitis* ZELLER, Verh. zool.-bot. Ges. Wien, Tex.
xxii, 562, 1872; DYAR, C. 39.

5480. *igninix* WALKER, Cat. Brit. Mus., ii, 527, 1854; Fla.
DYAR, C. 39.

syn. *crassinervella* ZELLER.

ATTEVA Walker.

WALKER, Cat. Brit. Mus., ii, 526, 1854; *Ola* GROTE, Proc. Ent. Soc. Phil., v, 230,
1865; DYAR, C. 39.

5481. *aurea* FITCH, Third Rept. Ins. N. Y., 168, 1856; So.
DYAR, C. 39. States.

syn. *compta* CLEMENS.

5482. *gemmata* GROTE, Bull. Buff. Soc., i, 93, 1873; Fla.
CHAPMAN, Jn. N. Y. Ent. Soc., v, 127, 1897;
DYAR, C. 39.

syn. *fastuosa* ZELLER, Hor. Soc. Ent. Ross.,
xiii, 225, 1877; WALSINGHAM, Proc. Zool.
Soc. Lond., 113, 1897; *floridana* NEU-
MOEGEN.

TRICHOSTIBAS Zeller.

ZELLER, Stett. ent. Zeit., 150, 1863; DYAR, C. 39.

5483. *calligera* ZELLER, Hor. Soc. Ent. Ross., xiii, 231, Fla.
1877; DYAR, C. 40.

syn. *parvula* HY. EDWARDS.

EUCERATIA Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 310, 1881.

5484. *securella* WALSINGHAM, Proc. Zool. Soc. Lond., Cal.
311, 1881.

5485. *castella* WALSINGHAM, Proc. Zool. Soc. Lond., Cal.
310, 1881.

ARÆOLEPIA Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 303, 1881.

5486. *subfasciella* WALSINGHAM, Proc. Zool. Soc. Lond., Cal.
303, 1881.

PERICLYMENOBIUS Wallengren.

WALLENGREN, Ent. Tidsk., i, 63, 1880.

5487. *frustellus* WALSINGHAM, Proc. Zool. Soc. Lond., Cal.
309, 1881.

5488. *canariellus* WALSINGHAM, Proc. Zool. Soc. Lond., Cal.
309, 1881.

5489. *dentiferellus* WALSINGHAM, Proc. Zool. Soc. Lond., Cal.
308, 1881.

TRACHOMA Wallengren.

WALLENBREN, Ent. Tidsk., i, 61, 1880.

5490. *instabilella* MANN, Verh. zool.-bot. Ges. Wien, v, 351, 1866, pl. 1, f. 5; WALSINGHAM, Proc. Zool. Soc. Lond., 301, 1881. Cal.
5491. *falciferella* WALSINGHAM, Proc. Zool. Soc. Lond., 307, 1881. Cal.
- *5492. *senex* WALSINGHAM, Ins. Life, i, 288, 1889. Col.

CALANTICA Zeller.

ZELLER, Isis, 801, 1847.

5493. *polita* WALSINGHAM, Proc. Zool. Soc. Lond., 302, 1881. Cal.

PTEROLONCHE Zeller.

ZELLER, Isis, 845, 1847; HERRICH-SCHAEFFER, Syst. Bearb. Schmett. Eur., v, 40, 1855.

- *5494. *lineata* WALSINGHAM, Ins. Life, i, 288, 1889. Ariz.

CEROSTOMA Latreille.

LATREILLE, Nat. Hist. Ins., iii, 416, 1802; MEYRICK, Handb. Brit. Lep., 697, 1895; DYAR, C. 41; *Pluteoptera* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 181, 1879.

5495. *sublucella* WALSINGHAM, Proc. Zool. Soc. Lond., 308, 1881. Cal.
5496. *cervella* WALSINGHAM, Proc. Zool. Soc. Lond., 307, 1881. Cal.
5497. *subsylvella* WALSINGHAM, Ins. Life, i, 287, 1889. Pac. States.
5498. *aleutianella* BEUTENMÜLLER, Can. Ent., xxi, 27, 1889. Alaska.
5499. *koebilella* DYAR, Cat. Ent., xxxii, 40, 1900. Cal.
5500. *radiatella* DONOVAN, Nat. Hist. Brit. Ins., iii, 77, 1816; WOCKE, Cat. Lep. Eur. ii, no. 1639, 1871; WALSINGHAM, Proc. Zool. Soc. Lond., 307, 1881; Ins. Life, i, 287, 1889. Oreg., Eur.
- syn. *ochrella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 181, 1880; *variella* HÜBNER, *fissella* HÜBNER, *lutarella* HÜBNER, *byssinella* HÜBNER, *parallella* PANZER, *radiatus* HAWORTH, *fissus* HAWORTH, *quinquepunctatus* HAWORTH, *lutosus* HAWORTH, *flaviciliatus* HAWORTH, *mitella* TREITSCHKE, *fulvella* DUPONCHEL, *rufimetrellus* STEPHENS.
5501. *rubrella* DYAR, Proc. U. S. Nat. Mus., xxv, 404, 1902. Col.

EIDO Chambers.

CHAMBERS, Can. Ent., v, 72, 1873; Jn. Cin. Soc. Nat. Hist., ii, 202, f. 18, 1879; *Venilia* CHAMBERS (not DUPONCHEL), Can. Ent., iv, 207, 1872.

- *5502. **albapalpella** CHAMBERS, Can. Ent., iv, 208, 1872; Atl.
v, 72, 1873. States.
- syn. *albopalpella* RILEY, Sm. List Lep. Bor.
Am., no. 5543, 1891.

PLUTELLA Schrank.

SCHRANK, Fauna Boica, ii, 2, 169, 1802.

5503. **maculipennis** CURTIS, Brit. Ent., pl. 420, 1832; U. S.,
WALSINGHAM & DURRANT, Ent. Mo. Mag., xxxiii, Eur.
173, 1897.
- syn. *cruciferarum* ZELLER, Stett. ent. Zeit.,
281, 1843; CHAMBERS, Bull. Geol. Surv.
Terr., iv, 161, 1878; WALSINGHAM, Proc.
Zool. Soc. Lond., 304, 1881; FLETCHER,
Rept. Ex. Far. Can., 165, 1890; ORMEROD,
Jn. Roy. Agr. Soc. Engl., 1891; *limbidi-*
penella CLEMENS, *mollipedella* CLEMENS,
brasiella FITCH, *zylostella* PACKARD, *zylo-*
stella CHAMBERS, *dubiosella* BEUTENMÜLLER,
Can. Ent., xxi, 27, 1889; DYAR, C. 40.
5504. **porrectella** LINNÆUS, Syst. Nat., 546, 1758; Cal.,
WECHE, Cat. Lep. Eur., ii, no. 1624, 1871; Eur.
CHAMBERS, Bull. Geol. Surv. Terr., iv, 161,
1878; WALSINGHAM, Proc. Zool. Soc. Lond., 305,
1881.
- syn. *hesperidella* HÜBNER, *vittatus* FABRICIUS,
hesperidis HAWORTH, *vigilacella* CLEMENS.
5505. **omissa** WALSINGHAM, Ins. Life, i, 258, 1889. Cal.
5506. **vanella** WALSINGHAM, Proc. Zool. Soc. Lond., Cal.
305, 1881.
- *5507. **albidorsella** WALSINGHAM, Proc. Zool. Soc. Cal.
Lond., 305, 1881.
5508. **interrupta** WALSINGHAM, Proc. Zool. Soc. Lond., Oreg.
304, 1881.
- *5509. **multimaculella** CHAMBERS, Bull. Geol. Surv. Tex.
Terr., iv, 89, 1878; HAGEN, Pap., iv, 99, 1884;
BUSCK, Jn. N. Y. Ent. Soc., x, 97, 1902.

GLYPHIPTERYX Hübner.

HÜBNER, Verz. bek. Schmett., 421, 1816; DYAR, C. 84.

5510. **bifasciata** WALSINGHAM, Proc. Zool. Soc. Lond., Cal.
321, 1881.

- *5511. *unifasciata* WALSINGHAM, Proc. Zool. Soc. Lond., 322, 1881. Cal.
5512. *quinqueferella* WALSINGHAM, Proc. Zool. Soc. Lond., 322, 1881. Cal.
5513. *impigritella* CLEMENS, Proc. Ent. Soc. Phil., ii, 9, 1862; Tin. No. Am., 214, 1872. Tex.
syn. *croptatella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 234, 1875; CHAMBERS, Can. Ent., xiii, 193, 1881.
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By AUGUST BUSCK.

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- *5566. *fasciella* CHAMBERS, Can. Ent., vi, 149, 1872. Ky.

AGNIPPE Chambers.

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EVIPPE Chambers.

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Col.
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5669. *trimaculella* CHAMBERS, Can. Ent., vi, 238, 1874. Tex.

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5700. *concinusella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 253, 1875. Atl. States, Col.
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 syn. *consonella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 251, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 183, 1882; *quadrinaculella* CHAMBERS, Can. Ent., vi, 237, 1874; *ochreo-costella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 91, 1878.
5703. *cresecentifasciella* CHAMBERS, Can. Ent., vi, 237, 1874; Cin. Quart. Jn. Sci., ii, 255, 1875; Bull. Geol. Surv. Terr., iv, 90, 1878. Tex.
5704. *niveopulvella* CHAMBERS, Can. Ent., vii, 210, 1875. Can., Vanc. Id., Ariz.
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5706. *lagunculariella* BUSCK, Proc. U. S. Nat. Mus., xxiii, 230, 1900; DYAR, Proc. Ent. Soc. Wash., iv, 474, 1901. Fla.
5707. *cyclella* BUSCK, Proc. U. S. Nat. Mus., xxv, 848, 1903. Ariz.
5708. *paltodoriella* BUSCK, Proc. U. S. Nat. Mus., xxv, 848, 1903. N. Mex.
5709. *fullonella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 276, 1873. Tex.
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5715. *quinella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 260, 1873; CHAMBERS, Can. Ent., ix, 23, 1877. Tex.

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5717. *coloradensis* BUSCK, Proc. U. S. Nat. Mus., xxv, 857, 1903. Col.

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syn. *ternariella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 264, 1873; *sylvæcolella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 86, 1878.

5721. *continuella* ZELLER, Isis, 198, 1839; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2597, 1901; MÖSCHLER, Wien. ent. Mon., 200, 1864; GROTE, Can. Ent., iv, 126, 1872. Lab., Can., Eur.

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^a This genus, with the species 5777, 5807, and 5830, are referable to the Tortricide.—HARRISON G. DYAR.

5723. *trophella* BUSCK, Proc. U. S. Nat. Mus., xxv, 860, 1903. Col.
5724. *lugubrella* FABRICIUS, Ent. Syst., iii, 2, 299, 54, 1794; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2617, 1901. Me., Eur.
5725. *albilorella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 261, 1873. Tex., Ariz.
syn. *trifasciella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 252, 1875; Can. Ent., ix, 24, 1877.
5726. *dentella* BUSCK, Proc. U. S. Nat. Mus., xxv, 862, 1903. Ariz.
5727. *sistrella* BUSCK, Proc. U. S. Nat. Mus., xxv, 862, 1903. Ariz.
5728. *abdominella* BUSCK, Proc. U. S. Nat. Mus., xxv, 863, 1903. Ariz.
5729. *basquella* CHAMBERS, Can. Ent., vii, 92, 124, 1875. Tex., Atl. States, W. I.
syn. *bosquella* CHAMBERS, Bull. U. S. Geol. Surv. Terr., iv, 87, 1878; WALSINGHAM, Trans. Am. Ent. Soc., x, 178, 1882; Proc. Zool. Soc. Lond., 75, 1897; *costipunctella* MÖSCHLER, Abl. Senck. Ges., xvi, 344, 1889; WALSINGHAM, Proc. Zool. Soc. Lond., 519, 1892.
5730. *paulella* BUSCK, Proc. U. S. Nat. Mus., xxv, 865, 1903. Cal., Ariz.
5731. *unifasciella* BUSCK, Proc. U. S. Nat. Mus., xxv, 865, 1903. Ariz.
- *5732. *packardella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 143, 1877. Col.
5733. *aristella* BUSCK, Proc. U. S. Nat. Mus., xxv, 866, 1903. Ariz.
5734. *thoracealbella* CHAMBERS, Can. Ent., vi, 255, 1874; Cin. Quart. Jn. Sci., ii, 252, 1875. Tex.
- *5735. *minimaculella* CHAMBERS, Can. Ent., vi, 235, 1874. Tex.
syn. *minimaculella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 145, 1878.
5736. *ochreosuffusella* CHAMBERS, Can. Ent., vi, 236, 1874; Cin. Quart. Jn. Sci., ii, 255, 1875. Tex., Col.
syn. *depressostrigella* CHAMBERS, Can. Ent., vi, 236, 1874; Bull. Geol. Surv. Terr., iii, 142, 1878; *depuossostrigella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 255, 1875.
5737. *striatella* BUSCK, Proc. U. S. Nat. Mus., xxv, 868, 1903. Ariz.

5738. *ochreostrigella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 247, 1875; Can. Ent., x, 54, 1878. Cal.
5739. *hibiscella* BUSCK, Proc. U. S. Nat. Mus., xxv, 869, 1903. D. C.
5740. *cockerelli* BUSCK, Proc. U. S. Nat. Mus., xxv, 871, 1903. N. Mex., Ariz.
5741. *variabilis* BUSCK, Proc. U. S. Nat. Mus., xxv, 871, 1903. Col., Cal.
5742. *trilineella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 125, 1877. Col.
5743. *bianulella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 225, 1875. Col.
 syn. *ocellella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 126, 1877; *ocella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 145, 1878.
5744. *discoocellella* CHAMBERS, Can. Ent., iv, 194, 1872. Ky., Tex., Ill., Kans., Atl. States.
 syn. *discoocella* CHAMBERS, Can. Ent., vi, 231, 1874; *discoocella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 237, 1875; *discoocella* COQUILLETT, Pap., iii, 98, 1883; *discoocella* DIETZ, Smith's List Ins. N. J., 474, 1900; *violucofusca* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 258, 1873.
5745. *anarsiella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 126, 1877; DYAR, Proc. U. S. Nat. Mus., xxv, 407, 1902. Col.
5746. *pravinominella* CHAMBERS, Can. Ent., x, 50, 1878; DYAR, Proc. U. S. Nat. Mus., xxv, 407, 1902. Col.
 syn. *quadrinacalella* CHAMBERS (not CHAMBERS), Cin. Quart. Jn. Sci., ii, 290, 1875; Bull. Geol. Surv. Terr., iii, 128, 1877.
5747. *barnesiella* BUSCK, Proc. U. S. Nat. Mus., xxv, 875, 1903. Col.
5748. *lindenella* BUSCK, Proc. U. S. Nat. Mus., xxv, 876, 1903. Col.
5749. *dyariella* BUSCK, Proc. U. S. Nat. Mus., xxv, 877, 1903. Col.
5750. *albisparsella* CHAMBERS, Can. Ent., iv, 92, 128, 1872. Ky.
 syn. *platanella* CHAMBERS, Can. Ent., iv, 146, 1872.
5751. *unctulella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 257, 1873. Tex., Col., Ariz.

5752. *obsuroocelella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 254, 1875. Tex., Ky.
 syn. *obsuræcella* RILEY, Smith's List Lep. Bor. Am., no. 5424, 1891.
5753. *versutella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 253, 1873. Tex., Col., Wyo.
- *5754. *lynceella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 255, 1873. Tex.
5755. *bicostomaculella* CHAMBERS, Can. Ent., iv, 127, 147, 1872; DIETZ, Smith's List Ins. N. J., 474, 1900. Ky., Atl. States.
 syn. *quercifoliella* CHAMBERS, Can. Ent., iv, 206, 1872; v, 174, 1873; *gibbosella* CHAMBERS (not STANTON), Can. Ent., v, 72, 1873.
5756. *nigrimaculella* BUSCK, Proc. U. S. Nat. Mus., xxv, 880, 1903. N. Y.
5757. *maculimarginella* CHAMBERS, Can. Ent., vi, 241, 1874. Tex., Atl. States.
 syn. *maculomarginella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 144, 1878.
5758. *biminimaculella* CHAMBERS, Cin. Jn. Nat. Hist., ii, 183, 1880. Tex., Mo.
5759. *pseudoacaciella* CHAMBERS, Can. Ent., iv, 9, 107, 129, 147, 1872; Cin. Quart. Jn. Sci., i, 208, 1874; Psyche, iii, 65, 1880. Atl. States, Tex., Ky.
 syn. *cæcella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 252, 1873.
5760. *serotinella* BUSCK, Proc. U. S. Nat. Mus., xxv, 882, 1903. Atl. States, Col.
5761. *vernella* MURTFELDT, Can. Ent., xv, 139, 1883. Mo., Atl. States.
 syn. *formosella* MURTFELDT (not HÜBNER), Can. Ent., xiii, 243, 1881.
5762. *sequax* HAWORTH, Lep. Brit., 552, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2741, 1901; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 265, 1873. Mass., Eur.
- *5763. *occidentella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 246, 1875. Cal.
5764. *mediofuscella* CLEMENS, Proc. Ent. Soc. Phil., ii, 11, 121, 1863. Tex., Ky., Atl. States.
 syn. *ragella* WALKER, Cat. Brit. Mus., xxix, 596, 1864; WALSHINGHAM, Trans. Am. Ent. Soc., x, 178, 1882; *fuscoochrella* CHAMBERS, Can. Ent., iv, 106, 1872; *liturosella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 265, 1873.

5765. *walsinghami* DIETZ, Ent. News, xi, 352, 1900; Pa.
WALSINGHAM & DURRANT, Ent. Mo. Mag.,
xxxviii, 28, 1902.
- *5766. *pennsylvanica* DIETZ, Ent. News, xi, 353, 1900; Pa.
WALSINGHAM & DURRANT, Ent. Mo. Mag.,
xxxviii, 29, 1902.
- *5767. *tephriassella* CHAMBERS, Can. Ent., iv, 68, 1872; Ky.
Cin. Quart. Jn. Sci., ii, 253, 1875; WALSINGHAM,
Trans. Am. Ent. Soc., x, 181, 1882.
5768. *conclusella* WALKER, Cat. Brit. Mus., xxix, 593, Atl.
1864; WALSINGHAM, Trans. Am. Ent. Soc., x, States.
179, 1882.
syn. *grissefusiella* CHAMBERS, Cin. Quart. Jn.
Sci., ii, 253, 1875.
5769. *rileyella* CHAMBERS, Can. Ent., iv, 106, 147, 1872; Ky.
BUSCK, Proc. U. S. Nat. Mus., xxv, 887, 1903.
5770. *nundinella* ZELLER, Verh. zool.-bot. Ges. Wien, Tex., Mo.,
xxiii, 256, 1873. Atl. States.
syn. *beneficentella* MURTFELDT, Can. Ent., xiii,
245, 1881.
5771. *monumentella* CHAMBERS, Bull. Geol. Surv. Terr., Col.
iii, 125, 1877.
5772. *obscurousuffusella* CHAMBERS, Bull. Geol. Surv. Tex.
Terr., iv, 90, 1878.
5773. *petasitis* PFAFFENZELLER, Stett. ent. Zeit., xxviii, Atl.
79, 1867; STAUDINGER & REBEL, Cat. Lep. Eur., States, Eur.
ii, no. 2588, 1901; WALSINGHAM, Trans. Am. Ent.
Soc., x, 178, 1882.
5774. *panella* BUSCK, Proc. U. S. Nat. Mus., xxv, 889, Ariz.
1903.
5775. *abella* BUSCK, Proc. U. S. Nat. Mus., xxv, 889, Col.
1903.
5776. *fuscotæniaella* CHAMBERS, Bull. Geol. Surv. Terr., Tex.,
iv, 89, 1878. Col.
syn. *fuscotanniella* RILEY, Smith's List Lep.
Bor. Am., no. 5473, 1891; *fuscolinianella*
RILEY, Smith's List Lep. Bor. Am., no. 5370,
1891.
- *5777. *aceriella* CLEMENS, Proc. Ent. Soc. Phil., i, 87, Pa.
1861.
- *5778. *adaptella* WALKER, Cat. Brit. Mus., xxix, 590 Can.
1864.
- *5779. *albistrigella* CHAMBERS, Can. Ent., iv, 171, 1872; Ky.
HAGEN, Pap., iv, 98, 1884.
- *5780. *ambrosiæella* CHAMBERS, Cin. Quart. Jn. Sci., ii, Ky.
239, 1875.

- *5781. *amorphæella* CHAMBERS, Bull. Geol. Surv. Terr., Col.
iii, 126, 1877.
- *5782. *angustipennella* CLEMENS, Proc. Ent. Soc. Phil., Pa.?
ii, 119, 1863.
- *5783. *argentialbella* CHAMBERS, Can. Ent., vi, 241, 1874. Tex.
- *5784. *atritella* WALKER, Cat. Brit. Mus., xxix, 592, Oreg.
1864.
- *5785. *aurimaculella* CHAMBERS, Can. Ent., iv, 172, 1872. Ky.
syn. *discomaculella* CHAMBERS, Can. Ent., iv,
172, 1872; Cin. Quart. Jn. Sci., ii, 239, 1875.
- *5786. *badiomaculella* CHAMBERS, Can. Ent., iv, 192, 1872. Ky.
- *5787. *bistrigella* CHAMBERS, Can. Ent., iv, 92, 147, Can.
1872.
- *5788. *brumella* CLEMENS, Proc. Ent. Soc. Phil., ii, 416, Lab.
1864.
- *5789. *canopulvella* CHAMBERS, Bull. Geol. Surv. Terr., Tex.
iv, 91, 1878.
- *5790. *capiteochrella* CHAMBERS, Cin. Quart. Jn. Sci., (Unknown.)
ii, 252, 1875.
- *5791. *caryævorella* PACKARD, Rept. Dept. Agr., 1885, R. I.
331, 1886.
- *5792. *cassella* WALKER, Cat. Brit. Mus., xxix, 594, 1864. No. Am.
- *5793. *decemmaculella* CHAMBERS, Cin. Quart. Jn. Sci., Col.
ii, 290, 1875; Bull. Geol. Surv. Terr., iii, 128,
1877.
- *5794. *brackenridgella* BUSCK. Pa.
syn. *detersella* CLEMENS (not ZELLER), Proc.
Acad. Nat. Sci. Phil., 164, 1860.
- *5795. *discoannulella* CHAMBERS, Cin. Quart. Jn. Sci., ii, (Unknown.)
254, 1875.
- *5796. *discostrigella* CHAMBERS, Cin. Quart. Jn. Sci., ii, Cal.
248, 1875.
- *5797. *flavicorporella* WALSINGHAM, Trans. Am. Ent. Mass.
Soc., x, 177, 1882.
- *5798. *flexurella* CLEMENS, Proc. Acad. Nat. Sci. Phil., Pa.
163, 1860; Proc. Ent. Soc. Phil., ii, 122, 1863.
- *5799. *fuscoluteella* CHAMBERS, Can. Ent., iv, 106, 129, Ky.
147, 1872.
- *5800. *fuscomaculella* CHAMBERS, Can. Ent., iv, 170, Ky.
1872.
- *5801. *fuscopunctella* CLEMENS, Proc. Ent. Soc. Phil., Pa.?
ii, 12, 121, 1863.

