PRIMARY TYPES OF MICROLEPIDOPTERA IN THE MUSEUM OF COMPARATIVE ZOOLOGY (WITH A DISCUSSION ON V. T. CHAMBERS’ WORK)

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ABSTRACT: Primary types (holotypes, lectotypes and syntypes) in the moth superfamilies Eriocranioidae, Hepialoidea, Nepticuloidea, Incurvarioidae, Tineoidea (except Gracillariidae), Gelechioidea (except Coleophoridae), Copromorphoidea, Yponomeutoidea, Sesioidea, Cossioidea, Tortricoidae, Zygaenoidea, Pyraloidea, and Pterophoroidea are listed. Most of the taxa are Nearctic, several Neotropical. Authors included are S. E. Cassino, V. T. Chambers, W. G. Dietz, H. Edwards, C. Fish, W. T. M. Forbes, H. Frey and J. Boll, A. R. Grote, T. W. Harris, G. D. Hulst, W. D. Kearlott, A. S. Packard, Lord Walsingham, and P. C. Zeller. Lectotypes are designated herein for *Anacampsis quadrimaculella* (Chambers) and *Isophritcis trimaculella* (Chambers) (both Gelechiidae).

INTRODUCTION

Classification of several groups of North American microlepidoptera is made very difficult because most early workers on this fauna did not designate type specimens; their descriptions are inadequate to recognize the species; their “type” material was sent to more than one institution; and among them they described several hundred species. The Museum of Comparative Zoology (MCZ), Harvard University, has a significant number of types of these authors, particularly of V. T. Chambers. Chambers is notorious for his very brief and inadequate descriptions, the large number of his often very short papers in scattered journals, the large number of species for which no type material exists, and for the fact that his types were dispersed among the MCZ and contemporary workers. Because we have studied Chambers’ papers and believe we have uncovered nearly all remaining specimens that can be considered authentic, we have included a discussion of specimens in other collections (see Appendix) and Chambers’ bibliography to apprise other workers of the facts they will need when selecting lectotypes or Designating neotypes. Many species are represented by no extant type material or are not represented by specimens in the MCZ; their names do not appear in the catalog.

This catalog lists the primary types of 609 taxa of Microlepidoptera located in the MCZ. All holotypes, lectotypes, and syntypes in the families treated are listed along with some paralectotypes and “pseudotypes.” All specimens (except obvious paratypes) with numbered red “M.C.Z. type” labels are included. These red numbered labels were placed on the specimens by Nathan Banks and subsequent curators and sometimes are not accurate as noted in this list. Some lectotypes have been designated by previous authors by inference of holotype (Article 74(b), International Code of Zoological Nomenclature, third edition, 1985). For example, a lectotype was designated for *Neptica castaneae-follicella* Chambers by inference of holotype. We have not designated additional lectotypes here (except for two as part of

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Hodges' research) because this action should be left to specialists as part of the revision process. Each species-group entry has five potential topics: 1) Original combination, author, and date-page citation; 2) Category of type, sex of specimen(s), and MCZ type number; 3) Geographic distribution as indicated in the original description and/or labels accompanying the type specimens; 4) Current valid name (if different from original combination); and 5) Remarks.

Information presented in brackets [ ] represents additions to or corrections of the original description. The present valid name of each taxon listed, if it differs from the original combination, is also included (following Hodges, et al., 1983 and more recent literature). Sex is included only when it could be determined readily without damaging the specimen. The locations of some other syntypes are indicated if known, using the following abbreviations: AMNH = American Museum of Natural History, New York; ANSP = Academy of Natural Sciences, Philadelphia; BMNH = British Museum (Natural History), London; LACM = Natural History Museum of Los Angeles County, Los Angeles; and USNM = National Museum of Natural History, Smithsonian Institution, Washington.

The following superfamilies (following Hodges, et al., 1983) are included in the list: Eriocerioidae, Hipelaloidea, Nepticuloidae, Incurvarioidae, Tineoidea (except Gracillariidae), Gelechioidae (except Coleophoridae), Copromorphoidea, Yponomeutoidea, Sesioidea, Cossoidea, Tortricoidae, Zygaenoidea, Pyraloidea, and Pterophoroidea. Data for Tineidae and Blastobasidae were provided by D. R. Davis and D. Adamski, respectively. Gracillariidae are under study by D. R. Davis (USNM). Coleophoridae are under study by B. Wright (Nova Scotia Museum) and were discussed by McDunnough (1944).