- *5802. *gilvomaculella* CLEMENS, Proc. Ent. Soc. Phil.,
ii, 12, 121, 1863. Pa.?
- *5803. *glycyrrhizæella* CHAMBERS, Bull. Geol. Surv.
Terr., iii, 124, 1877. Col.
- *5804. *grisella* CHAMBERS, Can. Ent., iv, 171, 1872. Ky.
- *5805. *griseaella* CHAMBERS, Can. Ent., iv, 88, 1872. Can.
syn. *griseella* CHAMBERS, Bull. Geol. Surv.
Terr., iv, 144, 1878.
- *5806. *griseochrella* CHAMBERS, Cin. Quart. Jn. Sci.,
ii, 247, 1875. Cal.
- *5807. *hamameliella* CLEMENS, Proc. Ent. Soc. Phil., i, (Unknown.)
87, 1861.
- *5808. *labradorica* MÖSCHLER, Can. Ent., iv, 125, 1872. Lab.
- *5809. *labradoriella* CLEMENS, Proc. Ent. Soc. Phil., ii,
12, 120, 1863. Lab.
- *5810. *lacteusochrella* CHAMBERS, Cin. Quart. Jn. Sci.,
ii, 244, 1875. Cal.
- *5811. *liturella* WALKER, Cat. Brit. Mus., xxix, 591,
1864. Nova Scotia.
- *5812. *maculatusella* CHAMBERS, Cin. Quart. Jn. Sci.,
ii, 245, 1875. Cal.
- *5813. *milleriella* CHAMBERS, Cin. Quart. Jn. Sci., ii, (Unknown.)
253, 1875.
- *5814. *mimella* CLEMENS, Proc. Acad. Nat. Sci. Phil.,
163, 1860; Proc. Ent. Soc. Phil., ii, 121, 1863. Pa.?
- *5815. *obscuraella* CHAMBERS, Can. Ent., iv, 170, 1872. Ky.
- *5816. *obscurusella* CHAMBERS, Can. Ent., iv, 106, 128,
148, 1872. Ky.
syn. *fuscopulvella* CHAMBERS, Can. Ent., iv,
170, 1872.
- *5817. *ocherfuscella* CHAMBERS, Cin. Quart. Jn. Sci.,
ii, 249, 1875. Cal.
syn. *ochreofuscella* CHAMBERS, Bull. Geol.
Surv. Terr., iv, 145, 1878.
- *5818. *ornatifimbriella* CLEMENS, Proc. Ent. Soc. Phil.,
ii, 420, 1864. Ill.
- *5819. *pallidegrisseella* CHAMBERS, Can. Ent., vi, 237,
1875. Tex.
- *5820. *palpialbella* CHAMBERS, Cin. Quart. Jn. Sci., ii, (Unknown.)
253, 1875.
syn. *palpiaella* RILEY, Smith's List Lep. Bor.
Am., no. 5441, 1891.

- *5821. *parvipulvella* CHAMBERS, Can. Ent., vi, 242, 1874. Tex.
- *5822. *pullifimbriella* CLEMENS, Proc. Ent. Soc. Phil., ii, 120, 1863. Pa.?
- *5823. *pullusella* CHAMBERS, Can. Ent., vi, 237, 1874. Tex.
- *5824. *punctiferella* CLEMENS, Proc. Ent. Soc. Phil., ii, 119, 1863. Pa.?
- *5825. *simpliciella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 238, 1875. Ky.
- *5826. *subalbusella* CHAMBERS, Can. Ent., vi, 242, 1874. Tex.
- *5827. *suffusella* CHAMBERS, Can. Ent., iv, 171, 1872. Ky.
- *5828. *thoraceochrella* CHAMBERS, Can. Ent., iv, 169, 1872. Ky.
- *5829. *thoracestrigella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 245, 1875. Cal.
- *5830. *timidella* CLEMENS, Proc. Ent. Soc. Phil., i, 87, 1861. Minn.
- *5831. *unistrigella* CHAMBERS, Can. Ent., v, 176, 1873. Ky.
- *5832. *versicolorella* CHAMBERS, Can. Ent., iv, 127, 147, 1872. Ky.
- *5833. *wacoella* CHAMBERS, Can. Ent., vi, 237, 1874. Tex.

Family XYLORICTIDÆ.

STENOMA Zeller.

ZELLER, Isis, 195, 1839.

5834. *schlægeri* ZELLER, Linn. Ent., ix, 372, 1854; x, 158, 1855; Verh. zool.-bot. Ges. Wien, xxiii, 246, 1873; WALSINGHAM, Ins. Life, ii, 152, 1889. Atl. States.
5835. *leucillana* ZELLER, Linn. Ent., ix, 370, 1854; WALSINGHAM, Ins. Life, ii, 153, 1889. Ga.
5836. *humilis* ZELLER, Linn. Ent., x, 156, 1855; WALSINGHAM, Ins. Life, ii, 154, 1889. N. C., Tex.
syn. *mbeculosa* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 245, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 175, 1882; *canusella* CHAMBERS, Can. Ent., vi, 235, 1874.
5837. *crambitella* WALSINGHAM, Ins. Life, ii, 154, 1889. Ariz.
5838. *furcata* WALSINGHAM, Ins. Life, ii, 153, 1889. Ariz.
- *5839. *algidella* WALKER, Cat. Brit. Mus., xxix, 710, 1864; WALSINGHAM, Ins. Life, ii, 153, 1889. Nova Scotia.

IDE Chambers.

CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 180, 1879; WALSINGHAM, Ins. Life, ii, 155, 1889.

- *5840. *osseella* WALSINGHAM, Ins. Life, ii, 155, 1889. Cal.
 5841. *vestalis* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 247, 1873; WALSINGHAM, Ins. Life, ii, 155, 1889. Tex., Fla., S. C.
 syn. *albella* CHAMBERS, Can. Ent., vi, 234, 1874.
 5842. *lithosina* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 244, 1873; WALSINGHAM, Ins. Life, ii, 155, 1889. Tex., Fla.
 syn. *tortricella* CHAMBERS, Can. Ent., vi, 235, 1874; Bull. Geol. Surv. Terr., iii, 122, 141, 1877.

Family CECOPHORIDÆ.

EUMEYRICKIA Busck.

Busck, Jn. N. Y. Ent. Soc., x, 94, 1902.

5843. *trimaculella* FITCH, Rep. Ins. N. Y., ii, 233, 1856; BUSCK, Jn. N. Y. Ent. Soc., x, 94, 1902. No. Atl. States.
 syn. *albapulvella* CHAMBERS, Can. Ent., vii, 147, 1875; *haustellata* WALSINGHAM, Trans. Am. Ent. Soc., x, 173, 1882.

CRYPTOLECHIA Zeller.

ZELLER, Lep. Micr., 106, 1852; WALSINGHAM, Ins. Life, ii, 150, 1889.

5844. *sparsiciliella* CLEMENS, Proc. Ent. Soc. Phil., ii, 430, 1863; Tin. No. Am., 255, 1872. Atl. States.
 syn. *contrariella* WALKER, Cat. Brit. Mus., xxix, 771, 1864; WALSINGHAM, Proc. Zool. Soc. Lond., 85, 1880; *atropicta* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 343, 1875; *sparsicella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 129, 1878.
 5845. *concolorella* BEUTENMÜLLER, Ent. Amer., iv, 30, 1888; WALSINGHAM, Ins. Life, ii, 152, 1889. Nev.
 5846. *cretacea* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 243, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 176, 1882. Tex.
 *5847. *ferruginosa* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 243, 1873. Ohio.
 *5848. *obscurumaculella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 86, 1878. Tex.
 *5849. *obsoletella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 242, 1873. Ohio.

- *5850. *piperatella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 239, 1873. Tex.
5851. *quercicella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 212, 1860; Tin. No. Am., 159, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 240, 1873; WALSINGHAM, Ins. Life, ii, 151, 1889. Atl. States.
- syn. *eressonella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 85, 1878; *faginella* CHAMBERS, Can. Ent., iv, 131, 1872; vi, 231, 1874; Bull. Geol. Surv. Terr., iv, 84, 1878; *cryptolechiella* CHAMBERS, Can. Ent., iv, 91, 131, 1872; Bull. Geol. Surv. Terr., iv, 84, 1878; *dubitatella* ZELLER, Hor. Soc. Ent. Ross., 262, 1887.
5852. *reflexella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 212, 1860; Tin. No. Am., 149, 1872; WALSINGHAM, Ins. Life, ii, 151, 1889. Pa.
- syn. *reflexa* CHAMBERS, Bull. Geol. Surv. Terr., iv, 137, 1878.

MACHIMIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 211, 1860; Tin. No. Am., 147, 1872.

5853. *tentoriferella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 212, 1860; Tin. No. Am., 148, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, 238, 1873; CHAMBERS, Bull. Geol. Surv. Terr., iv, 84, 1878. Atl. States.
- syn. *confertella* WALKER, Cat. Brit. Mus., xxix, 563, 1864; WALSINGHAM, Proc. Zool. Soc. Lond., 312, 1881; *fernaldella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 83, 1878.

DEPRESSARIA Haworth.

HAWORTH, Lep. Brit., 505, 1812; CLEMENS, Tin. No. Am., 229, 1872; BUSCK, Proc. U. S. Nat. Mus., xxiv, 731-749, 1902.

5854. *atrodorsella* CLEMENS, Proc. Ent. Soc. Phil., ii, 124, 1863; Tin. No. Am., 230, 1872; PACKARD, Guide Stud. Ins., 349, 1869; CHAMBERS, Can. Ent., iv, 91, 1872; ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 156, 1868; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 233, 1873. Atl. States.
5855. *umbraticostella* WALSINGHAM, Proc. Zool. Soc. Lond., 318, 1881. Cal. Col.
- *5856. *thoracenigræella* CHAMBERS, Cinn. Quart. Jn. Sci., ii, 246, 1875. Cal.
5857. *gracilis* WALSINGHAM, Ins. Life, i, 257, 1899. Tex., Col.

5858. *pulvipennella*, CLEMENS, Proc. Ent. Soc. Phil., Atl. States.
ii, 421, 1864; Tin. No. Am., 244, 1872; ROBINSON,
Ann. Lyc. Nat. Hist. N. Y., ix, 157, 1868;
CHAMBERS, Can. Ent., iv, 91, 1872.
syn. *eupatoriella* CHAMBERS, Bull. Geol. Surv.
Terr., iv, 82, 1878; *solidaginis* WAL-
SINGHAM, Ins. Life, i, 255, 1889.
5859. *arnicella* WALSHINGHAM, Proc. Zool. Soc. Lond., Cal.
314, 1881.
5860. *argillacea* WALSHINGHAM, Proc. Zool. Soc. Lond., Cal.
313, 1881.
5861. *sanguinella* BUSCK, Proc. U. S. Nat. Mus., xxiv, Ariz.
739, 1902.
5862. *applana* FABRICIUS, Gen. Ins., 294, 1777; STAUD- D. C.,
DINGER & REBEL, Cat. Lep. Eur., ii, no. 3233, Eur.
1901; WALSHINGHAM, Trans. Am. Ent. Soc., x,
175, 1882.
syn. *applanella* FISCHER v. RÖSLERSTAMM,
cinctella HÜBNER, *clemensella* CHAMBERS,
Can. Ent., ix, 103, 1877.
5863. *ciliella* STANTON, Cat. Brit. Ins., Tin., 17, 1849; Cal.,
STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. Eur.
3234, 1901; WALSHINGHAM, Proc. Zool. Soc.
Lond., 316, 1881.
5864. *fernaldella* WALSHINGHAM, Ins. Life, i, 256, 1889. Mass., Can.
5865. *psoraliella* WALSHINGHAM, Proc. Zool. Soc. Lond., Cal.
317, 1881.
5866. *novimundi* WALSHINGHAM, Ins. Life, i, 256, 1889. Col., Cal.
- *5867. *thoracefasciella* CHAMBERS, Can. Ent., x, 50, Cal.
1878; Cin. Quart. Jn. Sci., ii, 246, 1875.
5868. *klamathiana* WALSHINGHAM, Proc. Zool. Soc. Cal.
Lond., 314, 1881.
5869. *ciniflonella* ZELLER, Isis, 280, 1846; STAUDINGER B. C.,
& REBEL, Cat. Lep. Eur., ii, no. 3221, 1901. Eur.
5870. *nebulosa* ZELLER, Verh. zool.-bot. Ges. Wien, Mass.
xxiii, 237, 1873.
5871. *fulva* WALSHINGHAM, Trans. Am. Ent. Soc., x, (Unknown.)
175, 1882.
5872. *amyrisella* BUSCK, Jn. N. Y. Ent. Soc., viii, 247, Fla.
1901.
5873. *muricolorella* BUSCK, Proc. U. S. Nat. Mus., Col.
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Va.
syn. *seniciella* BUSCK, Proc. U. S. Nat. Mus.,
xxiv, 743, 1902.
- *5876. *sabulella* WALSINGHAM, Proc. Zool. Soc. Lond., 313, 1881. Cal.
- *5877. *arenella* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 137, 1776; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3204, 1901. Cal.,
Eur.
syn. *gilvella* HÜBNER.
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- *5879. *lythrella* WALSINGHAM, Ins. Life, i, 257, 1889. Ill.
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Col.
5881. *nubiferella* WALSINGHAM, Proc. Zool. Soc. Lond., 316, 1881. Cal.
5882. *robiniella* PACKARD, Guide Stud. Ins., 349, 1869; CHAMBERS, Can. Ent., iv, 107, 1874; Cin. Quart. Jr. Sci., ii, 208, 1875. So. Atl.
States.
syn. *hilarella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 234, 1873.
5883. *lecontella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 174, 1860; Tin. No. Am., 137, 1872; CHAMBERS, Can. Ent., iv, 146, 1874; ROBINSON, Ann. N. Y. Lyc. Nat. Hist., ix, 157, 1868. N. Y.,
Pa.
5884. *emeritella* STANTON, Trans. Ent. Soc. Lond., v, 167, 1849; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3283, 1901; WALSINGHAM, Proc. Zool. Soc. Lond., 318, 1881. Cal.,
Eur.
5885. *togata* WALSINGHAM, Ins. Life, i, 254, 1889. Cal., Oreg.
5886. *betulella* BUSCK, Proc. U. S. Nat. Mus., xxiv, 746, 1902. Pa.
5887. *nervosa* HAWORTH, Lep. Brit., 506, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3306, 1901; WALSINGHAM, Proc. Zool. Soc. Lond., 317, 1881. Eur.
syn. *apiella* HÜBNER, *daucella* TREITSCHKE.
5888. *barberella* BUSCK, Proc. U. S. Nat. Mus., xxiv, 747, 1902. Ariz.

5889. **heracliana** DE GEER, Mém. Ins., ii, 407, 1771; ZELLER, Isis, 305, 1839; Linn. Ent., ix, 312, 1854; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3280, 1901.
 Atl. States, Eur.
 syn. *heraclei* RETZIUS, Gen. Degeerii, 45, 1783; *umbellana* FABRICIUS, Ent. Syst., iii, 286, 1775; *umbellula* ZETTERSTEDT, Ins. Lap., 999, 1840; *pastinacella* DUPONCHEL, Hist. Nat., viii, 153, 1836; *ontariella* BETHUNE, Can. Ent., ii, 3, 19, 1870.
- *5890. **groteella** ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 157, 1868.
 Atl. States.
5891. **cinereocostella** CLEMENS, Proc. Acad. Nat. Sci. Phil., ii, 422, 1864; Tin. No. Am., 245, 1872; CHAMBERS, Can. Ent., iv, 91, 1872; ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 155, 1868.
 Pa., Va.
 syn. *clausella* WALKER, Cat. Brit. Mus., xxix, 564, 1864; WALSINGHAM, Proc. Zool. Soc. Lond., 312, 1881; Ins. Life, i, 255, 1889.
- *5892. **scabella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 236, 1873.
 Ohio.

SEMIOSCOPSIS Hübner.

- HÜBNER, Verz. bek. Schmett., 402, 1816; *Epicostoma* STEPHENS, Cat. Brit. Ins., 296, 1829; *Epigraphia* STEPHENS, Cat. Brit. Ins., 304, 1829.
5893. **packardella** CLEMENS, Proc. Ent. Soc. Phil., ii, 125, 1863; Tin. No. Am., 231, 1872; WALSINGHAM, Trans. Am. Ent. Soc., x, 174, 1882.
 No. Atl. States.
 syn. *eruditella* GROTE, No. Am. Ent., i, 53, 1880.
5894. **allenella** WALSINGHAM, Trans. Am. Ent. Soc., x, 174, 1882.
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- *5895. **inornata** WALSINGHAM, Trans. Am. Ent. Soc., x, (Unknown.) 174, 1882.

ETHMIA Hübner.

- HÜBNER, Verz. bek. Schmett., 163, 1816; WALSINGHAM, Proc. Zool. Soc. Lond., 88, 1897; *Psecadia* HÜBNER, Verz. bek. Schmett., 412, 1816.
5896. **albicostella** BEUTENMÜLLER, Ent. Amer., v, 9, 1889.
 Col.
5897. **albistrigella** WALSINGHAM, Proc. Zool. Soc. Lond., 89, 1880.
 Cal., Col.
5898. **arctostaphylella** WALSINGHAM, Proc. Zool. Soc. Lond., 88, 1880.
 Cal.
5899. **discostrigella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 122, 144, 1877; WALSINGHAM, Ins. Life, i, 149, 1888.
 Rocky Mts.

5900. *subcærulea* WALSINGHAM, Proc. Zool. Soc. Lond., Cal.
89, 1880.
5901. *hagenella* CHAMBERS, Bull. Geol. Surv. Terr., iv, Tex.
80, 1878.
5902. *apicipunctella* CHAMBERS, Can. Ent., vii, 8, 1875. Tex.
5903. *marmorea* WALSINGHAM, Ins. Life, i, 149, 1888. Rocky Mts.,
Oreg.
5904. *mirusella* CHAMBERS, Can. Ent., vi, 233, 1874; Tex.
Bull. Geol. Surv. Terr., iii, 121, 141, 1877.
5905. *monticola* WALSINGHAM, Proc. Zool. Soc. Lond., Col.
87, 1880.
5906. *obscurella* BEUTENMÜLLER, Ent. Amer., iv, 129, Cal.
1888.
5907. *semilugens* ZELLER, Verh. zool.-bot. Ges. Wien, Tex.
xxii, 561, 1872; CHAMBERS, Cin. Quart. Jn. Sci.,
ii, 258, 1875.
syn. *multipunctella* CHAMBERS, Can. Ent., vi,
233, 1874.
5908. *semiopaca* GROTE, Bull. U. S. Geol. Surv., vi, Ariz.,
275, 1881. Col.
5909. *plumbeella* BEUTENMÜLLER, Ent. Amer., v, 9, Tex.
1889.
- *5910. *chambersella* DYAR. Tex.
syn. *texanella* CHAMBERS (not CHAMBERS), Jn.
Cin. Soc. Nat. Hist., ii, 179, 1880; WAL-
SINGHAM, Ins. Life, i, 149, 1888.
- *5911. *trifurcella* CHAMBERS, Can. Ent., v, 12, 1873; Ky.
Bull. Geol. Surv. Terr., iv, 80, 1878.
5912. *longimaculella* CHAMBERS, Can. Ent., iv, 43, 1872. Ky.,
syn. *walsinghamella* BEUTENMÜLLER, Ent. W. Va.
Amer., v, 9, 1889.
5913. *zelleriella* CHAMBERS, Bull. Geol. Surv. Terr., Tex.
iv, 80, 1878.
syn. *texanella* CHAMBERS, Jn. Cin. Soc. Nat.
Hist., ii, 2, 1880; WALSINGHAM, Ins. Life, i,
149, 1888.
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5915. *confusella* WALKER, Cat. Brit. Mus., xxviii, 531, Fla.,
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TRICLONELLA Busck.

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5917. *villella* BUSCK, Jn. N. Y. Ent. Soc., viii, 238, 1901. Md.

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GROTE, Can. Ent., x, 69, 1878; *Hamadryas* CLEMENS (not HÜBNER), Tin. No. Am., 245, 1872.

5918. *bassettella* CLEMENS, Proc. Ent. Soc. Phil., ii, 423, 1864; Tin. No. Am., 246, 1872; CHAMBERS, Can. Ent., x, 53, 1878; vi, 231, 1874; Cin. Quart. Jn. Sci., ii, 115, 1875. Atl. States.
5919. *schwarziella* BUSCK, Jn. N. Y. Ent. Soc., viii, 239, 1901. Ariz.

EPICALLIMA Dyar.

Callima CLEMENS (not *Kallima* WESTWOOD), Proc. Acad. Nat. Sci. Phil., 166, 1860.

5920. *argenticinctella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 167, 1860; Tin. No. Am., 12, 46, 123, 1872; CHAMBERS, Can. Ent., v, 188, 1873; Cin. Quart. Jn. Sci., ii, 114, 1875. Atl. States.

ÆCOPHORA Latreille.

LATREILLE, Gen. Crust. Ins., iv, 222, 1796.

- *5921. *boreasella* CHAMBERS, Can. Ent., v, 189, 1873; Cin. Quart. Jn. Sci., ii, 114, 292, 1875; Bull. Geol. Surv. Terr., iii, 129, 141, 1877. Ky.
- *5922. *borkhausenii* ZELLER, Isis, 192, 1839; Verh. zool.-bot. Ges. Wien, xxiii, 290, 1873; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3384, 1901. Eur., D. C.
- *5923. *coloradella* WALSINGHAM, Ins. Life, i, 148, 1888. Col.
- *5924. *determinatella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 289, 1873. Tex.
- syn. *australisella* CHAMBERS, Can. Ent., vii, 124, 1875; ix, 24, 1877; Cin. Quart. Jn. Sci., ii, 114, 1875.
- *5925. *dimidiella* WALSINGHAM, Ins. Life, i, 148, 1888. Col., Cal.
5926. *pseudospretella* STANTON, Cat. Brit. Ins., Tin., 14, 1849; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3358, 1901; WALSINGHAM, Ins. Life, i, 149, 1888. Eur., Pac. States.