All the types listed here are in the main MCZ collection, except those in the Harris collection, which is maintained separately from the general collection. The MCZ collection includes the Peabody Academy collection (the Peabody Academy still exists in Salem, Massachusetts, but no longer maintains entomological collections) and the types from the now defunct Boston Society of Natural History. Details on the major type collections discussed here follow:

Vector T. Chambers: Most of the remains of the Chambers collection are at the MCZ, with another significant part at the USNM. See appendix for discussion of possible Chambers types at the BMNH. Chambers deposited types at the MCZ between 1876 and 1883 (Hagen, 1884); many of them are in very poor condition, and many probably are not true types but specimens substituted by Chambers for lost or damaged types.

Walsingham (1889: 24) wrote, "Chambers, in distributing specimens to his various correspondents, frequently appears to have attached a wrong name to them. He admits in more than one instance in his writings. The utmost caution is required before accepting a specimen in any collection as a co-type of any one of his species."

Chambers (1877c: 39) wrote: "... But a few years ago I began to make a collection to be preserved as types of all my species. These were all pinned and spread. Unfortunately, during my absence in Colorado, the greater part of this collection was destroyed. One or more specimens of the greater number of species were fortunately preserved, and most other species can be supplied. This collection is now in the Cambridge Museum [MCZ]. It contains types — pinned and spread — of something over 200 species." (See also Braun, 1963: 2; Hagen, 1884; Sattler, 1962.)

Most Chambers specimens bear only the data "Kentucky./Chambers." (machine printed) along with a handwritten determination label, and frequently a large handwritten number (between 12 and 164) on a separate label (the meaning of which remains unknown). Most of these were presumably collected around his home in
Covington, Kentucky (Chambers, 1875b: 234). Chambers wrote (1872: 433), "Out of at least one hundred and fifty species of *Tineichina* which I have found here, fully three-fourths have been taken resting upon the leeward side of a board fence not two hundred yards long, at Linden Grove Cemetery at this place [Covington, Kentucky]."

Other major lots of material include those collected by Chambers (and others) in Colorado in 1875 (and other years) and Texas specimens purchased by Chambers from Gustaf W. Belfrage. Belfrage lived near Norse, Bosque County (some 60 km northwest of Waco), Texas, from 1868 to 1882 (Geiser, 1948). Most, but not all, of Belfrage’s moth material was probably collected there.

The USNM has many Chambers types, obtained primarily through acquiring the collections of C. H. Fernald (which included part of the M. Murfeldt collection), F. H. Belanger (via Laval University, Quebec), and W. Saunders (Busck, 1903: 768).

Type localities for many of Chambers’ species are not obvious from the original descriptions. We have followed the label data on the types, unless contradicted by other evidence.

Because of the scattered nature of Chambers’ publications, we have included all of them on Lepidoptera in our literature section, whether mentioned here or not.

William G. Dietz: His types of Blastobasidae and Gracillariidae are in the MCZ.

Heinrich Frey and Jacob Boll: Several types of species described by Frey and Boll (1873) previously assumed to be at the BMNH (e.g., Braun, 1972: 56) are present. These were evidently collected by Boll around Cambridge, Massachusetts, in autumn 1871 (Geiser, 1948: 22–23).

Thaddeus W. Harris: Probably the oldest extant collection of North American insects, most specimens are still in good condition. It is held as a separate unit at the MCZ because the labels are cryptic (Johnson, 1925). Most specimens bear Harris numbers, the catalog of which is in the MCZ Archives. Specimens for which further data are not given probably came from Massachusetts.

George D. Hulst: As discussed by Rindge (1955), the main Hulst collection is at AMNH, but the MCZ has syntypes of some Hulst taxa.

William D. Kearfott: The MCZ has a number of Kearfott syntypes (labeled “co-type”), some of which have now become paralectotypes. As discussed by Klots (1942: 392–393), much of Kearfott’s collection is in AMNH, but parts are in USNM (via the Barnes collection), and elsewhere (including MCZ). The best candidates for lectotype designation for Kearfott taxa will generally be found at AMNH or USNM, not at MCZ. Authorship of lectotype designations in some Kearfott Tortricidae remains problematic; Klots (1942) credited many lectotype designations to Heinrich (1923, 1926). However, Heinrich did not publish which specimen he considered the type if there was more than one syntype in AMNH. Klots usually did designate individual specimens, and should be considered the designator of most of the lectotypes in question.

Alpheus S. Packard, Jr.: Included here are California specimens collected by Henry Edwards. Some of these Edwards specimens bear Edwards’ catalog numbers; data from Edwards’ catalog (now in AMNH) are included here.

Lord Walsingham [Thomas de Grey]: The MCZ has one Walsingham holotype (Eriocerididae) and many syntypes (Oecophoridae and Plutellidae). The syntypes are duplicates of species described by Walsingham (1881) from material he collected in California and Oregon in 1871–72 (see Essig, 1941), which were sent to Chambers by Walsingham. Lectotypes for these taxa should be designated from syntypes in the Walsingham collection at the BMNH.