- *5927. *quadrimaculella* CHAMBERS, Cin. Quart. Jn. Sci., Col.
ii, 292, 1875; Bull. Geol. Surv. Terr., iii, 129,
1877.
- *5928. *shalleriella* CHAMBERS, Cin. Quart. Jn. Sci., ii, Ky.
114, 1875.
- *5929. *thoracella* WALSHINGHAM, Ins. Life, i, 147, 1888. Col.
- *5930. *constrictella* ZELLER, Verh. zool.-bot. Ges. Wien, Tex.
xxiii, 291, 1873.

CHAMBERSIA Riley.

RILEY, Smith's List Lep. Bor. Am., 103, 1891; *Blepharocera* CHAMBERS (not
BLANCHARD), Bull. Geol. Surv. Terr., iii, 144, 1877.

- *5931. *haydenella* CHAMBERS, Bull. Geol. Surv. Terr., Col.
iii, 145, 1877.

DASYCERA Haworth.

HAWORTH, Lep. Brit., 524, 1829; STEPHENS, Cat. Brit. Ins., 297, 1829; CLEMENS, Proc.
Ent. Soc. Phil., ii, 428, 1864.

- *5932. *newmanella* CLEMENS, Proc. Ent. Soc. Phil., ii, Va.
428, 1864; Tin. No. Am., 252, 1872; ZELLER,
Verh. zool. bot. Ges. Wien, xxiii, 289, 1873.
- *5933. *nonstrigella* CHAMBERS, Bull. Geol. Surv., iv, 92, Ky.
1878.

BABAIXA Buseck.

BUSCK, Jn. N. Y. Ent. Soc., x, 95, 1902.

5935. *delliella* FERNALD, Can. Ent., xxiii, 29, 1891. Tex.

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PLOIOPHORA Dietz.

DIETZ, Trans. Am. Ent. Soc., xxvii, 102, 1900.

5936. *ampla* DIETZ, Trans. Am. Ent. Soc., xxvii, 103, Pa.
1900.
5937. *fidella* DIETZ, Trans. Am. Ent. Soc., xxvii, 103, Pa.
1900.

PIGRITIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 172, 1860; DIETZ, Trans. Am. Ent. Soc., xxvii,
104, 1900.

5938. *confusella* DIETZ, Trans. Am. Ent. Soc., xxvii, Pa.,
104, 1900. N. J.
- *5939. *purpurella* DIETZ, Trans. Am. Ent. Soc., xxvii, Atl.
105, 1900. States.
- *5940. *basilarella* DIETZ, Trans. Am. Ent. Soc., xxvii, Atl.
105, 1900. States.

5941. *laticapitella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 173, 1860; Tin. No. Am., 41, 136, 1872; WALSINGHAM, Trans. Am. Ent. Soc., x, 190, 1882; DIETZ, Trans. Am. Ent. Soc., xxvii, 106, 1900. Atl. States.
- syn. *anfugella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 300, 1873; *anfugella* DIETZ, Trans. Am. Ent. Soc., xxvii, 119, 1900; *luteopulvella* CHAMBERS, Can. Ent., vii, 73, 1875.
5942. *mediofasciella* DIETZ, Trans. Am. Ent. Soc., xxvii, 107, 1900. Pa.
5943. *ornatella* DIETZ, Trans. Am. Ent. Soc., xxvii, 107, 1900. Pa.
5944. *angustipennella* DIETZ, Trans. Am. Ent. Soc., xxvii, 108, 1900. Pa.
5945. *tristella* DIETZ, Trans. Am. Ent. Soc., xxvii, 108, 1900. Pa.
5946. *spoliatella* DIETZ, Trans. Am. Ent. Soc., xxvii, 110, 1900. Pa.
- *5947. *arizonella* DIETZ, Trans. Am. Ent. Soc., xxvii, 109, 1900. Ariz.
5948. *obscura* DIETZ, Trans. Am. Ent. Soc., xxvii, 110, 1900. Pa.

EPIGRITIA Dietz.

DIETZ, Trans. Am. Ent. Soc., xxvii, 110, 1900.

5949. *pallidotinctella* DIETZ, Trans. Am. Ent. Soc., xxvii, 111, 1900. Pa.
5950. *heidemannella* DIETZ, Trans. Am. Ent. Soc., xxvii, 111, 1900. Pa.

DRYOPE Chambers.

CHAMBERS, Can. Ent., vi, 49, 1874; DIETZ, Trans. Am. Ent. Soc., xxvii, 114, 1900.

- *5951. *occidentella* DIETZ, Trans. Am. Ent. Soc., xxvii, 115, 1900. Cal.
- *5952. *tenebrella* DIETZ, Trans. Am. Ent. Soc., xxvii, 116, 1900. Pa.
- *5953. *minnicella* DIETZ, Trans. Am. Ent. Soc., xxvii, 116, 1900. Ga.
5954. *grisella* DIETZ, Trans. Am. Ent. Soc., xxvii, 116, 1900. Pa., Mo., S. Dak.
- *5955. *fuscossuffusella* DIETZ, Trans. Am. Ent. Soc., xxvii, 117, 1900. Mo.

5956. *ochrocomella* CLEMENS, Proc. Ent. Soc. Phil., ii, 126, 1864; Tin. No. Am., 232, 1872; DIETZ, Trans. Am. Ent. Soc., xxvii, 117, 1900. Atl. States.
 syn. *murtfeldtella* CHAMBERS, Can. Ent., vi, 50, 1874; *ochrocomella* DIETZ.
- *5957. *canariella* DIETZ, Trans. Am. Ent. Soc., xxvii, 118, 1900. Cal.
- *5958. *discopunctella* DIETZ, Trans. Am. Ent. Soc., xxvii, 118, 1900. Pa.
- *5959. *ochreella* CLEMENS, Proc. Ent. Soc. Phil., ii, 126, 1864; Tin. No. Am., 232, 1872; DIETZ, Trans. Am. Ent. Soc., xxvii, 118, 1900. Atl. States.
- *5960. *fenyesselia* DIETZ, Trans. Am. Ent. Soc., xxvii, 119, 1900. Cal.

PSEUDOPIGRITIA Dietz.

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5961. *dorsomaculella* DIETZ, Trans. Am. Ent. Soc., xxvii, 112, 1900. Pa.
5962. *equitella* DIETZ, Trans. Am. Ent. Soc., xxvii, 112, 1900. Pa.
- *5963. *fraternella* DIETZ, Trans. Am. Ent. Soc., xxvii, 113, 1900. Pa.
- *5964. *argyreella* DIETZ, Trans. Am. Ent. Soc., xxvii, 113, 1900. Pa.

HYPATIMA Hübner.

HÜBNER, Verz. bek. Schmett., 415, 1816.

- *5965. *subsenella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 302, 1873. Tex.
- *5966. *confectella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 303, 1873. Tex.

BLASTOBASIS Zeller.

ZELLER, Linn. Ent., x, 171, 1855; Verh. zool.-bot. Ges. Wien, xxiii, 295, 1873; WALSINGHAM, Proc. Zool. Soc. Lond., 91, 1897.

5967. *guilandinæ* BUSCK, Proc. U. S. Nat. Mus., xxiii, 234, 1900. Fla.
- *5968. *sciaphiella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 295, 1873; CHAMBERS, Can. Ent., ix, 71, 1877; BUSCK, Jn. N. Y. Ent. Soc., x, 96, 1902. Tex.
- *5969. *subtractella* WALKER, Cat. Brit. Mus., xxix, 592, 1864. Nova Scotia.

HOLCOERA Clemens.

CLEMENS, Proc. Ent. Soc. Phil., ii, 121, 1863.

5970. *chalcofrontella* CLEMENS, Proc. Ent. Soc. Phil., ii, 122, 1863; Tin. No. Am., 226, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 95, 1873; CHAMBERS, Can. Ent., iv, 65, 1872; vi, 246, 1874; Cin. Quart. Jn. Sci., ii, 256, 1875. Atl. States.
- *5971. *fluxella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 301, 1873. Tex.
5972. *gigantella* CHAMBERS, Can. Ent., viii, 219, 1876; Bull. Geol. Surv. Terr., iii, 149, 1877. Col.
- *5973. *gilbociliella* CLEMENS, Proc. Ent. Soc. Phil., ii, 122, 1863; Tin. No. Am., 227, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 95, 1873. Atl. States.
5974. *iceryæella* RILEY, Rept. Comm. Agr., 1886, 485, 1887. Australia.
- *5975. *modestella* CLEMENS, Proc. Ent. Soc. Phil., ii, 122, 1863; Tin. No. Am., 229, 1872. Atl. States.
- *5976. *purpurocomella* CLEMENS, Proc. Ent. Soc. Phil., ii, 122, 1863; Tin. No. Am., 229, 1872. Atl. States.
5977. *quisquiliella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 298, 1873. Tex.
- *5978. *rectella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 297, 1873. Tex.
5979. *glandulella* RILEY, Can. Ent., iii, 18, 1871; iv, 17, 38, 62, 65, 1872; Rep. Ins. Mo., iv, 144, 1871; CHAMBERS, Cin. Quart. Jn. Sci., ii, 256, 1875. Atl. States.
- *5980. *nubilella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 297, 1873; xxv, 345, 1875; WALSINGHAM, Trans. Am. Ent. Soc., x, 191, 1882. Tex.
- *5981. *triangularisella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 256, 1875; Can. Ent., ix, 71, 1877. Ky.
- *5982. *livorella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 299, 1873. Tex.
syn. *livolella* RILEY, Smith's List Lep. Bor. Am., 104, 1891.
- *5983. *fuscopulvella* CHAMBERS, Bull. U. S. Geol. Surv., iv, 132, 1878 (not described).^a (Unknown.)
- *5984. *fractilinea* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 298, 1873. Tex.

^aChambers credits Clemens with this species, but I have not found it in his writings.

- *5985. *clemensella* CHAMBERS, Can. Ent., vi, 246, 1874. Tex.
 5986. *maligemmella* MURTFELDT, Mo. Agr. Exp. Sta.,
 Bull. 42, 1898; STEDMAN, Can. Ent., xxx, 109,
 1898; BUSCK, Jn. N. Y. Ent. Soc., x, 96, 1902. Mo.,
 Kans.

Family ELACHISTIDÆ.

COLEOPHORA Hübner.

HÜBNER, Tent., 1806; CLEMENS, Tin. No. Am., 210, 1872.

- *5989. *accordella* WALSINGHAM, Trans. Ent. Soc. Lond.,
 436, 1882. Cal.
 *5990. *æneusella* CHAMBERS, Can. Ent., vi, 128, 1874. Ky.
 syn. *æmusella* RILEY, Smith's List Lep. Bor.
 Am., 105, 1891; *æmusella* CHAMBERS, Bull.
 Geol. Surv. Terr., iv, 135, 1878.
 *5991. *acutipennella* WALSINGHAM, Trans. Ent. Soc.
 Lond., 440, 1882. Cal.
 *5992. *albacostella* CHAMBERS, Can. Ent., vii, 95, 1875; Tex.
 Bull. Geol. Surv. Terr., iv, 93, 1878.
 *5993. *argentialbella* CHAMBERS, Can. Ent., vi, 128, 1874; Ky.
 x, 112, 1878.
 *5994. *chambersella* DYAR. Col.
 syn. *artemisiocollella* CHAMBERS (not BRUAND),
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 5995. *atriplicivora* COCKERELL, Ann. Mag. Nat. Hist., N. Mex.
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 5996. *auropurplella* CHAMBERS, Can. Ent., vi, 130, Can.
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 *5997. *basistrigella* CHAMBERS, Bull. Geol. Surv. Terr., Col.
 iii, 133, 1877.
 5998. *bella* WALSINGHAM, Trans. Ent. Soc. Lond., 439, Cal.
 1882.
 *5999. *biminimaculella* CHAMBERS, Bull. Geol. Surv. Tex.
 Terr., iv, 94, 1878.
 *6000. *bipunctella* WALSINGHAM, Trans. Ent. Soc. Lond., Tex.
 440, 1882.
 6001. *bistrigella* CHAMBERS, Can. Ent., vii, 75, 1875; Tex.,
 ix, 14, 72, 1877; x, 112, 1878; Jn. Cin. Soc. Nat. Col.
 Hist., ii, 7, 1880; Bull. Geol. Surv. Terr., iii, 133,
 1877.
 *6002. *cænospennella* CLEMENS, Proc. Acad. Nat. Sci. Pa.
 Phil., 5, 1860; Tin. No. Am., 88, 1872.

6003. *caryæfoliella* CLEMENS, Proc. Ent. Soc. Phil., i, Pa.
78, 1861; Tin. No. Am., 166, 1872; CHAMBERS,
Can. Ent., x, 112, 1878.
syn. *rufoluceella* CHAMBERS, Can. Ent., vi, 129,
1874.
- *6004. *castipennella* WALSINGHAM, Trans. Ent. Soc. Cal.
Lond., 441, 1882.
- *6005. *cerasivorella* PACKARD, Seventeenth Ann. Rept. Mass.
Mass. Bd. Agr., 239, 1870. Mass.
6006. *cæspititiella* ZELLER, Isis, 208, 1839; STAUDINGER Eur.,
& REBEL, Cat. Lep. Eur., ii, no. 3845, 1901. Ky.
syn. *sternipennella* ZETTERSTEDT, *lacunæcolella*
DUPONCHEL, *citivochrella* CHAMBERS, Can.
Ent., vi, 129, 1874; *cispiticella* HULST,
Ent. Amer., vi, 40, 1890; *cæspititiella* RILEY,
Smith's List Lep. Bor. Am., 105, 1891.
6007. *cinerella* CHAMBERS, Bull. Geol. Surv. Terr., iv, Ky.
93, 1878.
- *6008. *concolorella* CLEMENS, Proc. Ent. Soc. Phil., ii, Pa.
6, 1863; Tin. No. Am., 211, 1872; CHAMBERS,
Can. Ent., vi, 129, 1874.
6009. *cornella* WALSINGHAM, Trans. Ent. Soc. Lond., Cal.
432, 1882.
6010. *spissicornis* HAWORTH, Lep. Brit., 537, 1829; Atl. States,
STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. Eur.
3680, 1901.
syn. *fabriciella* VILLIERS, *mayrella* ZELLER,
trochilipennella COSTA, *corruscipennella*
CLEMENS, Proc. Acad. Nat. Sci. Phil., 4,
1860; Tin. No. Am., 88, 1872; ZELLER, Verh.
zool.-bot. Ges. Wien, xxiii, 311, 1873.
- *6011. *corylifoliella* CLEMENS, Proc. Ent. Soc. Phil., i, Pa.
79, 1863; Tin. No. Am., 166, 1872.
- *6012. *cratipennella* CLEMENS, Proc. Ent. Soc. Phil., iii, Pa.
506, 1864; Tin. No. Am., 258, 1872.
- *6013. *cretaticostella* CLEMENS, Proc. Acad. Nat. Sci. Pa.
Phil., 5, 1860; Tin. No. Am., 89, 1872; CHAM-
BERS, Can. Ent., vii, 124, 1875.
- *6014. *currucipennella* ZELLER, Isis, 207, 1839; STAU- Eur.,
DINGER & REBEL, Cat. Lep. Eur., ii, no. 3791, Atl. States.
1901; WALSINGHAM, Trans. Ent. Soc. Lond., 430,
1882.
syn. *tristrigella* HEINEMANN & WOCKE.
- *6015. *discostrinata* WALSINGHAM, Trans. Ent. Soc. Cal.
Lond., 435, 1882.

- *6016. *fletcherella* FERNALD, Can. Ent., xxiv, 122, 1892; Can.
FLETCHER, Rept. Exp. Farms, 1891, 196, 1892;
SLINGERLAND, Bull. 92, Corn. Exp. Sta., 1895.
6017. *fagicosticella* CHAMBERS, Can. Ent., vi, 129, 1874; Ky.
x, 111, 1878.
syn. *fagicorticella* CHAMBERS, Bull. Geol.
Surv., iv, 135, 1878; *fragicorticella* RILEY,
Smith's List Lep. Bor. Am., 106, 1891.
- *6018. *fuscotrīgella* CHAMBERS, Bull. Geol. Surv., iv, Tex.
93, 1878.
6019. *gigantella* CHAMBERS, Can. Ent., vi, 128, 1874; Can.
x, 110, 1878.
6020. *glaucella* WALSINGHAM, Trans. Ent. Soc. Lond., Cal.
433, 1882.
- *6021. *infuscatella* CLEMENS, Proc. Acad. Nat. Sci. Phil., Pa.
5, 1860; Tin. No. Am., 89, 1872.
- *6022. *inornatella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., Tex.
ii, 185, 1879.
- *6023. *irroratella* WALSINGHAM, Trans. Ent. Soc. Cal.
Lond., 434, 1882.
- *6024. *laricella* HÜBNER, Schin. Eur., 427, 1827; Eur.,
STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3633, U. S.?
1901.
syn. *laricinella* RATZEBURG.
- *6025. *laticornella* CLEMENS, Proc. Acad. Nat. Sci. Phil., Pa.
5, 1860; Tin. No. Am., 88, 1872.
- *6026. *leucochrysellā* CLEMENS, Proc. Ent. Soc. Phil., Pa.
ii, 6, 1863; Tin. No. Am., 211, 1872; WALSING-
HAM, Trans. Am. Ent. Soc., x, 194, 1882.
- *6027. *lineapulvella* CHAMBERS, Can. Ent., x, 111, 1878. Ky.
6028. *lynosyridella* WALSINGHAM, Trans. Ent. Soc. Cal.
Lond., 437, 1882.
6029. *luteocostella* CHAMBERS, Cin. Quart. Jn. Sci., ii, Col.
294, 1875; Bull. Geol. Surv. Terr., iii, 133, 1877.
syn. *argentella* CHAMBERS, Can. Ent., x, 112,
1878; *argentialbella* CHAMBERS (not CHAM-
BERS), Can. Ent., vii, 75, 1875; Bull. Geol.
Surv. Terr., iii, 133, 1877.
6030. *malivorella* RILEY, Rept. Comm. Agr., 48, 1878; Atl.
WALSINGHAM, Trans. Am. Ent. Soc., x, 194, 1882. States.
syn. *multipulvella* CHAMBERS, Bull. U. S. Geol.
Surv. Terr., iv, 93, 1878.

- *6031. *nigralineella* CHAMBERS, Can. Ent., viii, 172, 1876. Ky.
 syn. *nigerlinella* CHAMBERS, Bull. Geol. Surv., iv, 136, 1878.
6032. *nigrostriata* WALSINGHAM, Trans. Ent. Soc. Lond., 438, 1882. Oreg.
- *6033. *ochrella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 94, 1878. Ky.
- *6034. *pruniella* CLEMENS, Proc. Ent. Soc. Phil., i, 79, 1861; Tin. No. Am., 167, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 309, 1873. Atl. States.
 syn. *occidentis* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 309, 1873; *occidentalis* RILEY, Smith's List Lep. Bor. Am., 106, 1891.
6035. *ochrostriata* WALSINGHAM, Trans. Ent. Soc. Lond., 437, 1882. Cal.
6036. *octagonella* WALSINGHAM, Trans. Ent. Soc. Lond., 431, 1882. Fla.
- *6037. *ostryæ* CLEMENS, Proc. Ent. Soc. Phil., i, 79, 1861; Tin. No. Am., 167, 1872. Atl. States.
6038. *portulacæ* COCKERELL, Ann. Mag. Nat. Hist., (7), ii, 328, 1898. N. Mex.
- *6039. *quadrilineella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 94, 1878. Ky.
- *6040. *querciella* CLEMENS, Proc. Ent. Soc. Phil., i, 80, 1861; Tin. No. Am., 168, 1872. Pa.
- *6041. *rosacella* CLEMENS, Proc. Ent. Soc. Phil., ii, 426, 1864; Tin. No. Am., 251, 1872; PACKARD, Guide Stud. Ins., 350, 1869. Pa.
- *6042. *rosæfoliella* CLEMENS, Proc. Ent. Soc. Phil., ii, 426, 1864; Tin. No. Am., 250, 1872; PACKARD, Guide Stud. Ins., 350, 1869. Atl. States.
- *6043. *shaleriella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 116, 1875. Ky.
- *6044. *sparsipulvella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 294, 1875; Bull. Geol. Surv. Terr., iii, 133, 1877. Col.
6045. *suædicola* COCKERELL, Ann. Mag. Nat. Hist., (7), ii, 403, 1898. N. Mex.
- *6046. *tenuis* WALSINGHAM, Trans. Ent. Soc. Lond., 436, 1882. Cal.
- *6047. *texanella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 93, 1878. Tex.

- *6048. *tiliæfoliella* CLEMENS, Proc. Ent. Soc. Phil., i, 79, Pa.
1861; Tin. No. Am., 168, 1872.
6049. *trilineella* CHAMBERS, Can. Ent., vii, 95, 1875. Ky.
- *6050. *unicolorella* CHAMBERS, Can. Ent., vi, 129, 1874; x, Ky.
111, 1878.
- *6051. *veroniæella* CHAMBERS, Can. Ent., x, 114, 1878. Ky., Mo.
- *6052. *viburnella* CLEMENS, Proc. Ent. Soc. Phil., i, 79, Pa.
1861; Tin. No. Am., 167, 1872.
- *6053. *viridicuprella* WALSINGHAM, Trans. Ent. Soc. Cal.,
Lond., 432, 1882. Oreg.
6054. *viscidiflorella* WALSINGHAM, Trans. Ent. Soc. Cal.
Lond., 439, 1882.
- *6055. *wythiæ* WALSINGHAM, Trans. Ent. Soc. Lond., Cal.
434, 1882.
- *6056. *zelleriella* CHAMBERS, Can. Ent., vi, 128, 1874. Ky.

COLEOTECHNISTES Chambers.

CHAMBERS, Rept. Dept. Agr., 206, 1879.

6057. *citriella* CHAMBERS, Rept. Dept. Agr., 206, 1879. Fla.

BATRACHETRA Stainton.

STAINTON, Ins. Brit., Tin., iii, 230, 1854; CLEMENS, Tin. No. Am., 264, 1872.

- *6058. *præangusta* HAWORTH, Ins. Brit., iii, 230, 1854; Eur.
STAUDINGER & REBEL, Cat. Lep. Eur., ii, no.
3460, 1901; CHAMBERS, Bull. Geol. Surv. Terr.,
iii, 134, 1877; Can. Ent., ix, 145, 1877.
6059. *rileyi* WALSINGHAM, Trans. Am. Ent. Soc., x, 198, Gulf
1882. States.
6060. *salicipomonella* CLEMENS, Proc. Ent. Soc. Phil., Atl.
v, 142, 1867; vi, 273, 1868; Tin. No. Am., 265, States.
1872; ZELLER, Verh. zool.-bot. Ges. Wien,
xxiii, 313, 1873; PACKARD, Guide Stud. Ins., 352,
1869; CHAMBERS, Can. Ent., ix, 145, 1877.
6060. 1. *striolata* ZELLER, Verh. zool.-bot. Ges. Wien, Tex.
xxiii, 313, 1873.
syn. *pulvella* CHAMBERS, Can. Ent., viii, 171,
1876; *clemensella* CHAMBERS, Bull. Geol.
Surv. Terr., iii, 134, 1877; Can. Ent., ix,
146, 1877.

COSMOPTERYX Hübner.

HÜBNER, Verz. bek. Schmett., 424, 1816; CLEMENS, Tin. No. Am., 99, 1872.

- *6061. *chalybæella* WALSINGHAM, Ins. Life, i, 289, 1889. Tex.

- *6062. *clemensella* STAINTON, Tin. No. Am., 39, 100, 1872; Ent. Week. Int., ix, 31, 1860; FREY & BOLL, Stett. ent. Zeit., xxxvii, 214, 1876. Pa. ?
- *6063. *delicatella* WALSINGHAM, Ins. Life, i, 290, 1889. N. C.
- *6064. *fernaldella* WALSINGHAM, Trans. Am. Ent. Soc., (Unknown.) x, 197, 1882.
6065. *floridanela* BEUTENMÜLLER, Ent. Amer., v, 10, 1889. Fla.
syn. *nigrapunctella* BUSCK, Proc. U. S. Nat. Mus., xxiii, 235, 1900.
6066. *gemmiferella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 10, 1860; Tin. No. Am., 99, 1872; CHAMBERS, Cin. Quart. Jn. Sci., ii, 231, 1875; FREY & BOLL, Stett. ent. Zeit., xxxvii, 214, 1876; WALSINGHAM, Proc. Zool. Soc. Lond., 536, 1891. Atl. States.
6067. *ipomœæ* BUSCK, Proc. U. S. Nat. Mus., xxiii, 235, 1900; DYAR, Proc. Ent. Soc. Wash., iv, 478, 1901. Fla.
6068. *attenuatella* WALKER, Cat. Brit. Mus., xxx, 1019, 1864; WALSINGHAM, Proc. Zool. Soc. Lond., 105, 1897. So. States.
syn. *lespedezæ* WALSINGHAM, Trans. Am. Ent. Soc., x, 198, 1882; Proc. Zool. Soc. Lond., 536, 1891.
6069. *minutella* BEUTENMÜLLER, Ent. Amer., v, 10, 1889. Fla.
- *6070. *montisella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 297, 1875; Bull. Geol. Surv. Terr., iii, 124, 1877. Col.
- *6071. *nitens* WALSINGHAM, Ins. Life, i, 289, 1899. Tex.
6072. *pulcherrimella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 231, 1875; WALSINGHAM, Ins. Life, i, 289, 1889. Ky.
- *6073. *quadrilineella* CHAMBERS, Bull. Geol. Sur. Terr., iv, 95, 1878; WALSINGHAM, Ins. Life, i, 290, 1889. Tex.
- *6074. *unicolorella* WALSINGHAM, Ins. Life, i, 291, 1889. Cal.

SCELORTHUS Busck.

Busck, Jn. N. Y. Ent. Soc., viii, 239, 1901.

6075. *pisoniella* BUSCK, Jn. N. Y. Ent. Soc., viii, 240, 1901. Fla.

ELACHISTA Treitschke.

TREITSCHKE, Schm. Eur., ix, 2, 177, 1833; CLEMENS, Tin. No. Am., 255, 1872; *Cosmoites* CLEMENS, Proc. Acad. Nat. Sci. Phil., 8, 1860.

- *6076. *albapalpella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 294, 1880. Mass.

- *6077. *duplicatella* DYAR. Tex.
syn. *bicristatella* CHAMBERS (not CHAMBERS),
Jn. Cin. Soc. Nat. Hist., ii, 187, 1879.
- *6078. *brachyelytrifoliella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 425, 1860; Tin. No. Am., 248, 1872. Pa.
6079. *concolorella* CHAMBERS, Can. Ent., vii, 55, 1875. Ky.
- *6080. *cristatella* CHAMBERS, Can. Ent., viii, 172, 1876. Ky.
- *6081. *illicitella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 9, 1860; Tin. No. Am., 98, 1872; CHAMBERS, Bull. Geol. Surv. Terr., iv, 139, 1878. Pa.
- *6082. *inornatella* CHAMBERS, Can. Ent., vii, 93, 1875. Ky.
- *6083. *maculosella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 9, 1860; Tin. No. Am., 98, 1872; CHAMBERS, Bull. Geol. Surv., iv, 139, 1878. Pa.
- *6084. *madarella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 9, 1860; Tin. No. Am., 98, 1872; CHAMBERS, Bull. Geol. Surv. Terr., iv, 139, 1878. Pa.
- *6085. *metallifera* WALSINGHAM, Trans. Am. Ent. Soc., x, 200, 1882. Mass.?
- *6086. *orichalcella* CLEMENS, Proc. Ent. Soc. Phil., ii, 430, 1864; Tin. No. Am., 256, 1872; PACKARD, Guide Stud. Ins., 352, 1869. Pa.
6087. *parvipulvella* CHAMBERS, Can. Ent., vii, 56, 1875. Ky.
6088. *præmaturella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 172, 1860; Tin. No. Am., 133, 1872; CHAMBERS, Can. Ent., vi, 76, 1874; Bull. Geol. Surv. Terr., iii, 143, 1877. Pa.
- *6089. *pusilla* FREY & BOLL, Stett. ent. Zeit., xxxvii, 215, 1876. Tex.
- *6090. *staintonella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 96, 1878. Tex.
- *6091. *texanella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 96, 1878. Tex.
- *6092. *texanica* FREY & BOLL, Stett. ent. Zeit., xxxvii, 216, 1876. Tex.
- *6093. *unifasciella* CHAMBERS, Can. Ent., vii, 147, 1875. Ky.?
- *6094. *bicristatella* CHAMBERS, Can. Ent., vii, 210, 1875. Ky.
- *6095. *curvilineella* CHAMBERS, Can. Ent., iv, 172, 1872. Ky.

LYMNÆCIA Stainton.

STAINTON, Cat. Brit. Tin., suppl., 4, 1851.

6096. *phragmitiella* STAINTON, Cat. Brit. Tin., suppl., 4, 1851; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3592, 1901; MEYRICK, Hand. Brit. Lep., 675, 1895; BUSCK, Proc. Ent. Soc. Wash., iv, 421, 1901. Atl. States, Eur.

LITHARIAPTERYX Chambers.

CHAMBERS, Can. Ent., viii, 217, 1876; Jn. Cin. Soc. Nat. Hist., ii, 203, 1880.

6097. *abroniæella* CHAMBERS, Can. Ent., viii, 217, 1876; Bull. Geol. Surv. Terr., iii, 124, 149, 1877; DYAR, Proc. U. S. Nat. Mus., xxv, 410, 1902. Col.

LAMPROLOPHUS Busck.

BUSCK, Jn. N. Y. Ent. Soc., viii, 241, 1900.

6098. *lithella* BUSCK, Jn. N. Y. Ent. Soc., viii, 241, 1900. Fla.

HELIODINES Stainton.

STAINTON, Ins. Brit. Lep., 243, 1854; WALSINGHAM, Ins. Life, iv, 384, 1892; Proc. Zool. Soc. Lond., 108, 1897.

6099. *bella* CHAMBERS, Can. Ent., vii, 73, 1875; ix, 72, 1877; Bull. Geol. Surv. Terr., iii, 114, 1877; WALSINGHAM, Ins. Life, iv, 384, 1892. Ky., Tex., Col., Cal.
- *6100. *extraneella* WALSINGHAM, Proc. Zool. Soc. Lond., 323, 1881; Ins. Life, iv, 385, 1892. Cal.
- *6101. *sexpunctella* WALSINGHAM, Ins. Life, iv, 385, 1892. Ariz.
- *6102. *tripunctella* WALSINGHAM, Ins. Life, iv, 384, 1892. Tex.
- *6103. *unipunctella* WALSINGHAM, Ins. Life, iv, 385, 1892. Cal.

SCYTHRIS Hübner.

HÜBNER, Verz. bek. Schmett., 414, 1816; MEYRICK, Handb. Brit. Lep., 685, 1895; *Galanthia* HÜBNER, Verz. bek. Schmett., 417, 1816; *Butalis* TREITSCHKE, Schm. Eur., ix, 2, 108, 1833.

6104. *albapennella* CHAMBERS, Can. Ent., vii, 11, 1875. Tex.
6105. *albilineata* WALSINGHAM, Ins. Life, i, 116, 1888. Ariz.
- *6106. *aterrimella* WALKER, Cat. Brit. Mus., xxix, 590, 1864. Can.

6107. *basilaris* ZELLER, Linn. Ent., x, 230, 1855; STANTON, Tin. No. Am., 40, 1872; WALSINGHAM, Ins. Life, i, 114, 1888. Atl. States.
syn. *flavifrontella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 169, 1860; Tin. No. Am., 126, 1872; CHAMBERS, Can. Ent., vi, 8, 1874; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 292, 1873.
6108. *eboracensis* ZELLER, Linn. Ent., x, 205, 1855; Verh. zool.-bot. Ges. Wien, xxiii, 294, 1873. N. Y., Tex.
- *6109. *fuscicomella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 169, 1860; Tin. No. Am., 126, 1872; CHAMBERS, Can. Ent., vi, 8, 1874; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 292, 1873. Pa.
6110. *impositella* ZELLER, Linn. Ent., x, 241, 1855; WALSINGHAM, Ins. Life, i, 113, 1888. Atl. States.
syn. *matutella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 169, 1860; Tin. No. Am., 40, 127, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 292, 1873; WALSINGHAM, Ins. Life, i, 113, 1888; *monstratella* WALKER, Cat. Brit. Mus., xxix, 594, 1864; WALSINGHAM, Ins. Life, i, 113, 1888; *dorsipallidella* CHAMBERS, Can. Ent., vii, 10, 1875; *buristriga* CHAMBERS, Can. Ent., vii, 10, 1875; *brevistriga* CHAMBERS, Bull. Geol. Surv. Terr., iv, 93, 133, 1878; *brevistrigella* CHAMBERS, Can. Ent., vii, 54, 1875; *immaculatella* CHAMBERS, Can. Ent., vii, 10, 1875; Bull. Geol. Surv. Terr., iii, 144, 1877.
6111. *ochristriata* WALSINGHAM, Ins. Life, i, 115, 1888. Cal.
6112. *perspicelella* WALSINGHAM, Ins. Life, i, 114, 1888. Cal.
- *6113. *pilosella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 293, 1873. Mass.
6114. *plausipennella* CHAMBERS, Can. Ent., vii, 10, 1875. Tex.
syn. *planipennella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 134, 1878.
6115. *suffusa* WALSINGHAM, Ins. Life, i, 114, 1888. Cal.
6116. *trivinetella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 292, 1873; CHAMBERS, Bull. Geol. Surv. Terr., iv, 93, 1878. Tex.
- HELIOZELA Herrich-Schaeffer.
- HERRICH-SCHAEFFER, Schmett. Eur., v, 56, 1855.
6117. *æsella* CHAMBERS, Can. Ent., ix, 108, 1877. Ky.
- *6118. *gracilis* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 314, 1873. Tex.

IDIOGLOSSA Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 272, 1881; *Idiostoma* MURTFELDT, Can. Ent., xv, 139, 1883; *Metamorphia* FREY & BOLL (not HÜBNER), Stett. ent. Zeit., xxxix, 277, 1878; WALSINGHAM, Can. Ent., xv, 239, 1883.

6119. *miraculosa* FREY & BOLL, Stett. ent. Zeit., xxxix, 278, 1878. Tex.

syn. *americella* WALSINGHAM, Trans. Am. Ent. Soc., x, 199, 1882.

ANTISPILA Hübner.

HÜBNER, Verz. bek. Schmett., 419, 1816.

6120. *ampelopsiella* CHAMBERS, Can. Ent., vi, 168, 197, 1874; ix, 195, 1877; xi, 126, 1879. Ky.

*6121. *cornifoliella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 11, 1860; Tin. No. Am., 103, 1872; CHAMBERS, Can. Ent., vi, 166, 170, 198, 1874; FREY & BOLL, Stett. ent. Zeit., xxxix, 253, 1878; CHAMBERS, Psyche, iii, 63, 1880. Atl. States.

6122. *eugeniella* BUSCK, Proc. U. S. Nat. Mus., xxiii, 236, 1900. Fla.

*6123. *hydrangiæella* CHAMBERS, Can. Ent., vi, 170, 1874; ix, 195, 1877; xi, 126, 1879. Ky.

6124. *isabella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 209, 1860; Tin. No. Am., 142, 1872; CHAMBERS, Can. Ent., vi, 167, 198, 1874. Pa.

syn. *issabella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 129, 1878.

6125. *nyssæfoliella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 11, 1860; Tin. No. Am., 102, 1872; CHAMBERS, Psyche, iii, 63, 1880. Atl. States.

*6126. *viticordifoliella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 209, 1860; Tin. No. Am., 142, 1872; CHAMBERS, Can. Ent., vi, 169, 198, 1874; FREY & BOLL, Stett. ent. Zeit., xxxix, 253, 1878; CHAMBERS, Psyche, iii, 63, 1880. Atl. States.

STILBOSIS Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 170, 1860; Tin. No. Am., 40, 129, 1827.

6127. *tesquella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 170, 1860; WALSINGHAM, Trans. Am. Ent. Soc., x, 197, 1882. Atl. States.

syn. *quinquecrystalata* CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 293, 1880; *tesquatella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 162, 1878.

CYCLOPLASIS Clemens.

CLEMENS, Proc. Ent. Soc. Phil., ii, 420, 1864; Tin. No. Am., 246, 1872; WALSINGHAM, Proc. Zool. Soc. Lond., 143, 1897.

6128. *panicifoliella* CLEMENS, Proc. Ent. Soc. Phil., ii, 422, 1864; Tin. No. Am., 248, 1872; DYAR, Proc. Ent. Soc. Wash., iv, 479, 1901. Atl. States, Fla.

ÆTIA Chambers.

CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 186, 1879.

- *6129. *bipunctella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 187, 1879. Tex.

THEISOA Chambers.

CHAMBERS, Can. Ent., vi, 75, 1874.

- *6130. *constrictella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 291, 1873; CHAMBERS, Bull. Geol. Surv. Terr., iv, 165, 1878. Tex.

syn. *bifasciella* CHAMBERS, Can. Ent., vi, 75, 1874; vii, 93, 1875; ix, 24, 1877.

- *6131. *multifasciella* CHAMBERS, Can. Ent., vii, 93, 1875. Tex.

CHRYSOPELEIA Chambers.

CHAMBERS, Can. Ent., vi, 72, 1874; *Eoa* CHAMBERS, Can. Ent., vi, 73, 1874.

- *6132. *ostryæella* CHAMBERS, Can. Ent., vi, 74, 1874; viii, 172, 1876; xi, 9, 1879. Ky.

- *6133. *purpuriella* CHAMBERS, Can. Ent., vi, 73, 1874; xi, 9, 1879; Psyche, iii, 64, 1880. Ky.

- *6134. *quadricristatella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 186, 1879. Tex.

ERIPHIA Chambers.^a

Eriphia CHAMBERS (not LATREILLE), Can. Ent., vii, 55, 1875.

- *6135. *concolorella* CHAMBERS, Can. Ent., vii, 55, 94, 1875; Bull. Geol. Surv. Terr., iii, 137, 1877. Ky.

- *6136. *albalineella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 95, 1878. Tex.

- *6137. *nigrilineella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 96, 1878. Tex.

COPTODISCA Walsingham.

WALSINGHAM, Ent. Mo. Mag., xxxi, 41, 1895; Proc. Zool. Soc. Lond., 143, 1897; *Aspidisca* CLEMENS (not EHRENBERG), Proc. Acad. Nat. Sci. Phil., 209, 1860; Tin. No. Am., 143, 1872.

6138. *diospyriella* CHAMBERS, Can. Ent., vi, 217, 1874. Ky.

^a Probably a synonym of *Mompha*.—AGG. BUSCK.

6139. *condaliæ* BUSCK, Proc. U. S. Nat. Mus., xxiii, 242, 1900. Fla.
6140. *ella* CHAMBERS, Can. Ent., iii, 224, 1871; vi, 152, 218, 1874. Ky.
6141. *lucifuella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 209, 1860; Tin. No. Am., 143, 1872; CHAMBERS, Can. Ent., iii, 224, 1871; vi, 218, 1874; Psyche, iii, 64, 1880. Pa.
- *6142. *juglandiella* CHAMBERS, Can. Ent., vi, 151, 218, 1874. Ky.
- *6143. *ostryæfoliella* CLEMENS, Proc. Ent. Soc. Phil., i, 82, 1861; Tin. No. Am., 171, 1872. Pa.
6144. *saliciella* CHAMBERS, Proc. Ent. Soc. Phil., i, 82, 1861; Tin. No. Am., 171, 1872; CHAMBERS, Psyche, iii, 147, 1880. Pa.
6145. *splendoriferella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 12, 1860; Tin. No. Am., 105, 1872; CHAMBERS, Can. Ent., iii, 23, 1871; v, 50, 1873; vi, 149, 219, 1874; STANTON, Ent. Mo. Mag., ix, 18, 1872. Pa.
- syn. *pruniella* CLEMENS, Proc. Ent. Soc. Phil., i, 82, 1861; *saccatella* PACKARD, Guide Stud. Ins., 355, 1869; CHAMBERS, Can. Ent., iii, 223, 1871.

EPRERMENIA Hübner.

- HÜBNER, Verz. bek. Schmett., 418, 1816; *Chauliodus* TREITSCHKE (not SCHNEIDER), Schm. Eur., ix, 2, 31, 1833.
- *6146. *canicinctella* CLEMENS, Proc. Ent. Soc. Phil., ii, 129, 1863; Tin. No. Am., 236, 1872. Pa.
6147. *pimpinella* MURTFELDT, Can. Ent., xxxii, 162, 1900. Mo.

MOMPHA Hübner.

- HÜBNER, Verz. bek. Schmett., 414, 1816; *Laverna* CURTIS, Brit. Ent., 16, 1839; *Wilsonia* CLEMENS, Proc. Ent. Soc. Phil., iii, 428, 1864.
- *6148. *albella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 295, 1875. Col.
- *6149. *albopalpella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 295, 1875. Col.
- *6150. *argentimaculella* MURTFELDT, Can. Ent., xxxii, 161, 1900. Mo.
- *6151. *bifasciella* CHAMBERS, Can. Ent., viii, 158, 1876. Cal.

6152. *brevivittella* CLEMENS, Proc. Ent. Soc. Phil., ii, 428, 1864; Tin. No. Am., 254, 1872. Atl. States.
- syn. *anotherivorella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 293, 1880; WALSINGHAM, Trans. Am. Ent. Soc., x, 169, 1882; *anothereseminella* CHAMBERS, Can. Ent., viii, 138, 1876; xi, 6, 1879.
- *6153. *circumscriptella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 312, 1873; CHAMBERS, Can. Ent., x, 239, 1878. Tex.
- *6154. *coloradella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 136, 1877. Col.
6155. *decorella* STEPHENS, Ill. Brit. Ent., Haust., iv, 213, 1835; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3580, 1901; WALSINGHAM, Trans. Am. Ent. Soc., x, 196, 1882. Eur., Cal.
- syn. *unifasciella* CHAMBERS, Can. Ent., viii, 159, 1876.
- *6156. *definitella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 311, 1873. Tex.
- syn. *unicristatella* CHAMBERS, Can. Ent., vii, 32, 1875; ix, 74, 1877.
6157. *eloisella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 171, 1860; Tin. No. Am., 131, 1872; CHAMBERS, Can. Ent., ix, 74, 1877; WALSINGHAM, Trans. Am. Ent. Soc., x, 195, 1882. Pa.
- syn. *magnatella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 315, 1873; CHAMBERS, Can. Ent., ix, 73, 1877; *anotherella* CHAMBERS, Can. Ent., vii, 30, 1875; *lyonetiella* CHAMBERS, Can. Ent., vii, 30, 51, 1875.
6158. *erransella* CHAMBERS, Can. Ent., vi, 52, 1874; vii, 52, 1875; ix, 187, 1877. Ky.
- syn. *unomaculella* CHAMBERS, Can. Ent., vii, 94, 1875; xi, 9, 1879.
- *6159. *gleditschiæella* CHAMBERS, Can. Ent., viii, 135, 171, 1876; x, 232, 1878; xiii, 173, 1881; Psyche, iii, 66, 1880. Ky.
- *6160. *grandisella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 296, 1875. Col.
- *6161. *ignobilisella* CHAMBERS, Can. Ent., vii, 33, 51, 1875; xi, 8, 1879. Tex.
6162. *luciferella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 171, 1860; Tin. No. Am., 130, 1872; WALSINGHAM, Trans. Am. Ent. Soc., x, 196, 1882. Pa., Ky.
- syn. *cephalonthiella* CHAMBERS, Can. Ent., iii, 221, 1871; vii, 53, 1875; xi, 10, 1879.

- *6163. *minimella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 294, 1880. Mass.
6164. *murtfeldtella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 237, 1875; Can. Ent., viii, 159, 1876; ix, 13, 1877; xi, 5, 1879. Mo., Col., Tex.
- syn. *albocapitella* CHAMBERS, Can. Ent., vii, 33, 1875; Bull. Geol. Surv. Terr., iii, 144, 1877; *grisswella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 295, 1875; Bull. Geol. Surv. Terr., iii, 141, 1877; *obscurusella* CHAMBERS, Can. Ent., vii, 53, 1875; *parvicristatella* CHAMBERS, Can. Ent., vii, 34, 1875.
6165. *rufocristatella* CHAMBERS, Can. Ent., vii, 33, 1875. Tex.
- *6166. *subiridescens* WALSINGHAM, Trans. Am. Ent. Soc., x, 194, 1882. Lab.
6167. *subbistrigella* HAWORTH, Lep. Brit., 581, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3582, 1901; WALSINGHAM, Trans. Am. Ent. Soc., x, 196, 1882. Eur., Me., Cal.
6168. *sexnotella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 88, 1878; HAGEN, Pap., iv, 99, 1884; BUSCK, Jn. N. Y. Ent. Soc., x, 97, 1902. Tex.