Philipp C. Zeller: The MCZ has most of the specimens collected by Jacob Boll around Dallas, Texas in late 1869 and 1870.
(Geiser, 1929, 1948) and described by Zeller in three papers on North American Microlepidoptera (1872, 1873, 1875). The Boll specimens were purchased by Louis Agassiz for the MCZ and sent to Zeller for study. They all bear characteristic labels: machine printed “Dallas Tex. Boll” and handwritten Zeller determination labels on green paper.

The following corrections and additions to recent literature are noted in the list: Several types not located by Wilkinson and co-authors are included (Nepticulidae). The syntypes of 11 Harris species reported lost by Duckworth and Eichlin (1978) are included (Sesiidae). The following were accidentally omitted from Hodges, et al. (1983): “Elachista” texanella Chambers (Sphingidae), Paralipsa fulminalis (Zeller) (Pyralidae) and Marasmarcha puntillo (Zeller) (Pterophoridae). Problems are noted in previous lectotype selections for Pyrausta unifascialis (Packard) (Pyralidae) and Odema matophorus grandis (Fish) (Pterophoridae). LECTOTYPES are here designated for Aneacampus quadrinaculella (Chambers) and Isophrichis trimaculella (Chambers) (both Gelechiidae). “Scythris” albapenella (Chambers) is here transferred from Scythrididae to Blastobasidae on advice of J. F. Landry and D. Adamski; Adamski will deal with its generic placement in a subsequent publication.

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SUPERFAMILY ERIOCRANIOIDEA

Family Eriocraniidae

aurieyanea Walsingham, 1882: 204, Micropteryx [sic]
HOLOTYPE male, MCZ 1622; [United States: probably California (see Davis, 1978)]; Dyseriocrania aurieyanea (Walsingham).

SUPERFAMILY HEPIALOIDEA

Family Hepialidae

argenteomaculatus Harris, 1841: 295, Hepiolus [sic]
SYNTYPE, MCZ 26378; United States: Massachussets, Cambridge, Harris no. 257; Sthenopus argenteomaculatus (Harris); Often cited as 1842, the description was originally published in 1841, and reprinted in 1842 (page 295 of both works).

labradoriensis Packard, 1864c: 394, Hepialus; HOLOTYPE [2] male, MCZ 160; Canada: Labrador, Straits of Belle Isle, Caribou Island, Salmon Bay, 3 August 1860, A. S. Packard, Jr.; Korscheltellus gracilis (Grote) (see Wagner, 1988); Abdomen and wings glued in place.

SUPERFAMILY NEPTICULOIDEA

Family Nepticulidae

apicialbella Chambers, 1873: 127, Nepticula; PARALECTOTYPES (5), MCZ 1496; United States: Kentuck, June, Chambers; Stigmella apicialbella (Chambers); Lectotype (USNM type 523) and 3 paralectotypes in USNM designated by Newton and Wilkinson (1982: 367).

bosquella Chambers, 1878c: 106, Nepticula; SYNTYPES (2 males), MCZ 14958; United States: Texas, Bosque County; Ectoedemia obrutella (Zeller); A male syntype in USNM (type 524).

castaneaeofoliella Chambers, 1873a: 117, Nepticula; LECTOTYPE female, MCZ 14956; United States: Kentucky, Chambers; Stigmella castaneaeofoliella (Chambers); Wilkinson and Soble (1979: 40) designated the lectotype (Code, Art. 74(b)).

ciliaefuscella Chambers, 1873: 128, Nepticula; SYN-

TYPE, MCZ 1301; United States: Kentucky, "at lamp," 23 August [year not stated], Chambers; Stigmella fuscotibibella (Clemens).

clemensella Chambers, 1875: 125, Nepticula; LEC-
TOTYPE female, MCZ 14955; United States: Kentucky, Chambers; Ectoedemia Clemensella (Chambers); Lectotype and paralectotype in MCZ by Wilkinson and Scoble (1979: 56).

grandisella Chambers, 1880b: 193, Nepticula: HOLOTYPE male, MCZ 1302; United States: Texas; Ectoedemia Clemensella (Chambers).

juglandifoliella Chambers, 1878c: 105, Nepticula; SYNTYPES, MCZ 1495; United States: Kentucky, Chambers; Stigmella juglandifoliella (Clemens); Chambers (1878c) used Clemens’ (1861) name for “mine and adult,” the mine of which was described by Clemens. Despite acknowledgement of Clemens’ previous use, Chambers called his name a new species.