HOMALEDRA Busck.

BUSCK, Proc. U. S. Nat. Mus., xxiii, 237, 1900.

6169. *heptathalama* BUSCK, Proc. U. S. Nat. Mus., xxiii, 237, 1900. Fla.
6169. 1. *sabalella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 7, 1880. Fla.

ENDROSIS Hübner.

HÜBNER, Verz. bek. Schmett., 401, 1816.

6170. *lacteella* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 139, 1776; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3051, 1901. Eur., Cal.
- syn. *kennicotella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 165, 1860; Tin. No. Am., 119, 1872; CHAMBERS, Cin. Quart. Jn. Sci., ii, 244, 1875.

LEUCOPHRYNE Chambers.

CHAMBERS, Can. Ent., vii, 210, 1875.

6171. *tricristatella* CHAMBERS, Can. Ent., vii, 211, 1875. Can.

DOUGLASIA Stainton.

STAINTON, Ins. Brit., Lep. Tin., 179, 1854.

- *6172. *obscurofasciella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 291, 1880. Mass.

AROTURA Walsingham.

WALSINGHAM, Ins. Life, i, 116, 1888.

- 6173.
- eburnea*
- WALSINGHAM, Ins. Life, i, 117, 1888. Ariz.

APHIGALIA Dyar.

Phigalia CHAMBERS (not DUPONCHEL), Can. Ent., vii, 107, 1875.

- *6174. *albella* CHAMBERS, Can. Ent., vii, 107, 1875. Tex.
 *6175. *ochreomacuiella* CHAMBERS, Can. Ent., vii, 107, 1875. Tex.

SCHRECKENSTEINIA Hübner.

HÜBNER, Verz. bek. Schmett., 419, 1816.

6176. *felicella* WALSINGHAM, Pter. Cal. Oreg., 2, 1880. Cal., Oreg.
 6177. *erythriella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 171, 1860; Tin. No. Am., 40, 132, 1872; FREY & BOLL, Stett. ent. Zeit., xxxvii, 214, 1876. Atl. States.
 6178. *festaliella* HÜBNER, Schm. Eur., 449, 1827; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3405, 1901; WALSINGHAM, Pter. Cal. Oreg., 1, 1880; Trans. Am. Ent. Soc., x, 197, 1882; DYAR, Psyche, vii, 252, 1895 (as *basilaris*). No. U. S., Eur.

WALSHIA Clemens.

CLEMENS, Proc. Ent. Soc. Phil., ii, 418, 1864.

6179. *amorphella* CLEMENS, Proc. Ent. Soc. Phil., ii, 419, 1864; Tin. No. Am., 241, 1872; RILEY, Rep. Ins. Mo., ii, 132, 1869; Proc. Ent. Soc. Wash., i, 30, 1886. Atl. States.
 syn. *miscecalonella* CHAMBERS, Can. Ent., vii, 34, 1875; *miscecolorella* CHAMBERS, Can. Ent., vii, 51, 1875; Bull. Geol. Surv. Terr., iii, 144, 1877; WALSINGHAM, Trans. Am. Ent. Soc., x, 197, 1882.

BRACHILOMA Clemens.

CLEMENS, Proc. Ent. Soc. Phil., ii, 126, 1863.

- *6180.
- unipunctella*
- CLEMENS, Proc. Ent. Soc. Phil., ii, 126, 1863; Tin. No. Am., 232, 1872. Pa.

EULYONETIA Chambers.

CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 188, 1879.

- *6181.
- inornatella*
- CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 188, 1879. Tex.

CACELICE Busck.

BUSCK, Jn. N. Y. Ent. Soc., x, 93, 1902.

6182. *permolestella* BUSCK, Jn. N. Y. Ent. Soc., x, 93, 1902. Ky.

Family TINEIDÆ.

NEPTICULA von Heyden.

VON HEYDEN, Berich. Vers. Naturf. Mainz, 201, 1842.

- *6183. *amelanchierella* CLEMENS, Proc. Ent. Soc. Phil., i, 84, 1861; Tin. No. Am., 174, 1872; PACKARD, Guide Stud. Ins., 356, 1869. No. Atl. States.
- *6184. *anguinella* CLEMENS, Proc. Ent. Soc. Phil., i, 85, 1861; Tin. No. Am., 175, 1872. Pa.
- *6185. *apicialbella* CHAMBERS, Can. Ent., v, 127, 1873; Cin. Quart. Jn. Sci., ii, 118, 1875. Ky.
- *6186. *badiocapitella* CHAMBERS, Can. Ent., viii, 160, 1876. Ky.
- *6187. *belfrageella* CHAMBERS, Can. Ent., vii, 75, 1875. Tex.
- *6188. *bifasciella* CLEMENS, Proc. Ent. Soc. Phil., i, 133, 1862; Tin. No. Am., 183, 1872; CHAMBERS, Can. Ent., v, 146, 1873. Pa.
- *6189. *castaneæfoliella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 117, 1875; Psyche, iii, 66, 1880; Jn. Cin. Soc. Nat. Hist., ii, 193, 1879. Ky.
- *6190. *caryæfoliella* CLEMENS, Proc. Ent. Soc. Phil., i, 84, 1861; Tin. No. Am., 174, 1872. Pa.
- *6191. *clemensella* CHAMBERS, Can. Ent., v, 125, 1873. Ky., Pa.
6192. *condaliafoliella* BUSCK, Proc. U. S. Nat. Mus., xxiii, 238, 1900. Fla.
- *6193. *corylifoliella* CLEMENS, Proc. Ent. Soc. Phil., i, 83, 1861; Tin. No. Am., 173, 1872; PACKARD, Guide Stud. Ins., 356, 1869. Pa.
- *6194. *eratægifoliella* CLEMENS, Proc. Ent. Soc. Phil., i, 83, 1861; Tin. No. Am., 173, 1872. Pa.
6195. *dallasiana* FREY & BOLL, Stett. ent. Zeit., xxxvii, 228, 1876. Tex.
- *6196. *fuscocapitella* CHAMBERS, Can. Ent., v, 128, 1873. Ky.

- *6197. *fuscotibiella* CLEMENS, Proc. Ent. Soc. Phil., i, Pa.
133, 1861; Tin. No. Am., 182, 1872; CHAMBERS,
Can. Ent., v, 128, 1873; Cin. Quart. Jn. Sci., ii,
114, 1875.
syn. *cilliaefuscella* CHAMBERS, Can. Ent., v,
128, 1873; Cin. Quart. Jn. Sci., ii, 117, 1875;
furcotibiella RILEY, Smith's List Lep. Bor.
Am., 111, 1891.
- *6198. *grandisella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., Tex.
ii, 193, 1879.
- *6199. *juglandifoliella* CLEMENS, Proc. Ent. Soc. Phil., Pa.
i, 84, 1861; Tin. No. Am., 173, 1872; Bull. Geol.
Surv. Terr., iv, 105, 1878.
- *6200. *latifasciella* CHAMBERS, Bull. Geol. Surv. Terr., Ky.
iv, 106, 1878.
- *6201. *maculosella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., Tex.
ii, 193, 1879.
6202. *maximella* CHAMBERS, Can. Ent., v, 126, 1873. Ky.
- *6203. *minimella* CHAMBERS, Can. Ent., v, 127, 1873. Ky.
6204. *myricafoliella* BUSCK, Proc. U. S. Nat. Mus., Fla.
xxiii, 238, 1900.
- *6205. *nigriverticella* CHAMBERS, Cin. Quart. Jn. Sci., ii, Ky.
118, 1875.
- *6206. *nyssaefoliella* CHAMBERS, Psyche, iii, 66, 1880. Ky.
- *6207. *ochrefasciella* CHAMBERS, Can. Ent., v, 128, 1873. Ky.
- *6208. *ostryæfoliella* CLEMENS, Proc. Ent. Soc. Phil., i, Pa.
83, 1861.
6209. *platanella* CLEMENS, Proc. Ent. Soc. Phil., i, 173, Pa.
183, 1861; v, 146, 1865; CHAMBERS, Can. Ent.,
v, 125, 1873; PACKARD, Guide Stud. Ins., 356,
1869.
- *6210. *platea* CLEMENS, Proc. Ent. Soc. Phil., i, 85, Pa.
1861; Tin. No. Am., 175, 1872.
- *6211. *pomivorella* PACKARD, Am. Nat., vi, 685, 1872; Mass.
Rept. Mass. Agr. Soc., 238, 1870; WALSINGHAM,
Proc. Zool. Soc. Lond., 83, 1880; BUSCK, Can.
Ent., xxxiii, 52, 1901.
- *6212. *populetorum* FREY & BOLL, Stett. ent. Zeit., Tex.
xxxix, 276, 1878.
6213. *prunifoliella* CLEMENS, Proc. Ent. Soc. Phil., i, Pa.
84, 1861; Tin. No. Am., 174, 1872; CHAMBERS,
Can. Ent., v, 127, 1873.
- *6214. *pteliæella* CHAMBERS, Psyche, iii, 137, 1880; 276, Ky.
1881.

- *6215. *quercicastanella* CHAMBERS, Can. Ent., v, 127, 1873; x, 105, 1878; xi, 93, 1879; Psyche, iii, 66, 1880. Ky.
- *6216. *quercipulchrella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 105, 1878. Ky.
- *6217. *resplendensella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 118, 1875. Ky.
- *6218. *rosæfoliella* CLEMENS, Proc. Ent. Soc. Phil., i, 85, 1861; Tin. No. Am., 176, 1872. Pa.
- *6219. *rubifoliella* CLEMENS, Proc. Ent. Soc. Phil., v, 146, 1865; Tin. No. Am., 152, 1872. Pa.
6220. *saginella* CLEMENS, Proc. Ent. Soc. Phil., i, 85, 1861; Tin. No. Am., 175, 271, 1872; CHAMBERS, Can. Ent., xi, 93, 1879. Pa.
- *6221. *serotinæella* CHAMBERS, Can. Ent., v, 126, 1873. Ky.
- *6222. *thoracealbella* CHAMBERS, Can. Ent., v, 127, 1873. Ky.
- *6223. *unifasciella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 119, 1875. Ky.
- *6224. *villosella* CLEMENS, Proc. Ent. Soc. Phil., i, 84, 1861; Tin. No. Am., 174, 1872. Pa.
- *6225. *virginiella* CLEMENS, Proc. Ent. Soc. Phil., i, 83, 1861; Tin. No. Am., 172, 1872. Pa.

TRIFURCULA Zeller.

ZELLER, Linn. Ent., iii, 330, 1848; *Trifurcella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 165, 1878.

- *6226. *obrutella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 316, 1873. Tex.

OPOSTEGA Zeller.

ZELLER, Isis, 214, 1839.

6227. *accessoriella* FREY & BOLL, Stett. ent. Zeit., xxxvii, 216, 1876. Tex.
- *6228. *albogallierella* CLEMENS, Proc. Ent. Soc. Phil., i, 131, 1862; Tin. No. Am., 180, 1872. Pa.
6229. *bosqueella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 106, 1878. Tex.
6230. *nonstrigella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 296, 1880. Ky.
- *6231. *quadristrigella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 106, 1875. Ky.

BUCCULATRIX Zeller.

ZELLER, LIND. Ent., iii, 286, 1848; CLEMENS, Tin. No. Am., 108, 1872.

6232. *albicapitella* CHAMBERS, Can. Ent., vii, 125, 1875. Can.
6233. *ambrosiæfoliella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 119, 1875; Can. Ent., xiv, 153, 1882. Ky.
- *6234. *agnella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 211, 1860; Tin. No. Am., 147, 1872. Pa.
- *6235. *angustata* FREY & BOLL, Stett. ent. Zeit., xxxvii, 218, 1876. Tex.
6236. *canadensisella* CHAMBERS, Can. Ent., vii, 146, 1875. Can.
6237. *capitibella* CHAMBERS, Can. Ent., v, 150, 1873. Ky.
6238. *coronatella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 13, 1860; Tin. No. Am., 109, 1872; CHAMBERS, Can. Ent., v, 151, 1873. Pa.
- *6239. *immaculatella* CHAMBERS, Can. Ent., vii, 54, 1875. Tex.
6240. *ivella* BUSCK, Proc. U. S. Nat. Mus., xxiii, 243, 1900. Fla.
- *6241. *litigiosella* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 354, 1875. Tex.
6242. *luteella* CHAMBERS, Can. Ent., v, 151, 1873; xi, 93, 1879. Ky.
6243. *magnella* CHAMBERS, Can. Ent., vii, 54, 1875. Tex.
- *6244. *niveella* CHAMBERS, Can. Ent., vii, 54, 1875. Tex.
- *6245. *packardella* CHAMBERS, Can. Ent., v, 151, 1873; Cin. Quart. Jn. Sci., ii, 120, 1875. Ky.
6246. *pomifoliella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 211, 1860; Tin. No. Am., 146, 1872; CHAMBERS, Can. Ent., v, 150, 1873; RILEY, Rep. Ins. Mo., iv, 149, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 353, 1875; WALSINGHAM, Trans. Am. Ent. Soc., x, 204, 1882. Atl. States.
- syn. *pomonella* PACKARD, Guide Stud. Ins., 7th ed., 354, 1880; *curvilineatella* PACKARD, Guide Stud. Ins., 354, 1869; CHAMBERS, Can. Ent., iii, 184, 1871.
- *6247. *quinquenotella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 120, 1875. Ky.
- *6248. *rileyi* FREY & BOLL, Stett. ent. Zeit., xxxvii, 219, 1876. Tex.

- *6249. *staintonella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 133, 1878. Col.
- syn. *albella* CHAMBERS (not STANTON), Bull. Geol. Surv. Terr., iii, 141, 1877.
6250. *thuiella* PACKARD, Am. Nat., v, 152, 1871; RILEY, Rep. Ins. Mo., iv, 51, 1872. Atl. States.
6251. *trifasciella* CLEMENS, Proc. Ent. Soc. Phil., v, 147, 1866; Tin. No. Am., 272, 1872; CHAMBERS, Can. Ent., v, 149, 1873; Cin. Quart. Jn. Sci., ii, 120, 1875. Pa.
- syn. *obscurofasciella* CHAMBERS, Can. Ent., v, 150, 1873.
- LITHOCOLLETES Hübner.
- HÜBNER, Verz. bek. Schmett., 423, 1816.
- *6252. *hageni* FREY & BOLL, Stett. ent. Zeit., xxxiv, 208, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 201, 1874; Bull. Geol. Surv. Terr., iv, 100, 1878. Mass. ?
- syn. *necospinusella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 100, 1878.
6253. *fitchella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 207, 1860; Tin. No. Am., 139, 1872; CHAMBERS, Can. Ent., iii, 183, 1871; Cin. Quart. Jn. Sci., i, 207, 1874; PACKARD, Guide Stud. Ins., 353, 1869; CHAMBERS, Bull. Geol. Surv. Terr., iii, 139, 1877; Can. Ent., xi, 90, 1879; FREY & BOLL, Stett. ent. Zeit., xxxix, 26, 1878. Pa.
- syn. *quercifoliella* FITCH, Fifth Rept. Ins. N. Y., 327, 1859; *quercitorum* FREY & BOLL, Stett. ent. Zeit., xxxiv, 207, 1873; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 140, 1875; CHAMBERS, Cin. Quart. Jn. Sci., i, 201, 1874; ii, 229, 1875; Bull. Geol. Surv. Terr., iii, 139, 141, 1877.
6254. *rileyella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 236, 1875; WALSINGHAM, Ins. Life, ii, 25, 1889. Mo.
- syn. *tenuistriqata* FREY & BOLL, Stett. ent. Zeit., xxxvii, 225, 1876; xxxix, 26, 1878.
6255. *insignis* WALSINGHAM, Ins. Life, ii, 117, 1889. Cal.
6256. *clemensella* CHAMBERS, Can. Ent., xi, 91, 1879; WALSINGHAM, Ins. Life, ii, 25, 1889. Ky.
6257. *ludicostella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 318, 1859; Tin. No. Am., 39, 64, 66, 1872; CHAMBERS, Cin. Quart. Jn. Sci., ii, 102, 1875; Can. Ent., iii, 57, 1871. Pa.
- syn. *ludicostella* RILEY, Smith's List Lep. Bor. Am., 109, 1891.

6258. *argentifimbriella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 318, 321, 1859; Tin. No. Am., 39, 64, 70, 1872; CHAMBERS, Can. Ent., iii, 57, 85, 1871; Cin. Quart. Jn. Sci., i, 201, 1874; ii, 229, 1875; FREY & BOLL, Stett. ent. Zeit., xxxiv, 209, 1873; WALSINGHAM, Ins. Life, iii, 325, 1891. Pa.
- syn. *fuscocostella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 102, 1875; WALSINGHAM, Ins. Life, ii, 25, 1889.
6259. *quercialbella* FITCH, Rep. Ins. N. Y., v, 328, 1859; CHAMBERS, Can. Ent., iii, 57, 1871; WALSINGHAM, Ins. Life, ii, 25, 1890; iii, 325, 1891. Atl. States.
- syn. *longirostrata* FREY & BOLL, Stett. ent. Zeit., xxxiv, 209, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 229, 1875; WALSINGHAM, Ins. Life, ii, 25, 1891; *quercibella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 202, 1875; WALSINGHAM, Ins. Life, ii, 77, 1889; *quercipulchella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 120, 1878; PACKARD, Bull. Ent. Comm., vii, 53, 1881; WALSINGHAM, Ins. Life, ii, 77, 1889; *quercipulchella* RILEY, Smith's List Lep. Bor. Am., 109, 1891.
- *6260. *subaureola* FREY & BOLL, Stett. ent. Zeit., xxxix, 262, 1878; WALSINGHAM, Ins. Life, ii, 25, 1889; iii, 325, 1891. Tex.
- *6261. *caryæalbella* CHAMBERS, Can. Ent., iii, 58, 85, 182, 206, 1871. Ky.
- syn. *caryalbella* WALSINGHAM, Ins. Life, iii, 328, 1891.
6262. *lucetiella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 319, 322, 1859; Tin. No. Am., 65, 73, 1872; CHAMBERS, Can. Ent., iii, 56, 1871; WALSINGHAM, Ins. Life, ii, 52, 1889. Pa.
- syn. *zenigmatella* FREY & BOLL, Stett. ent. Zeit., xxxiv, 219, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 206, 1874.
- *6263. *albanotella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 191, 1875. Ky.
6264. *alniella* ZELLER, Linn. Ent., i, 229, 1846; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4118, 1901; FREY & BOLL, Stett. ent. Zeit., xxxiv, 210, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 201, 1874; ii, 229, 1875. Eur., U. S.?

6265. *ostensackenella* FITCH, Rept. Ins. N. Y., v, 338, 1859; CHAMBERS, Can. Ent., iii, 183, 1871. N. Y.
 syn. *ornatella* CHAMBERS, Can. Ent., iii, 161, 1871; iv, 107, 1872; xi, 91, 1879; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 347, 1875; FREY & BOLL, Stett. ent. Zeit., xxxiv, 217, 1873; WALSINGHAM, Ins. Life, ii, 53, 1889.
6266. *gemmea* FREY & BOLL, Stett. ent. Zeit., xxxiv, 218, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 206, 339, 1874; ii, 227, 1875; WALSINGHAM, Ins. Life, ii, 53, 1889. Mass.
6267. *robinella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 318, 1859; 209, 1860; Tin. No. Am., 66, 1872; CHAMBERS, Can. Ent., iii, 54, 87, 163, 183, 185, 1871; iv, 9, 117, 1872; Cin. Quart. Jn. Sci., ii, 228, 1875; Bull. Geol. Surv. Terr., iii, 137, 1877; Jn. Cin. Soc. Nat. Hist., ii, 91, 1879; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 348, 1875; FREY & BOLL, Stett. ent. Zeit., xxxix, 275, 1878. Atl. States.
 syn. *pseudacaciella* FITCH, Rept. Ins. N. Y., v, 335, 1859.
- *6268. *uhlerella* FITCH, Rept. Ins. N. Y., v, 337, 1859; WALSINGHAM, Ins. Life, ii, 53, 1889. Atl. States.
 syn. *amorphæella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 132, 137, 1877; *amorphæa* FREY & BOLL, Stett. ent. Zeit., xxxix, 275, 1878.
6269. *morrisella* FITCH, Rept. Ins. N. Y., v, 336, 1859; WALSINGHAM, Ins. Life, ii, 52, 1889. Atl. States.
 syn. *texanella* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 349, 1875; FREY & BOLL, Stett. ent. Zeit., xxxix, 275, 1878; *amphicarphæella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 137, 1877.
6270. *blancardella* FABRICIUS, Syst. Ent., iii, 327, 1775; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4144, 1901. Atl. States, Eur.
 syn. *pomifoliella* ZELLER, Isis, 218, 1839; WALSINGHAM, Trans. Am. Ent. Soc., x, 202, 1882; *mespilella* HAWORTH, *cratægella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 324, 1859; *deceptusella* CHAMBERS, Can. Ent., xi, 73, 1879.
6271. *faginella* ZELLER, Linn. Ent., i, 204, 1846; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4149, 1901; WALSINGHAM, Ins. Life, iii, 327, 1891. Eur., U. S.
 syn. *triguttella* STANTON.