latifasciella Chambers, 1878c: 126, Nepticula; SYNTYPES (2), MCZ 14951; United States: Kentucky, Chambers; Ectoedemia platanella (Clemens); Not mentioned by Wilkinson and Scoble (1979) or Wilkinson and Newton (1981).

pomivorella Packard, 1870: 237, Micropteryx: SYNTYPE, MCZ 1499; United States: Massachusetts, Salem, A. S. Packard, Jr; Stigmella pomivorella (Packard); There are two specimens, an adult (“Imm. 12[18]71”) and a cocoon (“Apple June 19”), probably from the same individual as stated by Busck (1901: 52).

quercianella Chambers, 1873: 127, Nepticula; SYNTYPES (3), MCZ 1304; United States: Kentucky, Chambers; Stigmella cajennella (Clemens).

quercipulchella Chambers, 1878c: 105, Nepticula; HOLOTYPE male, MCZ 14957; United States: Kentucky, Chambers; Stigmella quercipulchella (Chambers).

resplendensella Chambers, 1875a: 118, Nepticula; LECTOTYPE, MCZ 14954; United States: Kentucky, 25 May [year not stated], Chambers; Stigmella resplendensella (Chambers); Lectotype designated by Newton and Wilkinson (1982: 456) who incorrectly stated it was in ANSP.

serotinaezae Chambers, 1873: 126, Nepticula; SYNTYPE, MCZ 1498; United States: Kentucky, Chambers; Stigmella pruniifoliella (Clemens); Head and forewings only.

thoracealbella Chambers, 1873: 127, Nepticula; LECTOTYPE male, MCZ 14952; United States: Kentucky, June, Chambers; Microcalyptis thoracealbella (Chambers); Wilkinson (1979: 70) designated the lectotype (Code, Art. 74(b)).

unifasciella Chambers, 1875a: 119, Nepticula; LECTOTYPE female, MCZ 1305; United States: Kentucky, Chambers; Stigmella unifasciella (Chambers); Lectotype and paralectotype also in MCZ, designated by Newton and Wilkinson (1982: 440).

Family Tischeriidae

aenea Frey and Boll, 1873: 222, Tischeria; SYNTYPES (5), MCZ 1349; United States: Massachusetts, “Cambria,” (=Cambridge, Boll or Cambridge, Boston); Braun (1972: 56) stated “Type, Texas (probably Dallas) [BM],” but type locality is not specified in original description, and introduction to the paper indicates most of the species were reared by Boll at Cambridge.

badiiella Chambers, 1875a: 109, Tischeria; SYNTYPES (8), MCZ 14941; United States: Kentucky, Chambers; Braun (1972: 21) stated “Type, Kentucky (MCZ); Type [female] Kentucky(?), genitalia slide 9707 J.F.G.C. (USNM).” USNM specimen is type 516.

clemensella Chambers, 1875c: 99, Tischeria; SYNTYPE, MCZ 14940; United States: Texas; Braun (1972: 34–35) stated type locality is Kentucky as implied by Chambers (1875a: 110, 1875c: 99), but specimen is labelled “Tex.”

concolor Zeller, 1875: 352, Tischeria; HOLOTYPE female, MCZ 1348; United States: Texas, Dallas, Boll; Braun (1972: 27) stated “Type [female], Texas (MCZ).”

fuscomarginella Chambers, 1875a: 110, Tischeria; LECTOTYPE male, MCZ 14938; United States: Kentucky, Chambers; Braun (1972: 35) designated the lectotype (Code, Art. 74(b)).

heliospissella Chambers, 1875a: 113, Tischeria; SYNTYPES (2), MCZ 1503; United States: Kentucky, Chambers.

laipenella Chambers, 1875c: 97, Tischeria; HOLOTYPE male, MCZ 14942; United States: Texas, Tischeria zelleriella Clemens.

pulvella Chambers, 1878c: 99, Tischeria; LECTOTYPE, MCZ 1505; United States: Texas; Braun (1972: 97) designated the lectotype (Code, Art. 74(b)).

purimosa Chambers, 1875a: 110, Tischeria; LECTOTYPE, MCZ 14939; United States: Kentucky, Chambers; Braun (1972: 29) designated the lectotype (Code, Art. 74(b)).

quercivorella Chambers, 1875a: 109, Tischeria; SYNTYPES (5), MCZ 1506; United States: Kentucky, Chambers; Tischeria citrinipennella Clem-
men; Braun (1972: 15) stated "Type [male], Kentucky (MCZ)," but no specimen was labelled lectotype.

russeticola Frey and Boll, 1873: 223, Tischeria; SYNTAXES (2), MCZ 1350; United States: Massachusetts, "Cambr. B."; See comments under Tischeria avnea regarding type locality.

tinctoriella Chambers, 1875a: 108, Tischeria; SYNTAXE, MCZ 150; United States: Kentucky, Chambers; Tischeria quercitella Clemens; Two additional specimens, labelled only, "Kentucky./ Chambers." may be syntypes also.

SUPERFAMILY INCURVARIOIDEA

Family Incurvariidae

alba Zeller, 1873: 232, Tegeticula; LECTOTYPE male, MCZ 2922; United States: Texas, Dallas, Boll; Tegeticula yuccasella (Riley); Lectotype designated by Davis (1967: 51).


bella Chambers, 1873: 73, Adela; SYNTAXE female, MCZ 1402; United States: Kentucky, May, Chambers; Adela caerulea Walker.

chalybeis Zeller, 1873: 226, Adela; HOLOTYPE male, MCZ 52960; United States: Texas, Dallas, Boll; Adela caerulea Walker.

dietziella Kearfott, 1908: 187, fig. 6, Incurvaria?; SYNTAXES (4), MCZ 14236; United States: New Jersey, Essex County, 30 May 1907, W. D. Kearfott; Chalceopa dietziella (Kearfott).

paradoxa Chambers, 1878e: 149, Hyponomeuta [sic]; LECTOTYPE male, MCZ 32959; United States: Colorado, "nine miles north of Colorado Springs and thence 5 miles east of the mountains"; Prodoxus quinquepunctellus (Chambers); Lectotype and four paralecotypes also in MCZ designated by Davis (1967: 76).

quadrifasciata Chambers, 1875d: 7, Hyponomeuta [sic]; LECTOTYPE female, MCZ 1413; United States: Texas, Bosque County; Prodoxus quinquepunctellus (Chambers); Lectotype designated by Davis (1967: 73).

rheumapterella Dietz, 1905: 37, pl. 1, fig. 4, Incurvaria; LECTOTYPE female, MCZ 2873; United States: Colorado, Durango; Prodoxus coloradensis Riley; Lectotype and paralecotype also in MCZ designated by Davis (1967: 83).

Family Heliozelidae

aesella Chambers, 1877a: 108, Heliozella; HOLOTYPE, MCZ 1512; United States: Kentucky, near Covington, 24 April, Chambers; Head and right front wing only.

ampelopsifoliella Chambers, 1874a: 168, Antispila; PSEUDOTYPES (3), MCZ 1367; United States: Kentucky, Chambers; Chambers (1874: 168) states "known only in the larval state," so these cannot be types. One of the three specimens is missing from its minutum.

gracilis Zeller, 1873: 314, Heliozella; HOLOTYPE male, MCZ 1351; United States: Texas, Dallas, Boll.

viticordifoliella Chambers, 1874a: 168, Antispila; SYNTAXE (2), MCZ 1368; United States: Kentucky, Chambers.

SUPERFAMILY TINEOIDEA

Family Tineidae

Donald R. Davis

apachella Dietz, 1905: 7, Amydria; SYNTAXE female, MCZ 2904; United States: Arizona, Catalina] Springs; The type series of apachella is mixed. This specimen (MCZ 2904) is curcistrigella Dietz. One female syntype (Williams, Arizona) of apachella is in USNM.

apicisignata Dietz, 1905: 65, Tinea; SYNTAXES (2 of 3), MCZ 2862; United States: New Hampshire, Hampton and Pennsylvania, Hazleton; Nemapogon variatella (Clemens); Both MCZ syntypes lack abdomens and one lacks a forewing. An additional female syntype is in USNM.

approximataella Dietz, 1905: 27, Scardia; PARALEC- TOTYPES (8), MCZ 2889 and 1 PSEUDOTYPE, MCZ 2889; United States: New Jersey, Essex County (Kearfott); and Pennsylvania, Hazleton, and Mauch Chunk; Scardia approximataella (Dietz); One Hazleton, Pennsylvania, "syntype" bears a label date of "6/28 06" and therefore may not be a true type. Lectotype male and paralecotype female in USNM, designated by Robinson (1986: 109).

argentinotella Chambers, 1876b: 104, Semelis; SYNTAXE female, MCZ 1400; United States: Kentucky, June, Chambers; Homosetia argentinotella (Chambers); No other syntypes are known.

arizonella Dietz, 1905: 6, Amydria; SYNTAXE male, MCZ 2903; United States: Arizona, Huachuca; Abdomen missing. Another male syntype (Phoenix, Arizona) in USNM.

auriculifera Chambers, 1873a: 119, Pitys; SYNTAXE female, MCZ 1397; United States: Kentucky, Chambers; Homosetia auriculifera (Chambers); No other syntypes are known.

auristigmata Chambers, 1875a: 86, Tinea; SYNTAXE male, MCZ 14943; United States: Kentucky, July, Chambers; Isocorypha mediostriatella Clemens; In
poor condition and glued to a paper point. No other syntypes are known.