6272. *incanella* WALSINGHAM, *Ins. Life*, ii, 81, 1889. Cal.
6273. *alnicolella* WALSINGHAM, *Ins. Life*, ii, 80, 1889. Cal.
- *6274. *alni* WALSINGHAM, *Ins. Life*, iii, 326, 1891. Col.
syn. alnivorella CHAMBERS (not RAGONOT),
Cin. Quart. Jn. Sci., ii, 302, 1875; *Bull. Geol. Surv. Terr.*, iii, 139, 1877.
- *6275. *ostryæfoliella* CLEMENS, *Proc. Acad. Nat. Sci. Phil.*, 322, 1859; *Tin. No. Am.*, 67, 71, 1872; CHAMBERS, *Can. Ent.*, iii, 85, 1871; *Cin. Quart. Jn. Sci.*, i, 202, 1874; *Can. Ent.*, xi, 91, 1879; WALSINGHAM, *Ins. Life*, ii, 53, 1889. Atl. States.
syn. mirifica FREY & BOLL, *Stett. ent. Zeit.*, xxxiv, 212, 1873.
- *6276. *minutella* FREY & BOLL, *Stett. ent. Zeit.*, xxxix, 263, 1878. Tex.
6277. *diaphanella* FREY & BOLL, *Stett. ent. Zeit.*, xxxix, 265, 1878. Tex.
- *6278. *scudderella* FREY & BOLL, *Stett. ent. Zeit.*, xxxiv, 212, 1873; CHAMBERS, *Cin. Quart. Jn. Sci.*, ii, 230, 1875; *Bull. Geol. Surv. Terr.*, iv, 156, 1878; *Can. Ent.*, xi, 72, 1879. Atl. States.
- *6279. *obsoleta* FREY & BOLL, *Stett. ent. Zeit.*, xxxiv, 211, 1873; CHAMBERS, *Cin. Quart. Jn. Sci.*, i, 202, 1874. Mass.
syn. obsoletella CHAMBERS, *Bull. Geol. Surv. Terr.*, iv, 155, 1878.
- *6280. *obscuricostella* CLEMENS, *Proc. Acad. Nat. Sci. Phil.*, 321, 1859; *Tin. No. Am.*, 64, 71, 1872; CHAMBERS, *Can. Ent.*, iii, 85, 1871; xi, 92, 1879. Pa.
syn. virginella CHAMBERS, *Can. Ent.*, iii, 84, 1871.
6281. *æripherella* CLEMENS, *Proc. Acad. Nat. Sci. Phil.*, 320, 1859; *Tin. No. Am.*, 64, 68, 1872; CHAMBERS, *Can. Ent.*, iii, 183, 1871; *Cin. Quart. Jn. Sci.*, ii, 104, 1875. Pa.
- *6282. *sexnotella* CHAMBERS, *Jn. Cin. Soc. Nat. Hist.*, ii, 189, 1879. Ky.
6283. *argentinetella* CLEMENS, *Proc. Acad. Nat. Sci. Phil.*, 321, 1859; *Tin. No. Am.*, 66, 78, 1872; CHAMBERS, *Can. Ent.*, iii, 148, 1871; xi, 89, 1879; FREY & BOLL, *Stett. ent. Zeit.*, xxxiv, 214, 1873; CHAMBERS, *Cin. Quart. Jn. Sci.*, i, 202, 1874; ii, 101, 1875. Pa.
- *6284. *occitanica* FREY & BOLL, *Stett. ent. Zeit.*, xxxvii, 224, 1876; xxxix, 270, 1878. Tex.

- *6285. *amœna* FREY & BOLL, Stett. ent. Zeit., xxxix, 269, 1878. Tex.
6286. *celtifoliella* CHAMBERS, Can. Ent., iii, 128, 1871; WALSINGHAM, Ins. Life, ii, 52, 1889. Atl. States.
syn. *nonfasciella* CHAMBERS, Can. Ent., iii, 108, 1871; Cin. Quart. Jn. Sci., i, 201, 1874; *celtisella* CHAMBERS, Can. Ent., iii, 129, 1871; Cin. Quart. Jn. Sci., i, 201, 1874; FREY & BOLL, Stett. ent. Zeit., xxxix, 274, 1878; CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 190, 1879; *pusillifoliella* FREY & BOLL, Stett. ent. Zeit., xxxix, 274, 1878.
6287. *cincinnatiella* CHAMBERS, Can. Ent., iii, 144, 149, 1871; Cin. Quart. Jn. Sci., i, 149, 1874; Bull. Geol. Surv. Terr., iii, 141, 1877. Ohio.
6288. *caryæfoliella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 323, 1859; Tin. No. Am., 65, 74, 1872; CHAMBERS, Can. Ent., iii, 109, 165, 1871; FREY & BOLL, Stett. ent. Zeit., xxxix, 273, 1878. Atl. States.
syn. *juglandiella* CLEMENS, Proc. Ent. Soc. Phil., i, 81, 1861; Tin. No. Am., 170, 1872; CHAMBERS, Can. Ent., iii, 165, 1871; vii, 126, 1875; xi, 91, 1879; PACKARD, Guide Stud. Ins., 353, 1869.
- *6289. *macrocarpella* FREY & BOLL, Stett. ent. Zeit., xxxix, 261, 1878. Tex.
6290. *umbellulariæ* WALSINGHAM, Ins. Life, ii, 78, 1889. Cal.
6291. *gaultheriella* WALSINGHAM, Ins. Life, ii, 79, 1889. Oreg., Cal.
6292. *ledella* WALSINGHAM, Ins. Life, ii, 79, 1889. Cal.
6293. *nemoris* WALSINGHAM, Ins. Life, ii, 116, 1889. Cal.
6294. *ulmella* CHAMBERS, Can. Ent., iii, 148, 1871; Cin. Quart. Jn. Sci., i, 202, 1874; ii, 101, 1875; FREY & BOLL, Stett. ent. Zeit., xxxiv, 214, 1873; WALSINGHAM, Ins. Life, ii, 24, 1889. Atl. States.
syn. *modesta* FREY & BOLL, Stett. ent. Zeit., xxxvii, 274, 1876; xxxix, 274, 1878.
- *6295. *conglomeratella* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 346, 1875; WALSINGHAM, Ins. Life, ii, 24, 1889. Tex.
syn. *bicolorella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 103, 1878; *obtusilobæ* FREY & BOLL, Stett. ent. Zeit., xxxix, 265, 1878.
- *6296. *quercivorella* CHAMBERS, Can. Ent., xi, 145, 1879; WALSINGHAM, Ins. Life, ii, 24, 1889. Ky.
6297. *australisella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 103, 1878. Tex.

6298. *solidaginis* FREY & BOLL, Stett. ent. Zeit., Tex.
xxxvii, 223, 1876.
syn. *solidaginisella* CHAMBERS, Jn. Cin. Soc.
Nat. Hist., ii, 12, 1880.
6299. *grindeliella* WALSINGHAM, Ins. Life, iii, 327, 1891. Cal.
- *6300. *chambersella* WALSINGHAM, Ins. Life, ii, 78, 1889. Tex.
syn. *quinquenotella* CHAMBERS (not FREY),
Jn. Cin. Soc. Nat. Hist., ii, 189, 1879.
6301. *basistrigella* CLEMENS, Proc. Acad. Nat. Sci. Atl.
Phil., 321, 1859; Tin. No. Am., 39, 65, 69, 1872; States.
CHAMBERS, Can. Ent., iii, 48, 166, 182, 1871;
Cin. Quart. Jn. Sci., i, 205, 1874; WALSINGHAM,
Ins. Life, ii, 25, 1889.
syn. *intermedia* FREY & BOLL, Stett. ent.
Zeit., xxxiv, 210, 1873; CHAMBERS, Cin.
Quart. Jn. Sci., ii, 230, 1875.
- *6302. *auronitens* FREY & BOLL, Stett. ent. Zeit., Mass.
xxxiv, 216, 1873.
6303. *desmodiella* CLEMENS, Proc. Acad. Nat. Sci. Phil., Atl.
220, 1859; Tin. No. Am., 65, 68, 1872; CHAM- States.
BERS, Can. Ent., iii, 127, 152, 1871; Jn. Cin.
Soc. Nat. Hist., ii, 189, 1879; WALSINGHAM,
Trans. Am. Ent. Soc., x, 202, 1882.
syn. *gregariella* MURTFELDT, Can. Ent., xiii,
245, 1881; xv, 139, 1883; WALSINGHAM,
Proc. Zool. Soc. Lond., 146, 1897.
6304. *toxicodendri* FREY & BOLL, Stett. ent. Zeit., Tex.
xxxix, 273, 1878.
6305. *aceriella* CLEMENS, Proc. Acad. Nat. Sci. Phil., Pa.
325, 1859; Tin. No. Am., 65, 75, 1872; CHAM-
BERS, Can. Ent., iii, 130, 1871.
6306. *guttifinitella* CLEMENS, Proc. Acad. Nat. Sci. Atl.
Phil., 324, 1859; Tin. No. Am., 65, 76, 1872; States.
CHAMBERS, Can. Ent., iii, 110, 1871; Cin. Quart.
Jn. Sci., i, 201, 1874; Bull. Geol. Surv. Terr.,
iv, 102, 1878; Jn. Cin. Soc. Nat. Hist., ii, 82,
1879.
syn. *vesculisella* CHAMBERS, Can. Ent., iii, 112,
1871; WALSINGHAM, Ins. Life, ii, 52, 1889;
vesculla RILEY, Smith's List Lep. Bor. Am.,
109, 1891.
- *6307. *obstrictella* CLEMENS, Proc. Acad. Nat. Sci. Phil., Pa.
322, 1859; Tin. No. Am., 64, 73, 1872; CHAM-
BERS, Can. Ent., iii, 83, 1871; Bull. Geol. Surv.
Terr., iv, 102, 1878.

6308. *corylisella* CHAMBERS, Can. Ent., iii, 111, 127, 1871. Wis., Ky.
- syn. *coryliella* CHAMBERS, Can. Ent., xi, 90, 1879.
- *6309. *oregonensis* WALSINGHAM, Ins. Life, ii, 117, 1889. Oreg.
6310. *tiliacella* CHAMBERS, Can. Ent., iii, 56, 1871. Ky.
- syn. *tiliella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 203, 1875; *tiliella* WALSINGHAM, Ins. Life, iii, 328, 1891.
- *6311. *symphoricarpella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 98, 1875. Ky.
- *6312. *bolliella* DYAR. Tex.
- syn. *symphoricarpella* FREY & BOLL (not CHAMBERS), Stett. ent. Zeit., xxxix, 271, 1878.
- *6313. *fragilella* FREY & BOLL, Stett. ent. Zeit., xxxix, 270, 1878; WALSINGHAM, Ins. Life, ii, 51, 1889. Tex.
- syn. *trifasciella* FREY & BOLL (not HAWORTH), Stett. ent. Zeit., xxxiv, 215, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 205, 1874; WALSINGHAM, Ins. Life, iii, 326, 1891.
- *6314. *affinis* FREY & BOLL, Stett. ent. Zeit., xxxvii, 222, 1876; xxxix, 270, 1878; WALSINGHAM, Ins. Life, ii, 51, 1889. Tex.
6315. *mariæella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 99, 1875; Can. Ent., xi, 92, 1879; WALSINGHAM, Trans. Am. Ent. Soc., x, 201, 1882. Mo.
- syn. *mariella* RILEY, Smith's List Lep. Bor. Am., 109, 1891.
- *6316. *tritæniella* CHAMBERS, Can. Ent., iii, 110, 184, 1871; v, 48, 1873; xi, 89, 1879; WALSINGHAM, Ins. Life, ii, 53, 1889. Atl. States.
- syn. *consimilella* FREY & BOLL, Stett. ent. Zeit., xxxiv, 217, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 230, 1875; WALSINGHAM, Ins. Life, ii, 51, 1889.
- *6317. *fasciella* WALSINGHAM, Ins. Life, iii, 326, 1891. Ky.
- syn. *unifasciella* CHAMBERS (not TENGSTROM), Cin. Quart. Jn. Sci., ii, 103, 1875.
- *6318. *castaneæella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 104, 1875. Ky.
- syn. *castanella* WALSINGHAM, Ins. Life, iii, 329, 1891.
- *6319. *bostonica* FREY & BOLL, Stett. ent. Zeit., xxxiv, 216, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 206, 1874; ii, 230, 1875. Mass.

- *6320. *ignota* FREY & BOLL, Stett. ent. Zeit., xxxiv, 215, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 206, 1874; ii, 230, 1875. Atl. States.
 syn. *helianthisella* CHAMBERS, Cin. Quart. Jn. Sci., i, 205, 1874; *helianthivorella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 100, 1875.
6321. *ambrosiella* CHAMBERS, Can. Ent., iii, 127, 1871; Cin. Quart. Jn. Sci., ii, 100, 1875; FREY & BOLL, Stett. ent. Zeit., xxxvii, 221, 1876; xxxix, 267, 1878; WALSINGHAM, Ins. Life, ii, 54, 1889. Ky.
- *6322. *elephantopodella* FREY & BOLL, Stett. ent. Zeit., xxxix, 268, 1878. Tex.
6323. *verbesinella* BUSCK, Proc. U. S. Nat. Mus., xxiii, 247, 1900. Fla.
- *6324. *actinomeridis* FREY & BOLL, Stett. ent. Zeit., xxxix, 268, 1878. Tex.
- *6325. *eppelsheimii* FREY & BOLL, Stett. ent. Zeit., xxxix, 272, 1878. Tex.
6326. *bethuniella* CHAMBERS, Can. Ent., iii, 109, 1871; Cin. Quart. Jn. Sci., ii, 103, 1875; Can. Ent., xi, 89, 1879. Ky.
- *6327. *lebertella* FREY & BOLL, Stett. ent. Zeit., xxxix, 266, 1878. Tex.
- *6328. *betulivora* WALSINGHAM, Ins. Life, iii, 326, 1891. Atl. States.
- *6329. *bifasciella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 101, 1878. Ky.
- *6330. *tubiferella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 208, 1860; Tin. No. Am., 140, 1872; CHAMBERS, Can. Ent., iii, 165, 183, 1871; WALSINGHAM, Ins. Life, ii, 24, 77, 1889; iii, 329, 1891. Pa.
6331. *populiella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 101, 1878. Ohio, Ky.
6332. *atomariella* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 350, 1875; WALSINGHAM, Ins. Life, ii, 54, 1889. Mass.
6333. *salicifoliella* CLEMENS, Proc. Ent. Soc. Phil., i, 81, 1861; Tin. No. Am., 169, 1872; PACKARD, Guide Stud. Ins., 353, 1869; CHAMBERS, Can. Ent., iii, 163, 185, 1871; Cin. Quart. Jn. Sci., ii, 302, 1875; Bull. Geol. Surv. Terr., iii, 139, 1877; WALSINGHAM, Ins. Life, ii, 54, 1889. Atl. States.

6334. *hamadryella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 324, 1859; Tin. No. Am., 65, 77, 1872; CHAMBERS, Can. Ent., iii, 55, 164, 182, 1871; Cin. Quart. Jn. Sci., ii, 201, 1875; FREY & BOLL, Stett. ent. Zeit., xxxix, 62, 1878.

syn. *alternatella* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 351, 1875; *alternata* CHAMBERS, Bull. Geol. Surv. Terr., iv, 153, 1878.

- *6335. *ostryarella* CHAMBERS, Can. Ent., iii, 111, 1871. Ky.
- *6336. *lysimachiælla* CHAMBERS, Cin. Quart. Jn. Sci., ii, 100, 1875; WALSHINGHAM, Ins. Life, ii, 77, 1889. Ky.?

BEDELLIA Stainton.

STAINTON, Cat. Brit. Tin., 226, 1849.

6337. *somnulentella* ZELLER, Isis, 849, 1847; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4107, 1901; CHAMBERS, Bull. Geol. Surv. Terr., iv, 131, 1878. Atl. States, Eur.

syn. *staintonella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 8, 1860; Proc. Ent. Soc. Phil., i, 147, 1862; *convolvulella* FABRICIUS, *somnulatella* RILEY, Smith's List Lep. Bor. Am., 108, 1891.

6338. *minor* BUSCK, Proc. U. S. Nat. Mus., xxiii, 243, 1900. Fla.

CHILOCAMPYLA Busck.

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6339. *dyariella* BUSCK, Proc. U. S. Nat. Mus., xxiii, 249, 1900. Fla.

EUCOSMOPHORA Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 148, 1897.

6340. *sideroxyloiniella* BUSCK, Proc. U. S. Nat. Mus., xxiii, 250, 1900. Fla.

GRACILARIA Haworth.

HAWORTH, Lep. Brit., 527, 1829; *Parectopa* CLEMENS, Tin. No. Am., 144, 1872.

6341. *aceriella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 295, 1880. Mass.
6342. *acerifoliella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 299, 1875; Bull. Geol. Surv. Terr., iii, 132, 1877. Col.
6343. *alnicolella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 299, 1875; Bull. Geol. Surv. Terr., iii, 132, 1877. Col.

6344. *alnivorella* CHAMBERS, Cin. Quart. Jn. Sci., ii, Col.
298, 1875; Bull. Geol. Surv. Terr., iii, 132, 1877;
Can. Ent., ix, 15, 1877.
6345. *astericola* FREY & BOLL, Stett. ent. Zeit., xxxiv, Mass.
204, 1873; CHAMBERS, Cin. Quart. Jn. Sc., ii,
200, 1875.
6346. *atomosella* ZELLER, Verh. zool.-bot. Ges. Wien, Tex.
xxiii, 309, 1873.
- *6347. *behrensella* CHAMBERS, Can. Ent., viii, 32, 1876. Cal.
6348. *belfrageella* CHAMBERS, Can. Ent., vii, 92, 1875. Tex.
6349. *blandella* CLEMENS, Proc. Ent. Soc. Phil., iii, Pa.
505, 1864; Tin. No. Am., 257, 1872; CHAMBERS,
Can. Ent., v, 13, 47, 1873.
- *6350. *bosquella* CHAMBERS, Can. Ent., viii, 33, 1876; Tex.
Bull. Geol. Surv. Terr., iii, 132, 1877.
6351. *coroniella* CLEMENS, Proc. Ent. Soc. Phil., ii, 421, Pa.
1864; v, 145, 1866; Tin. No. Am., 243, 1872;
WALSINGHAM, Trans. Am. Ent. Soc., x, 192, 1882.
6352. *violacella* CLEMENS, Proc. Acad. Nat. Sci. Phil., Atl.
7, 1860; Tin. No. Am., 93, 1872; CHAMBERS, States.
Can. Ent., iv, 26, 1872; v, 46, 1873; Cin. Quart.
Jn. Sci., i, 208, 1874; ZELLER, Verh. zool.-bot.
Ges. Wien, xxiii, 108, 1873.
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Phil., v, 145, 1865; Tin. No. Am., 268, 1872;
FREY & BOLL, Stett. ent. Zeit., xxxvii, 212,
1876.
6353. *plantaginisella* CHAMBERS, Can. Ent., iv, 10, Ky.
1872; v, 46, 1873.
syn. *geiella* CHAMBERS, Cin. Quart. Jn. Sci.,
i, 200, 1874; *erigeronella* CHAMBERS, Can.
Ent., ix, 127, 1877; Bull. Geol. Surv. Terr.,
iv, 148, 1878.
6354. *elongella* LINNÆUS, Faun. Suec., no. 1436, 1761; Pac. States,
STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. Eur.
4056, 1901; WALSINGHAM, Trans. Am. Ent. Soc.,
x, 193, 1882.
syn. *signipennella* HÜBNER, *roscipennella*
TREITSCHKE, *inconstans* STANTON, *strami-*
nella STANTON, *olongella* RILEY, Smith's
List Lep. Bor. Am., 105, 1891.
6355. *falconipennella* HÜBNER, Schm. Eur., 317, 1827; Eur.,
STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. Tex.
4050, 1901; ZELLER, Linn. Ent., ii, 323, 1846;
Verh. zool.-bot. Ges. Wien, xxiii, 307, 1873.

6356. *fasciella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 98, 1875; Can. Ent., vii, 93, 1875; ix, 123, 194, 1877; xi, 118, 1879; WALSINGHAM, Trans. Am. Ent. Soc., x, 201, 1882.
syn. *quinquenotella* CHAMBERS, Can. Ent., ix, 126, 194, 1877. Ky.
- *6357. *fulgidella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 6, 1860; Proc. Ent. Soc. Phil., v, 145, 1865; Tin. No. Am., 92, 1872. Pa.
6358. *fuscocochrella* BEUTENMÜLLER, Ent. Am., v, 10, 1889. Cal.
6359. *juglandiella* CHAMBERS, Can. Ent., iv, 28, 88, 1872; v, 15, 47, 1873. Ky.
syn. *juglandisnigrælla* CHAMBERS, Bull. Geol. Surv. Terr., iv, 149, 1878.
6360. *negundella* CHAMBERS, Can. Ent., viii, 18, 1876; Bull. Geol. Surv. Terr., iii, 132, 1877; Psyche, iii, 66, 1880. Col.
6361. *nigristrigella* BEUTENMÜLLER, Ent. Am., iv, 30, 1888. Cal.
syn. *ruptostrigella* BEUTENMÜLLER, Ent. Am., iv, 30, 1888.
6362. *stigmatella* FABRICIUS, Sp. Ins., ii, 295, 34, 1781; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4044, 1901; CHAMBERS, Can. Ent., xi, 74, 119, 1879; xii, 24, 1880. Atl. States, Eur.
syn. *upupæpennella* HÜBNER, *ochracea* HAWORTH, *purpuricella* CHAMBERS, Can. Ent., iv, 27, 1872; v, 46, 1873; ix, 126, 194, 1877.
6363. *rhoifoliella* CHAMBERS, Can. Ent., viii, 31, 1876. Atl. States.
6364. *lespedezæfoliella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 210, 1860; Tin. No. Am., 144, 1872; CHAMBERS, Can. Ent., iv, 7, 1872; v, 47, 1873; viii, 19, 1876; Bull. Geol. Surv. Terr., iii, 132, 1877. Atl. States.
syn. *robiniella* CLEMENS, Proc. Ent. Soc. Phil., ii, 4, 1863; Tin. No. Am., 207, 1872; CHAMBERS, Can. Ent., iii, 87, 1871; iv, 7, 1872; v, 47, 1873; viii, 33, 1876; Bull. Geol. Surv. Terr., iii, 132, 1877; WALSINGHAM, Trans. Am. Ent. Soc., x, 193, 1882; *mirabilis* FREY & BOLL, Stett. ent. Zeit., xxxiv, 203, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 227, 1875.
6365. *salicifoliella* CHAMBERS, Can. Ent., iv, 25, 1872; v, 15, 46, 186, 1873; Cin. Quart. Jn. Sci., i, 340, 1874. Ky.
6366. *sauzalitoella* CHAMBERS, Can. Ent., viii, 32, 1876. Cal.