**auropulvella** Chambers, 1873a: 90, *Tinea*; SYNTYPES (1 male, 2 females), MCZ 1391; United States: Kentucky, July; *Nemapogon auropulvella* (Chambers); Two additional male syntypes in USNM.

**aurosuffusella** Chambers, 1873a: 87, *Tinea*; SYNTYPE female, MCZ 1394; United States: Kentucky; Chambers; *Hybroma scruedula* Clemens; No other syntypes are known.

**behrensella** Chambers, 1875b: 249, *Tinea*; HOLOTYP, presumed lost; United States: California, San Francisco, J. Behrens.

**bimaculella** Chambers, 1873a: 87, *Tinea*; SYNTYPES (3 males), MCZ 1358; United States: Kentucky, Chambers; *Tinea mandarinella* Dietz; Chambers' name is preoccupied by Thunberg, 1794.

**bipunctella** Dietz, 1905: 77, *Progonia*; HOLOTYPE female, [no MCZ number]; United States: Florida, Hastings; *Mea bipunctella* (Dietz); Specimen mostly destroyed, only fragments of mesostructure adhering to pin.

**brevipennella** Dietz, 1905: 5, *Amydria*; SYNTYPES (5 males), MCZ 2901; United States: District of Columbia, Washington, A. Busck; Maryland, Plummer's [sic] Island, A. Busck; Additional syntypes in USNM (13) and BMNH (3).

**buseckiella** Dietz, 1905: 12, *Paraplesia*; PSEUDOTYPE female, MCZ 2892; United States: Arizona, Catalina Springs, [E. A. Schwarz]; *Hypoplesia buseckiella* (Dietz); Dietz (1905) states that the only material examined by him was a single male (therefore the holotype) in the USNM. Consequently the MCZ "cotype" and a male "cotype" in LACM are not true types.

**carbonella** Dietz, 1905: 30, *Abacobia*; SYNTYPES (1 male, 4 females), MCZ 2871; United States: Pennsylvania, Hazleton, W. G. Dietz; *Elatobia carbo- nella* (Dietz); Two additional syntypes (male and female) in USNM.

**cariosella** Dietz, 1905: 17, *Epilegis*; SYNTYPE male, MCZ 2898; United States: California, Kaweah; *Setoumopha ratella* Zeller; Dietz described this species from two males from Kaweah, California. A female "cotype" in MCZ and another female "cotype" in LACM, both of which bear no locality labels, are not types.


**clemensella** Chambers, 1873a: 174, *Xylesthis; SYNTYPES (3 males, 3 females, 2 unknown), MCZ 1384; United States: Kentucky, [Chambers]; *Xylesthis pruniraniella* Clemens; Four MCZ syntypes are badly damaged with abdomens missing from three. Three additional male syntypes in USNM.

**coloradella** Dietz, 1905: 6, *Amydria*; SYNTYPES (1 male, 3 females), MCZ 2902; United States: Arizona, Santa Rita Mountains; California, Kaweah; and Colorado, Durango; *Amydria effrentella* Clemens; Two additional (male, female) syntypes in USNM.

**confusella** Dietz, 1905: 8, *Amydria*; SYNTYPES (6 females), MCZ 2906; United States: California, Pasadena; Two additional female syntypes in USNM.

**costotrigella** Chambers, 1873a: 87, *Tinea*; SYNTYPE male, MCZ 14947; United States: Kentucky, August and September, Chambers; *Nemapogon granella* (Linnaeus); Specimen in poor condition; right forewing and abdomen missing. No other syntypes are known.

**crescentella** Kearfott, 1907b: 9, *Amydria*; SYNTYPE male, MCZ 14235; United States: Arizona, Pima County, Baboquivari Mountains; *Acrolophus crescentella* (Kearfott); Three additional male syntypes in USNM. Presumably the fifth remaining syntype is in University of Kansas collection, Lawrence, Kansas.

**crisataella** Chambers, 1875b: 243, *Semule*; SYNTYPE male, MCZ 1401; United States: Kentucky, June, Chambers; *Homosetta crisataella* (Chambers); No other syntypes known.

**croceoverticella** Chambers, 1876b: 106, *Tinea*; SYNTYPE male, MCZ 1393; United States: Kentucky, Chambers; No other syntypes known.

**crueferella** Dietz, 1905: 14, *Paraneura*; SYNTYPES (2 males), MCZ 2895; United States: California, Mountain View; *Lindera tessellatella* (Blanchard); One male "cotype" each in LACM and USNM are pseudotypes.

**curviliinia** Dietz, 1905: 71, *Homostinea*; SYNTYPES (3 males), MCZ 2866; United States: District of Columbia, [Washington, A. Busck]; Kansas, Ongaga; Louisiana; Vowell's Mill; and, Missouri, St. Louis; Louisiana syntype is lost (only pin and labels remaining in MCZ). One male syntype (Washington, D.C.) is also present in LACM, but a second female "cotype" from Kentucky is a pseudotype.

**curvistrigella** Dietz, 1905: 8, *Amydria*; SYNTYPE female, MCZ 2905; United States: Arizona, Phoenix; Additional male syntype in USNM.

**dyarella** Dietz, 1905: 11, *Amydria*; HOLOTYPE female, MCZ 14234; United States: Pennsylvania, Hazleton; Two female paratypes also exist, one in MCZ and one in USNM.

**ehrhornella** Dietz, 1905: 13, *Paraneura*; SYNTYPES (2 males), MCZ 2894; United States: California, Mountain View; *Lindera tessellatella* (Blanchard).
cunitariaecella Chambers, 1873a: 85, Tinea; SYNTYPES (2 males, 2 females), MCZ 1395; United States: Kentucky, Chambers; Eudaria cunitariaecella (Chambers).

diassella Chambers, 1873a: 111, Pitys; SYNTYPE female, MCZ 1347; United States: Kentucky, Chambers; Homoseta diassella (Chambers). No other syntypes are known. Another female in extremely worn condition bearing Chambers' Kentucky label exists in MCZ, but it shows no other indications of being a syntype.

floridella Dietz, 1905: 77, Progonia; HOLOTYPE female, MCZ 2869; United States: Florida, Hastings; Miscrinella (Dietz). Holotype erroneously stated to be a male by Dietz.

fractiliina Dietz, 1905: 17, Apotonia; SYNTYPE male, MCZ 2599; United States: California, Pennsylvania; Setomorpha rutella Zeller; Additional female syntype in USNM.

frigidella Packard, 1867: 62, Oecophora; SYNTYPES (2 females), MCZ 1549; Canada: Labrador, Caribou Island, Square Island, Niditinea fuscella (Linnæus); Both syntypes in very poor condition with the abdomen missing from one.

fulvisulissella Dietz, 1905: 68, Tinea; HOLOTYPE male, MCZ 2564; United States: New Hampshire, Hampton; Nemapogon variatella (Clemens); A male pseudotype from the same locality in USNM.

fuscoeristatella Chambers, 1873a: 111, Pitys; SYNTYPE(S); presumed lost; United States: Kentucky; Homoseta fuscoeristatella (Chambers); Dietz (1905) examined the "type" of this species in the MCZ and considered it a synonym of Homoseta miscecristatella Chambers.

fuscofasiella Chambers, 1873b: 257, Euplocamus (?); LECTOTYPE female, MCZ 1385; United States: Kentucky, Chambers; Montescredia fuscofasiella (Chambers); Lectotype designated by Robinson (1966: 76).

fuscomaculella Chambers, 1873a: 88, Tinea; SYNTYPE male, MCZ 1494; United States: Kentucky, Chambers; Nemapogon granella (Linnaeus); No other syntypes known.

generulatella Dietz, 1905: 62, Tinea; SYNTYPES (2 females), MCZ 2561; United States: California, Occidental and Pasadena; Nemapogon generaulatella (Dietz); Deposition of an additional syntype from Kaweah, California, is unknown.

grisecella Chambers, 1873a: 88, Tinea; SYNTYPES (2 males), MCZ 1389; United States: Kentucky, Chambers; Niditinea fuscella (Linnæus); One syntype in very poor condition with head, abdomen, and left forewing missing.

hybromella Chambers, 1874a: 51, Oenoe; SYNTYPE male, MCZ 1399; United States: Kentucky, Chambers; No other syntypes known.

inamoenella Zeller, 1873: 224, Setomorpha; HOLOTYPE male, MCZ 2582; United States: Texas, Dallas, Boll, Setomorpha rutella Zeller.

interstitiella Dietz, 1905: 68, Tinea; HOLOTYPE male, MCZ 2563; United States: Georgia, Forsyth; Nemapogon intersitiella (Dietz).

irrorella Dietz, 1905: 34, Monopis; SYNTYPES (4 males, 3 females), MCZ 2572; United States: Pennsylvania, Hazleton and Mauch Chunk; Monopis marginistrigella (Chambers); Additional syntypes in LACM (1 male, 1 female) and USNM (2 males). Deposition of syntype(s) from New York unknown.

maculatella Dietz, 1905: 84, Homoseta; SYNTYPES (2 males), MCZ 2581; United States: California, Placer County; Pennsylvania, Hazleton; Homoseta margininaculella (Chambers); Syntype from Placer County, California, missing abdomen.