6367. *sassafrasella* CHAMBERS, Can. Ent., viii, 33, 1876. Ky.
6368. *sanguinella* BEUTENMÜLLER, Ent. Amer., iv, 30, 1888. Cal.
6369. *shastaella* BEUTENMÜLLER, Ent. Amer., iv, 30, 1888. Cal.
6370. *strigifinitella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 6, 1860; Proc. Ent. Soc. Phil., v, 145, 1865; Tin. No. Am., 92, 269, 1872. Pa.
6371. *duodecemlineella* CHAMBERS, Can. Ent., iv, 11, 1872; ix, 124, 1877. Ky.
6372. *alchimiella* SCOPOLI, Ent. Carn., no. 661, 1763; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4040, 1901; WALSHINGHAM, Trans. Am. Ent. Soc., x, 191, 1882. Atl. States, Eur.
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- *6373. *populiella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 301, 1875; Bull. Geol. Surv. Terr., iii, 132, 1877. Col.
6374. *thermopsella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 300, 1875; Bull. Geol. Surv. Terr., iii, 132, 1877; DYAR, Proc. U. S. Nat. Mus., xxv, 409, 1902. Col.
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- syn. *eupatoriella* CHAMBERS, Can. Ent., iv, 9, 1872; v, 44, 46, 1873.
- *6376. *ribesella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 132, 1877. Col.
6377. *pulchella* CHAMBERS, Can. Ent., vii, 186, 1875. Can.
6378. *burgessiella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 307, 1873. Mass.
- *6379. *auriferella* FREY & BOLL, Stett. ent. Zeit., xxxvii, 211, 1876. Tex.

- *6380. *consimilella* FREY & BOLL, Stett. ent. Ziet., xxxvii, 210, 1876. Tex.
- *6381. *interpositella* FREY & BOLL, Stett. ent. Zeit., xxxvii, 211, 1876. Tex.
- *6382. *obscuripennella* FREY & BOLL, Stett. ent. Zeit., xxxvii, 209, 1876. Tex.
6383. *bursarella* BUSCK, Proc. U. S. Nat. Mus., xxiii, 251, 1900. Fla.
6384. *sebastianella* BUSCK, Proc. U. S. Nat. Mus., xxiii, 251, 1900. Fla.
6385. *pnosodiella* BUSCK, Proc. U. S. Nat. Mus., xxv, 409, 1902. Col.
- *6386. *strictella* WALKER, Cat. Brit. Mus., xxix, 591, 1864. Can.

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6387. *geminatella* PACKARD, Guide Stud. Ins., 353, 1869; CHAMBERS, Can. Ent., iii, 183, 1871. Atl. States.
 syn. *prunicorella* CHAMBERS, Can. Ent., v, 50, 1873; Cin. Quart. Jn. Sci., ii, 301, 1875; Bull. Geol. Surv. Terr., iii, 133, 141, 1877; Psyche, iii, 67, 1880; WALSHINGHAM, Trans. Am. Ent. Soc., x, 194, 1882.
6388. *cratægifoliella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 8, 1860; Tin. No. Am., 94, 1872; CHAMBERS, Can. Ent., v, 48, 1873. Pa.
- *6389. *boreasella* CLEMENS, Proc. Ent. Soc. Phil., ii, 415, 1864; Tin. No. Am., 237, 1872. Pa.
6390. *anglicella* STAINTON, Trans. Ent. Soc. Lond., (2), i, 92, 1850; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4097, 1901; WALSHINGHAM, Trans. Am. Ent. Soc., x, 193, 1882. Eur., Atl. States.?
 syn. *fragariae* STAINTON.
- *6391. *festinella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 97, 1860; Tin. No. Am., 94, 1872. Pa.
- *6392. *inusitatumella* CHAMBERS, Can. Ent., v, 47, 1873; viii, 19, 1876. Ky.
- *6393. *quercifoliella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 116, 1875. Mo.
- *6394. *trepidella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 7, 1860; Tin. No. Am., 94, 1872. Pa.
- *6395. *quadripunctella* CLEMENS, Proc. Ent. Soc. Phil., i, 86, 1861; Tin. No. Am., 177, 1872. Pa.

CORISCIUM Zeller.

ZELLER, Isis, 210, 1839.

6396. *albinatella* CHAMBERS, Can. Ent., iv, 25, 1872. Ky.
 syn. *albanotella* CHAMBERS, Can. Ent., ix, 123,
 1877; Cin. Quart. Jn. Sci., i, 200, 1874;
 Bull. Geol. Surv. Terr., iii, 132, 1877.
6397. *paradoxum* FREY & BOLL, Stett. ent. Zeit., Atl.
 xxxiv, 205, 1873; xxxvii, 212, 1876; CHAMBERS, States.
 Cin. Quart. Jn. Sci., i, 200, 1874.
6398. *uniquestrigella* CHAMBERS, Can. Ent., vii, 75, Tex.
 1875; ix, 14, 124, 1877; x, 109, 1878.
6399. *randiella* BUSCK, Proc. U. S. Nat. Mus., xxiii, Fla.
 247, 1900.
6400. *rhombiferellum* FREY & BOLL, Stett. ent. Zeit., Tex.
 xxxvii, 212, 1876.
6401. *cuculipenellum* HÜBNER, Ges. eur. Schmett., Eur.,
 viii, Tin., vi, Al. B, f. 2, 1831; STAUDINGER & N. Y.
 REBEL, Cat. Lep. Eur., ii, no. 4083, 1901; FER-
 NALD, Can. Ent., xxv, 96, 1893.
 syn. *cinerea* HAWORTH, *alautella* DUPONCHEL.

LEUCANTHIZA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 327, 1859.

6402. *amphicarpeæfoliella* CLEMENS, Proc. Acad. Nat. No. Atl.
 Sci. Phil., 327, 1859; Tin. No. Am., 85, 87, 1872; States.
 CHAMBERS, Can. Ent., iii, 162, 1871.
 syn. *saundersella* CHAMBERS, Can. Ent., iii, 205,
 1871; xi, 93, 1879.

MARMARA Clemens.

CLEMENS, Proc. Ent. Soc. Phil., ii, 6, 1863.

- *6403. *salictella* CLEMENS, Proc. Ent. Soc. Phil., ii, 7, Atl.
 1863; Tin. No. Am., 212, 1872. States.
 syn. *sabicella* CHAMBERS, Bull. Geol. Surv.
 Terr., iv, 156, 1878.
6404. *guilandinæ* BUSCK, Proc. U. S. Nat. Mus., xxiii, Fla.
 234, 1900.

LEUCOPTERA Hübner.

HÜBNER, Verz. bek. Schmett., 426, 1816; WALSINGHAM, Proc. Zool. Soc. Lond., 141,
 272, 1897; *Ceniosstoma* ZELLER, Linn. Ent., iii, 272, 1848.

6405. *erythrinella* BUSCK, Proc. U. S. Nat. Mus., xxiii, Fla.
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PROLEUCOPTERA Busck.

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6407. *albella* CHAMBERS, Can. Ent., iii, 23, 209, 1871; Ky., Col.
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6408. *smilaciella* BUSCK, Jn. N. Y. Ent. Soc., viii, 244, Pa.,
1901. D. C.

PHILONOME Chambers.

CHAMBERS, Can. Ent., vi, 96, 1874.

- *6409. *clemensella* CHAMBERS, Can. Ent., vi, 97, 1874; Ky.
viii, 136, 1876; ix, 13, 1877; x, 238, 1878.

BUSCKIA Dyar.

Eurynome CHAMBERS (not LEACH), Cin. Quart. Jn. Sci., ii, 304, 1875; Bull. Geol.
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- *6410. *albella* CHAMBERS, Bull. Geol. Surv. Terr., iii, Col.
140, 1877.
- *6411. *luteella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 304, Col.
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CACONOME Dyar.

Acanthocnemis CHAMBERS (not *Acanthocnemis* HAWLE & CORDA), Bull. Geol. Surv.
Terr., iv, 104, 1878.

- *6412. *fuscoseapulella* CHAMBERS, Bull. Geol. Surv. Tex.
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LYONETIA Hübner.

HÜBNER, Verz. bek. Schmett., 423, 1816; CLEMENS, Tin. No. Am., 183, 1872.

- *6413. *alniella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 303, Col.
1875; Bull. Geol. Surv. Terr., iii, 140, 1877.
- *6414. *apicistrigella* CHAMBERS, Cin. Quart. Jn. Sci., ii, Ky.
105, 1875.
- *6415. *gracilella* CHAMBERS, Can. Ent., viii, 34, 1876. Ky.
- *6416. *latistrigella* WALSINGHAM, Trans. Am. Ent. Soc., Atl.
x, 203, 1882. States.
- *6417. *nidificansella* PACKARD, Guide Stud. Ins., 354, Atl.
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- *6418. *speculella* CLEMENS, Proc. Ent. Soc. Phil., i, 134, Pa.
1861; Tin. No. Am., 184, 1872.

PHYLLOCNISTIS Zeller.

ZELLER, Linn. Ent., iii, 264, 1848.

6419. *ampelopsiella* CHAMBERS, Can. Ent., iii, 207, 1871; Ky.
Cin. Quart. Jn. Sci., ii, 107, 304, 1875; Jn. Cin.
Soc. Nat. Hist., ii, 13, 1880; Bull. Geol. Surv.
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6420. *populiella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 106, 303, 1875; Can. Ent., viii, 19, 1876; Bull. Geol. Surv. Terr., iii, 140, 147, 1877. Ky.
6421. *vitifoliella* CHAMBERS, Can. Ent., iii, 206, 1871; vi, 169, 1874; FREY & BOLL, Stett. ent. Zeit., xxxix, 26, 1878; CHAMBERS, Psyche, iii, 67, 1880. Ky., Wis.
6422. *vitigenella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 327, 1859; Tin. No. Am., 22, 39, 83, 1872; CHAMBERS, Can. Ent., iii, 206, 1871; vi, 169, 1874; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 314, 1873; CHAMBERS, Psyche, iii, 67, 1880. Pa., Mass.
- *6423. *liriodendrella* CLEMENS, Proc. Ent. Soc. Phil., ii, 13, 1863; Tin. No. Am., 220, 1872; CHAMBERS, Can. Ent., iii, 185, 206, 1871. Pa.
- *6424. *magnoliella* CHAMBERS, Psyche, iii, 67, 1880. Ky.
- *6425. *liquidambarisella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 106, 1875. Ky.
- *6426. *similiacicella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 107, 1875. Ky.
6427. *intermediella* BUSCK, Proc. U. S. Nat. Mus., xxiii, 253, 1900. Fla.
6428. *erechtiisella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 104, 1878. Ky., Tex.
syn. *insignis* FREY & BOLL, Stett. ent. Zeit., xxxvii, 217, 1876.
- *6429. *magnatella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 315, 1873. Mass.

METRIOCHROA Busck.

BUSCK, Proc. U. S. Nat. Mus., xxiii, 244, 1900.

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TISCHERIA Zeller.

ZELLER, Isis, 219, 1839.

- *6431. *sulphurea* FREY & BOLL, Stett. ent. Zeit., xxxix, 256, 1878; WALSINGHAM, Ins. Life, ii, 324, 1890; iii, 387, 1891. Tex.
6432. *clemensella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 99, 1878; WALSINGHAM, Ins. Life, ii, 323, 1890; iii, 388, 1891. Tex.
syn. *bicolor* FREY & BOLL, Stett. ent. Zeit., xxxix, 255, 1878.

- *6433. *concolor* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 352, 1875; FREY & BOLL, Stett. ent. Zeit., xxxix, 255, 1878; WALSINGHAM, Ins. Life, ii, 324, 1890. Tex.
- *6434. *castaneælla* CHAMBERS, Cin. Quart. Jn. Sci., ii, 111, 1875; WALSINGHAM, Ins. Life, iii, 388, 1891. Ky.
syn. *castanella* WALSINGHAM, Ins. Life, iii, 389, 1891.
- *6435. *citripennella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 324, 1859; Tin. No. Am., 39, 80, 82, 1872; CHAMBERS, Can. Ent., iii, 208, 1871; WALSINGHAM, Ins. Life, ii, 323, 1889. Atl. States.
syn. *quercitella* CLEMENS, Proc. Ent. Soc. Phil., ii, 13, 1863; CHAMBERS, Can. Ent., iii, 208, 1871; FREY & BOLL, Stett. ent. Zeit., xxxiv, 221, 1873; xxxix, 254, 1878; CHAMBERS, Cin. Quart. Jn. Sci., ii, 111, 1875; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 146, 1875; CHAMBERS, Bull. Geol. Surv. Terr., iv, 97, 1878; Psyche, iii, 68, 1880; WALSINGHAM, Ins. Life, ii, 324, 1890; *quercivorella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 109, 1877; Bull. Geol. Surv. Terr., iv, 97, 1878.
6436. *badiiella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 109, 111, 1875; WALSINGHAM, Ins. Life, iii, 387, 1891. Ky.
syn. *bodicella* CHAMBERS, Can. Ent., vii, 124, 1875.
- *6437. *fuscomarginella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 110, 1875; WALSINGHAM, Ins. Life, ii, 324, 1890; iii, 388, 1891. Ky.
6438. *tinctoriella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 108, 1875; WALSINGHAM, Trans. Am. Ent. Soc., x, 202, 1882; Ins. Life, ii, 324, 1890; iii, 386, 1891. Ky.
- *6439. *helianthi* FREY & BOLL, Stett. ent. Zeit., xxxix, 258, 1878; WALSINGHAM, Ins. Life, ii, 324, 1890. Tex.
6440. *solidaginifoliella* CLEMENS, Proc. Acad. Nat. Sci., Phil., 326, 1859; Tin. No. Am., 180, 1872; CHAMBERS, Can. Ent., iii, 208, 1871; FREY & BOLL, Stett. ent. Zeit., xxxix, 257, 1878; WALSINGHAM, Ins. Life, ii, 324, 1890. Pa.
- *6441. *purinosella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 110, 1875. Ky.
syn. *pruinosaella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 97, 1878; FREY & BOLL, Stett. ent. Zeit., xxxix, 257, 1878; WALSINGHAM, Ins. Life, ii, 324, 1890.

- *6442. *pulvella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 99, 1878. Tex.
- *6443. *heteroteræ* FREY & BOLL, Stett. ent. Zeit., xxxix, 257, 1878. Tex.
6444. *heliopsisella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 113, 1875; WALSINGHAM, Proc. Ent. Soc. Lond., 145, 1897; Ins. Life, ii, 325, 1890. Ky., Tex.
syn. *nolckenii* FREY & BOLL, Stett. ent. Zeit., xxxvii, 220, 1876; xxxix, 257, 1878.
- *6445. *longeciliata* FREY & BOLL, Stett. ent. Zeit., xxxix, 259, 1878. Tex.
6446. *ambrosiæella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 112, 1875; WALSINGHAM, Ins. Life, ii, 325, 1890. Ky.
6447. *ceanothi* WALSINGHAM, Ins. Life, ii, 325, 1890. Cal.
6448. *malifoliella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 208, 1860; Tin. No. Am., 141, 1872; CHAMBERS, Can. Ent., iii, 208, 1871; v, 50, 1873; vi, 150, 1874; FREY & BOLL, Stett. ent. Zeit., xxxiv, 222, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 111, 1875; FREY & BOLL, Stett. ent. Zeit., xxxix, 254, 1878; WALSINGHAM, Ins. Life, ii, 326, 1890; CHAMBERS, Psyche, iii, 68, 1880. Atl. States.
6449. *ænea* FREY & BOLL, Stett. ent. Zeit., xxxiv, 222, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 210, 1874; Bull. Geol. Surv. Terr., iv, 99, 1878; FREY & BOLL, Stett. ent. Zeit., xxxvii, 220, 1876; xxxix, 254, 1878; WALSINGHAM, Ins. Life, ii, 326, 1890. Atl. States.
- *6450. *roseticola* FREY & BOLL, Stett. ent. Zeit., xxxiv, 223, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 210, 1874; ii, 112, 1875; WALSINGHAM, Ins. Life, ii, 326, 1890. Atl. States.

COPTOTRICHE Walsingham.

WALSINGHAM, Ins. Life, ii, 322, 1890.

6451. *zelleriella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 326, 1859; Tin. No. Am., 81, 1872; CHAMBERS, Can. Ent., iii, 208, 1871; Cin. Quart. Jn. Sci., ii, 109, 1875; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 147, 1875; CHAMBERS, Bull. Geol. Surv. Terr., iv, 98, 1878; WALSINGHAM, Ins. Life, iii, 387, 1891. Atl. States.
syn. *complanoides* FREY & BOLL, Stett. ent. Zeit., xxxiv, 220, 1873; CHAMBERS, Bull. Geol. Surv. Terr., iv, 99, 1878; *zellerella* FREY & BOLL, Stett. ent. Zeit., xxxiv, 220, 1873; *latipennella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 97, 1878.

PODIASA Busck.

BUSCK, Proc. U. S. Nat. Mus., xxiii, 240, 1900.

6452. *chiococcella* BUSCK, Proc. U. S. Nat. Mus., xxiii, 240, 1900. Fla.

ARGYRESTHIA Hübner.

HÜBNER, Verz. bek. Schmett., 422, 1816.

6453. *abdominalis* ZELLER, Linn. Ent., ii, 270, 1847; Verh. zool.-bot. Ges. Wien, xxiii, 306, 1873. Tex.
- *6454. *altissimella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 130, 147, 1877. Col.
6455. *andereggiella* DUPONCHEL, Hist. Nat., xi, 305, 9, 1838; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2423, 1901; CLEMENS, Proc. Acad. Nat. Sci. Phil., 7, 1860; Tin. No. Am., 39, 93, 1872; CHAMBERS, Can. Ent., vi, 10, 1874; vii, 145, 1875; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 304, 1875; CHAMBERS, Bull. Geol. Surv. Terr., iii, 131, 141, 1877. Atl. States, Eur.
- syn. *oreasella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 7, 1860.
- *6456. *apicimaculella* CHAMBERS, Can. Ent., vi, 11, 1874. Ky.
syn. *visaliella* CHAMBERS, Can. Ent., vi, 145, 1874.
6457. *austerella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 305, 1873. Tex.
syn. *undulatella* CHAMBERS, Can. Ent., vi, 10, 1874; vii, 145, 1875; ix, 72, 1877.
6458. *goedertella* LINNÆUS, Syst. Nat., 541, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2420, 1901; CHAMBERS, Can. Ent., vii, 144, 1875; viii, 19, 1876; Bull. Geol. Surv. Terr., iii, 131, 141, 147, 1877. Col., Eur.
syn. *gadastella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 294, 1875.
6459. *mendica* HAWORTH, Lep. Brit., 517, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2397, 1901; WALSINGHAM, Ins. Life, iii, 118, 1891. Eur., U. S.?
- *6460. *belangerella* CHAMBERS, Can. Ent., vii, 145, 1875. Can.
- *6461. *cupressella* WALSINGHAM, Ins. Life, iii, 118, 1890. Cal.
- *6462. *freyella* WALSINGHAM, Ins. Life, iii, 119, 1890. Tex.
- *6463. *deletella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 305, 1873. Tex.

- *6464. *montella* CHAMBERS, Bull. Geol. Surv. Terr., iii, Col.
130, 1877.
- *6465. *plicipunctella* WALSINGHAM, Ins. Life, iii, 119, (Unknown.)
1890; 386, 1891.
- *6466. *pedmontella* CHAMBERS, Bull. Geol. Surv. Terr., Col.
iii, 131, 1877.
6467. *pygmæella* HÜBNER, Schm. Eur., 353, 1827; Eur.
STAUDINGER & REBEL, Cat. Lep. Eur., ii, no.
2419, 1901.
- *6468. *quadristrigella* ZELLER, Verh. zool.-bot. Ges. Tex.
Wien, xxiii, 304, 1873; FREY & BOLL, Stett. ent.
Zeit., xxxvii, 209, 1876.
- *6469. *quercicolella* CHAMBERS, Bull. Geol. Surv. Terr., Col.
iii, 130, 1877.
- *6470. *subreticulata* WALSINGHAM, Trans. Am. Ent. Atl.
Soc., x, 173, 1882. States. ?

ACROLEPIA Curtis.

CURTIS, Brit. Ent., xv, 1838; *Argiope* CHAMBERS, Can. Ent., v, 13, 1873.

- *6471. *incertella* CHAMBERS, Can. Ent., iv, 43, 1872. Ky.
syn. *dorsimaculella* CHAMBERS, Can. Ent., v,
13, 174, 1873; WALSINGHAM, Trans. Am.
Ent. Soc., x, 172, 1882.

EUCATAGMA Busck.

BUSCK, Jn. N. Y. Ent. Soc., viii, 247, 1901.

6472. *amyrisella* BUSCK, Jn. N. Y. Ent. Soc., viii, 247, Fla.
1901.

SCARDIA Treitschke.

TREITSCHKE, Schm. Eur., viii, 291, 1830; *Fernaldia* GROTE, Bull. Geol. Surv. Terr.,
vi, 274, 1882.

- *6473. *tessulatella* ZELLER, Stett. ent. Zeit., vii, 182. Eur.
1846; STAUDINGER & REBEL, Cat. Lep. Eur., ii,
no. 4521, 1901.
syn. *tessalutella* RILEY, Smith's List Lep. Bor.
Am., 95, 190, 1891.
6474. *anatomella* GROTE, Bull. Geol. Surv. Terr., vi, N. Y.
274, 1882; WALSINGHAM, Trans. Am. Ent. Soc.,
x, 171, 1882.

EUPLOCAMUS Latreille.

LATREILLE, Gen. Crust. Ins., iv, 223, 1796.

- *6475. *fuscofasciella* CHAMBERS, Cin. Quart. Jn. Sci., ii, Ky.
257, 1875.

XYLESTIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 256, 1859; WALSINGHAM, Proc. Zool. Soc. Lond., 166, 1897.

6476. *pruniramiella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 257, 1859; Tin. No. Am., 39, 54, 59, 1872. Atl. States.
 syn. *congeminatella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 218, 1873; *clemensella* CHAMBERS, Can. Ent., v, 174, 1873; ix, 208, 1877.

INCURVARIA Haworth.

HAWORTH, Lep. Brit., 559, 1829.

6477. *acerfoliella* FITCH, Rep. Ins. N. Y., i, 269, 1854; CLEMENS, Proc. Acad. Nat. Sci. Phil., 5, 1860; Tin. No. Am., 90, 1872; WALSINGHAM, Ins. Life, i, 147, 1888. Atl. States.
 syn. *iridella* CHAMBERS, Can. Ent., v, 86, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 172, 1882.
6478. *ænescens* WALSINGHAM, Ins. Life, i, 147, 1888. Oreg.
6479. *humilis* WALSINGHAM, Ins. Life, i, 146, 1888. Cal.
- *6480. *labradoriella* CLEMENS, Proc. Ent. Soc. Phil., ii, 416, 1864; Tin. No. Am., 238, 1872; WALSINGHAM, Ins. Life, i, 147, 1888. Lab.
- *6481. *mediostriatella* CLEMENS, Proc. Ent. Soc. Phil., v, 147, 1866; Tin. No. Am., 273, 1872. Atl. States.
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6483. *punctiferella* WALSINGHAM, Ins. Life, i, 145, 1888. Oreg., Cal.
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6487. *bisselliella* HUMMEL, Ess. Ent., iii, 13, 1829; Eur.,
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 4624, 1901; PACKARD, Am. Nat., i, 423, 1867;
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MONOPIS Hübner.

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 95, 1891.

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 249, 1875.

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6496. *bimaculella* CHAMBERS, Can. Ent., v, 87, 1873. Ky.
- *6497. *carnariella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 256, 1859; Tin. No. Am., 51, 1872; CHAMBERS, Bull. Geol. Surv. Terr., iv, 166, 1878. Pa.
- *6498. *costosignella* CLEMENS, Proc. Ent. Soc. Phil., ii, 128, 1863; Tin. No. Am., 235, 1872. Pa.
- *6499. *costostrigella* CHAMBERS, Can. Ent., v, 87, 1873. Ky.
- *6500. *croceovorticella* CHAMBERS, Can. Ent., viii, 106, 1876. Ky.
- *6501. *defectella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 220, 1873. Cal.
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6503. *fuscipunctella* HAWORTH, Lep. Brit., 562, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4583, 1901. Eur., Lab.
syn. *spretella* ZELLER, *nubilipennella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 257, 1859; Tin. No. Am., 58, 1872; *frigidella* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 61, 1867; WALSINGHAM, Trans. Am. Ent. Soc., x, 171, 1882.
- *6504. *fuscomaculella* CHAMBERS, Can. Ent., v, 90, 1873. Ky.
6505. *fuscopulvella* CHAMBERS, Can. Ent., v, 90, 1873. Ky.
6506. *granella* LINNÆUS, Syst. Nat., 537, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4555, 1901; PACKARD, Guide Stud. Ins., 347, 1869; CHAMBERS, Bull. Geol. Surv. Terr., iv, 164, 1878; WALSINGHAM, Trans. Am. Ent. Soc., x, 171, 1882. Eur., Atl. States.
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6507. *grumella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 221, 1873. Mass.
- *6508. *imitatorella* CHAMBERS, Can. Ent., viii, 105, 1876. Ky.
- *6509. *maculabella* CHAMBERS, Can. Ent., v, 90, 1873. Ky.
6510. *marginimaculella* CHAMBERS, Can. Ent., vii, 212, 1875. Can.
syn. *maculimarginella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 164, 1878.
- *6511. *marginistrigella* CHAMBERS, Can. Ent., v, 88, 1873. Ky.
6512. *marmorella* CHAMBERS, Can. Ent., vii, 212, 1875. Can.
6513. *minutipulvella* CHAMBERS, Can. Ent., vii, 212, 1875. Can.
6514. *misella* ZELLER, Isis, 184, 1839; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4580, 1901; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 223, 1873. Tex., Eur.
- *6515. *miscella* CHAMBERS, Can. Ent., v, 86, 1873. Ky.
- *6516. *niveocapitella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 249, 1775. Cal.
- *6517. *obsкуроstrigella* CHAMBERS, Can. Ent., vi, 232, 1874. Tex.
6518. *oregonella* BUSCK, Jn. N. Y. Ent. Soc., viii, 246, 1900. Oreg.
- *6519. *orleansella* CHAMBERS, Can. Ent., v, 85, 1873. La.
6520. *pellionella* LINNÆUS, Syst. Nat., 536, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4584, 1901; WALSINGHAM, Trans. Am. Ent. Soc., x, 170, 1882; FERNALD, Can. Ent., xiv, 169, 1882. Eur., U. S., Asia.
syn. *flavescentella* HAWORTH, *merdella* ZELLER, *dubiella* STANTON, *grisseella* CHAMBERS, Can. Ent., v, 88, 1873.
6521. *seminolella* BEUTENMÜLLER, Ent. Amer., v, 9, 1889. Fla.
- *6522. *septemstrigella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 79, 1878. Tex.
- *6523. *thoracestrigella* CHAMBERS, Can. Ent., viii, 106, 1876. Ky.?
- *6524. *tricingulatella* CLEMENS, Proc. Ent. Soc. Phil., ii, 128, 1863; Tin. No. Am., 234, 1872. Pa.
- *6525. *trimaculella* CHAMBERS, Can. Ent., v, 88, 1873. Ky.

- *6526. *unomaculella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 258, 1875. Tex.
6527. *cloacella* HAWORTH, Lep. Brit., 563, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4556, 1901. Eur., U. S.?
- *6528. *straminella* CHAMBERS, Can. Ent., v, 86, 1873. Ky.
- *6529. *martinella* WALKER, Cat. Brit. Mus., xxviii, 472, 1863. Can.
- *6530. *afflictella* WALKER, Cat. Brit. Mus., xxx, 1002, 1864. Can.
6531. *arcella* FABRICIUS, Gen. Ins., 295, 1777; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4543, 1901. Eur., U. S.?

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- *6533. *clemensella* CHAMBERS, Can. Ent., vi, 232, 1874; Cin. Quart. Jn. Sci., ii, 256, 1875. Tex.
- *6534. *effrenatella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 260, 1859; Tin. No. Am., 55, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 219, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 256, 1875. Pa., Mass.

CYANE Chambers.

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- *6535. *visaliella* CHAMBERS, Can. Ent., v, 113, 1873. Ky.

PHRYGANEOPSIS Walsingham.

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DIACHORISIA Clemens.

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TENAGA Clemens.

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HYBROMA Clemens.

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PITYS Chambers.

CHAMBERS, Can. Ent., v, 110, 1873.

- *6541. *fasciella* CHAMBERS, Can. Ent. v 111 1873; ix, 207, 1877. Ky.
- *6542. *auricristatella* CHAMBERS, Can. Ent., v, 110, 1873. Ky.
- *6543. *fuscoocristatella* CHAMBERS, Can. Ent., v, 111, 1873. Ky.
- *6544. *misceocristatella* CHAMBERS, Can. Ent., v, 111, 1873. Ky.

OENOE Chambers.

CHAMBERS, Can. Ent., vi, 50, 1874.

- *6545. *hybromella* CHAMBERS, Can. Ent., vi, 51, 1874; Jn. Cin. Soc. Nat. Hist., ii, 186, 1879. Ky.

SEMELE Chambers.

CHAMBERS, Cin. Quart. Jn. Sci., ii, 243, 1875.

- *6546. *argentistrigella* CHAMBERS, Can. Ent., v, 89, 1873; viii, 105, 1876. Ky.
- *6547. *argentinotella* CHAMBERS, Can. Ent., viii, 104, 1876. Ky.
- *6548. *cristatella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 243, 1875; Can. Ent., ix, 208, 1877. Ky.
- syn. *bifasciella* CHAMBERS, Can. Ent., viii, 105, 1876; ix, 208, 1877.

SETOMORPHA Zeller.

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- *6549. *operosella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 223, 1873. Mass. ?
- *6550. *inamœnella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 224, 1873. Mass. ?
- *6551. *runderella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 225, 1873. Mass. ?

ADELA Latreille.

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6552. *æruginosella* WALSINGHAM, Ins. Life, ii, 285, 1890. La.
6553. *bella* CHAMBERS, Can. Ent., v, 73, 1873; ix, 207, 1877; xi, 125, 1879; WALSINGHAM, Ins. Life, ii, 285, 1890. Atl. States.
- syn. *chalybeis* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 226, 1873; WALSINGHAM, Proc. Zool. Soc. Lond., 79, 1880; *iochroa* ZELLER, Hor. Soc. Ent. Ross., xiii, 218, 1877.
- *6554. *bellella* WALKER, Cat. Brit. Mus., xxviii, 561, 1863; WALSINGHAM, Proc. Zool. Soc. Lond., 79, 1880; Ins. Life, ii, 284, 1890. Can.
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6556. *punctiferella* WALSINGHAM, Ins. Life, ii, 284, 1890. Cal.
6557. *purpura* WALKER, Cat. Brit. Mus., xxviii, 501, 1863; WALSINGHAM, Proc. Zool. Soc. Lond., 79, 1880; Ins. Life, ii, 285, 1890. No. Atl. States.
- syn. *biviella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 226, 1873; CHAMBERS, Can. Ent., ix, 206, 1877; xi, 125, 1879.
6558. *ridingsella* CLEMENS, Proc. Ent. Soc. Phil., ii, 426, 1864; Tin. No. Am., 250, 1872; PACKARD, Guide Stud. Ins., 348, 1869; WALSINGHAM, Ins. Life, ii, 285, 1890. Atl. States.
- syn. *schlaegeri* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 227, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 173, 1882; *corruscifuscicella* CHAMBERS, Can. Ent., v, 74, 1873; ix, 207, 1877; xi, 125, 1879; WALSINGHAM, Proc. Zool. Soc. Lond., 79, 1880.

6559. *septentrionella* WALSINGHAM, Proc. Zool. Soc. Oreg.,
 Lond., 79, 1880. Cal.
6560. *simpliciella* WALSINGHAM, Proc. Zool. Soc. Lond., Oreg.
 81, 1880; Ins. Life, ii, 284, 1890.
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 80, 1880; Ins. Life, ii, 285, 1890.
- *6562. *trifasciella* CHAMBERS, Can. Ent., viii, 103, 1876. Cal.
6563. *trigrapha* ZELLER, Verh. zool.-bot. Ges. Wien, Cal.
 xxv, 342, 1875; WALSINGHAM, Proc. Zool. Soc.
 Lond., 79, 1880.
syn. fasciella CHAMBERS, Can. Ent., viii, 103,
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- PRODOXUS Riley.
- RILEY, Am. Ent., iii, 155, 1880.
6564. *quinquepunctella* CHAMBERS, Can. Ent., vii, 7, So. Atl.
 1875; RILEY, Am. Ent., iii, 141, 1880. States.
- syn. decipiens* RILEY, Amer. Ent., iii, 155,
 1880; Proc. Am. Ass. Adv. Sci., 1880, 617,
 1881; Am. Nat., xvi, 62, 1882; Ins. Life, iv,
 371, 1892; *paradoxica* CHAMBERS, Jb. Cin.
 Soc. Nat. Hist., i, 149, 1878.
6565. *intermedius* RILEY, Proc. Am. Ass. Adv. Sci., Tex.
 1880, 617, 1881.
6566. *marginatus* RILEY, Proc. Am. Ass. Adv. Sci., Cal.
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6567. *y-inversa* RILEY, Proc. Ent. Soc. Wash., ii, 316, Cal.
 1892; Ins. Life, iv, 373, 1892.
6568. *reticulata* RILEY, Proc. Ent. Soc. Wash., ii, 316; Col.
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6569. *coloradensis* RILEY, Proc. Ent. Soc. Wash., ii, Col.
 316, 1892; Ins. Life, iv, 374, 1892.
a. lautus COCKERELL, Psyche, viii, 142, 1897.
b. confluens COCKERELL, Psyche, viii, 142, 1897.
6570. *pulverulentus* RILEY, Proc. Ent. Soc. Wash., ii, Cal.
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6571. *sordidus* RILEY, Proc. Ent. Soc. Wash., ii, 319 Cal.
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6572. *cinereus* RILEY, Proc. Am. Assoc. Adv. Sci., 1880, Cal.
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PRONUBA Riley.

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6574. **yuccasella** RILEY, Fifth Rept. Ins. Mo., 150, 1873; CHAMBERS, Bull. Geol. Surv. Terr., iv, 161, 1878; RILEY, Nature, vi, 444, 1872; Trans. Acad. Nat. Sci. St. Louis, iii, 55, 1873; BOLL, Stett. ent. Zeit., xxxvii, 401, 1876; RILEY, Am. Ent., iii, 182, 293, 1880; Can. Ent., xii, 263, 1880; Proc. Am. Assoc. Adv. Sci., 1880, 617, 1881; Ins. Life, iv, 360, 1892. So. Atl. States.
- syn. *alba* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 232, 1873; xxv, 340, 1885; HAGEN, Can. Ent., xii, 129, 1880.
6575. **maculata** RILEY, Proc. Am. Assoc. Adv. Sci., 1880, 617, 1881; Proc. Ent. Soc. Wash., ii, 315, 1892; Ins. Life, iv, 368, 1892. Cal., Col.
- a. apicella* DYAR (spots pulverulent, confluent apically, the subbasal ones obsolete).
6576. **paradoxa** RILEY, Proc. Ent. Soc. Wash., i, 154, 1889. Cal.
- syn. *synthetica* RILEY, Proc. Ent. Soc. Wash., ii, 312, 1892.

NEOLOPHUS Walsingham.

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6577. **furcatus** WALSINGHAM, Trans. Ent. Soc. Lond., 141, 1887. Ariz.
6578. **persimplex** DYAR, Can. Ent., xxxii, 327, 1900. Ariz.

EULEPISTE Walsingham.

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6579. **ressoni** WALSINGHAM, Trans. Am. Ent. Soc., x, 169, 1882; Trans. Ent. Soc. Lond., 142, 1887. Tex.
6580. **maculifer** WALSINGHAM, Trans. Ent. Soc. Lond., 143, 1887. Ariz.
6581. **cockerelli** DYAR, Can. Ent., xxxii, 307, 1900. N. Mex.

HYPOCOLPUS Walsingham.

WALSINGHAM, Trans. Ent. Soc. Lond., 144, 1887.

6582. **griseus** WALSINGHAM, Trans. Ent. Soc. Lond., 144, 1887. D. C., Tex., Ariz.

6583. **mortipennellus** GROTE, Can. Ent., iv, 137, 1872; So.
xviii, 199, 1886; WALSINGHAM, Trans. Am. Ent. Atl.
Soc., x, 167, 1882; Trans. Ent. Soc. Lond., 150, States.
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syn. *quadripunctellus* DYAR, Can. Ent., xxxii,
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ACROLOPHUS Poey.

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6585. **cervinus** WALSINGHAM, Trans. Ent. Soc. Lond., Fla.,
151, 1887; DYAR, Can. Ent., xxxii, 308, 1900. Tex.
syn. *angustipennellus* BEUTENMÜLLER, Ent.
Amer., iii, 140, 1887.
6586. **texanellus** CHAMBERS, Bull. Geol. Surv. Terr., N. C.,
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Lond., 152, 1887.
6587. **hulstellus** BEUTENMÜLLER, Ent. Amer., iii, 139, Fla.
1887.
6588. **arizonellus** WALSINGHAM, Trans. Ent. Soc. Lond., Ariz.,
153, 1887; DYAR, Can. Ent., xxxii, 309, 1900. N. Mex.
6589. **simulatus** WALSINGHAM, Trans. Am. Ent. Soc., x, Tex.,
168, 1882; Trans. Ent. Soc. Lond., 148, 1887. Ariz.

ATOPOCERA Walsingham.

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ANAPHORA Clemens.

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6591. **propinqua** WALSINGHAM, Trans. Ent. Soc. Lond., Fla.
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6592. **confusellus** DYAR, Can. Ent., xxxii, 309, 1900. So. Atl.
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- *6593. **morrisoni** WALSINGHAM, Trans. Ent. Soc. Lond., Fla.
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6594. *popeanella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 261, 1859; Tin. No. Am., 57, 1872; WALSINGHAM, Trans. Ent. Soc. Lond., 161, 1887; Proc. Zool. Soc. Lond., 515, 1891; 172, 1897; CHAMBERS, Can. Ent., iv, 137, 143, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 215, 1873.
syn. *agrotipennella* GROTE, Can. Ent., iv, 137, 1872; MURTFELDT, Can. Ent., viii, 185, 1876; *scardina* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 215, 1873.
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6596. *macrogaster* WALSINGHAM, Trans. Ent. Soc. Lond., 165, 1887.
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- WALSINGHAM, Trans. Ent. Soc. Lond., 169, 1887.
6597. *piger* DYAR, Can. Ent., xxxii, 327, 1900.
6598. *variabilis* WALSINGHAM, Trans. Ent. Soc. Lond., 169, 1887; DYAR, Can. Ent., xxxii, 310, 1900.
- FELDERIA Walsingham.
- WALSINGHAM, Trans. Ent. Soc. Lond., 165, 1887.
6599. *flicicornis* WALSINGHAM, Trans. Ent. Soc. Lond., 167, 1887.
syn. *mexicanellus* BEUTENMÜLLER, Ent. Amer., iv, 29, 1888; *flicicornis* DYAR, Can. Ent., xxxii, 310, 1900.
6600. *dorsimacula* DYAR, Can. Ent., xxxii, 328, 1900.
- PSEUDANAPHORA Walsingham.
- WALSINGHAM, Trans. Ent. Soc. Lond., 170, 1887.
6601. *davisellus* BEUTENMÜLLER, Ent. Amer., iii, 139, 1887.
a. minor DYAR (smaller, the pale marks grayer and more contrasted).
6602. *arcanella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 262, 1859; WALSINGHAM, Trans. Ent. Soc. Lond., 170, 1887; DYAR, Can. Ent., xxxii, 310, 1900.
6603. *mora* GROTE, Bull. U. S. Geol. Surv. Terr., vi, 257, 1882; DYAR, Can. Ent., xxvii, 15, 1895; xxxii, 310, 1900; MERRICK, Proc. Ent. Soc. Wash., v, 40, 1902.

Atl.
States,
Rocky
Mts.So. Atl.
States.

Ariz.

Tex.

Rocky Mts.,
Ariz.Ariz.,
Mex.

Tex., Ariz.

Ariz.,
Tex.Atl.
States.Atl.
States.

Superfamily MICROPTERYGOIDEA.

Family HEPIALIDÆ.

(C. = NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 166-170, 1894)

STHENOPIS Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 390, 1864; NEUMOEGEN & DYAR, C. 166.

6604. **argenteomaculatus** HARRIS, Rept. Ins. Mass., 295, 1841; NEUMOEGEN & DYAR, C. 166. No. Atl. States.
- syn. *argentina* PACKARD, *alni* KELLICOTT.
- a. purpurascens* PACKARD, Bost. Jn. Nat. Hist., vii, 598, 1863.
- b. los* STRECKER, Proc. Acad. Nat. Sci. Phil., 282, 1893.
- c. perdita* DYAR, Can. Ent., xxv, 327, 1893.
6605. **quadriguttatus** GROTE, Proc. Ent. Soc. Phil., iii, 73, 1864; NEUMOEGEN & DYAR, C. 167. No. Atl. States.
- syn. *semiauratus* NEUMOEGEN & DYAR.
6606. **thule** STRECKER, Lep. Rhop. Het., 105, pl. 12, f. 6, 1875; NEUMOEGEN & DYAR, C. 167. Can., Wis.
- *6607. **auratus** GROTE, Can. Ent., x, 18, 1878; NEUMOEGEN & DYAR, C. 167. N. Y., N. H.

HEPIALUS Fabricius.

FABRICIUS, Syst. Ent., 589, 1775; NEUMOEGEN & DYAR, C. 167.

6608. **hyperboreus** MÖSCHLER, Wien. ent. Mon., vi, 129, 1862; NEUMOEGEN & DYAR, C. 168. No. U. S.
- syn. *pulcher* GROTE, *meqlashani* HY. EDWARDS.
- a. matthewi* HY. EDWARDS, Proc. Cal. Acad. Sci., v, 265, 1874.
- b. confusus* HY. EDWARDS, Pap., iv, 122, 1884.
- syn. *roseicaput* NEUMOEGEN & DYAR.
6609. **mustelina** PACKARD, Proc. Ent. Soc. Phil., iii, 393, 1864; NEUMOEGEN & DYAR, C. 168. No. Atl. States.
- syn. *labradorensis* PACKARD.
6610. **gracilis** GROTE, Proc. Ent. Soc. Phil., iii, 522, 1864; NEUMOEGEN & DYAR, C. 168. No. Atl. States.
- syn. *furcatus* GROTE.
6611. **lembertii** DYAR, Ent. News, v, 25, 1894; NEUMOEGEN & DYAR, C. 168. Cal.
6612. **sequoiolus** BEHRENS, Can. Ent., viii, 174, 1876; NEUMOEGEN & DYAR, C. 168. Pac. States.
- syn. *mendocinolus* BEHRENS.

6613. *behrensii* STRETCH, Zyg. Bomb. No. Am., 105, 1872; NEUMOEGEN & DYAR, C. 168.
syn. *tacomæ* HY. EDWARDS. Pac. States.
6614. *montanus* STRETCH, Zyg. Bomb. No. Am., 105, 1872; NEUMOEGEN & DYAR, C. 170.
syn. *desolatus* STRECKER, *baroni* BEHRENS, *anceps* HY. EDWARDS, *rectus* HY. EDWARDS. Pac. States.
6615. *hectoides* BOISDUVAL, Ann. Soc. Ent. Belg., xii, 85, 1868; NEUMOEGEN & DYAR, C. 170.
syn. *modestus* HY. EDWARDS, *inutilis* HY. EDWARDS. Cal., Ariz.
- a. lenzi* BEHRENS, Can. Ent., viii, 175, 1876.
syn. *sangaris* STRECKER.
- *6616. *californicus* BOISDUVAL, Ann. Soc. Ent. Belg., xii, 85, 1868; NEUMOEGEN & DYAR, C. 170. Cal.

Family MICROPTERYGIDÆ.

ERIOCEPHALA Curtis.

CURTIS, Brit. Ent., xvi, 1839.

- *6617. *luteiceps* WALKER, Cat. Brit. Mus., xxviii, 494, 1863; WALSINGHAM, Proc. Zool. Soc. Lond., 83, 1880. Atl. States.
6618. *auricyanea* WALSINGHAM, Trans. Am. Ent. Soc., x, 204, 1882. Atl. States.
- *6619. *griseocapitella* WALSINGHAM, Ent. Rec., x, 161, 1898. Atl. States.
- *6620. *aurosarsella* WALSINGHAM, Proc. Zool. Soc. Lond., 83, 1880. Pac. States.
- EPIMARTYRIA Walsingham.
- WALSINGHAM, Ent. Rec., x, 161, 1898.
- *6621. *pardella* WALSINGHAM, Proc. Zool. Soc. Lond., 83, 1880. Pac. States.
- *6622. *aurierinella* WALSINGHAM, Ent. Rec., x, 161, 1898. Atl. States.

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