majorella Dietz, 1905: 15, Setomorpha; SYNTYPES (2 females), MCZ 2586; United States: California, Pennsylvania; Setomorpha rutella Zeller.

marginisrigella Chambers, 1873a: 88, Tinea; SYNTYPE, MCZ 14950; United States: Kentucky, Chambers; Monopis marginisrigella (Chambers); Specimen in very poor condition, glued to a point with only the head, prothorax, and right forewing. No other syntypes known.

margoriella Dietz, 1905: 11, Amydria; SYNTYPES (4 males), MCZ 2591; United States: Florida; Kansas, Lawrence; Texas, San Antonio; The type series appears to be mixed, with the eastern records most likely representing Amydria duarella Dietz. Dietz (1905) mentions syntypic material in USNM, but none has been found.

minutipulvella Chambers, 1875c: 212, Tinea; SYNTYPE female, MCZ 1390; Canada: Nemapogon acapnopennella (Chambers); Another female syntype in USNM.

mirianella Dietz, 1905: 90, Leucomele; SYNTYPES (4 males, 2 females), MCZ 2554; United States: Maryland, Plummer's [sic] Island; Pennsylvania, Hazleton and Mauch Chunk; Two additional male syntypes in USNM and one male syntype in BMNH.

miscerecristatella Chambers, 1873a: 111, Pitys; SYNTYPE female, MCZ 1395; United States: Kentucky, Chambers; Homoseta miscerecristatella (Chambers); No other syntypes known.

miscerecella Chambers, 1873a: 86, Tinea; SYNTYPE(S), presumed lost; United States: Kentucky; Dietz (1905) reported the poorly preserved "type" in MCZ.

molybdanella Dietz, 1905: 61, Tinea; SYNTYPES (2 females), MCZ 2580; United States: California, Pasadena; Nemapogon molybdanella (Dietz).

multimaculella Chambers, 1875c: 89, Gelechia; SYNTYPES (2 males), MCZ 1451; United States: Texas, Setomorpha rutella Zeller.
multistriatella Dietz, 1905: 59, Tinea; SYNTYPES (2 females), MCZ 2578; [Canada: Toronto]; Nemapogon *multistriatella* (Dietz); A female syntype is also present in the LACM (Plummers Island, Maryland). The MCZ syntypes lack locality labels.

nepotella Dietz, 1905: 21, Epichaeta; SYNTYPES (2 females), MCZ 2857; United States: California, Pasadena; *Apreta paradoxella* Dietz.

obscurella Dietz, 1905: 70, Tinea; HOLOTYPE, MCZ 2865; United States: New Jersey, Montclair, W. D. Kearfott; *Nemapogon granella* (Linnaeus).

obiquella Dietz, 1905: 10, Amydria; SYNTYPES (2 females), MCZ 2909; United States: California, Los Angeles County, Pasadena; Additional male syntype (Los Angeles County) in USNM.

obscurella Dietz, 1905: 52, Homosetia; HOLOTYPE male, MCZ 14945; United States: Kansas, Onaga; *Homosetia bifasciella* (Chambers).

occidentella Dietz, 1905: 9, Amydria onagella; SYNTYPES, presumed lost; United States: California, Mountain View and Pasadena.

occidentella Chambers, 1850b: 193, Tinea tapetzella; SYNTYPES (1 male, 1 female?), MCZ 1392; United States: California, San Francisco; *Tinea occidentella* Chambers; According to Chambers, the type series consisted of three specimens. The location of the third syntype is unknown.

onagella Dietz, 1905: 9, Amydria; SYNTYPES (2 males), MCZ 2908; United States: Kansas, Onaga; One syntype missing right wings.

opersosella Zeller, 1873: 223, Setomorpha; HOLOTYPE male, MCZ 2851; United States: Texas, Dallas, Boll; *Setomorpha rutella* Zeller; Abdomen and left wings missing.

ophrinella Dietz, 1905: 56, Tinea; HOLOTYPE male, MCZ 2875; United States: New York, Ithaca; *Nemapogon ophrinella* (Dietz); Left wings missing.

orleansella Chambers, 1873a: 85, Tinea; SYNTYPE male, MCZ 14949; United States: Louisiana, New Orleans; *Niditinea orleansella* (Chambers); Synotype in poor condition, unsprung, and glued to a point. No other syntypes known.

paradoxella Dietz, 1905: 21, Apreta; HOLOTYPE female, MCZ 2186; United States: California, Pasadena; Dietz (1905) misdetermined the holotype as a male.

paradoxella Dietz, 1905: 59, Tinea; SYNTYPES (3 females), MCZ 2879; United States: Pennsylvania, Hazleton; District of Columbia; Florida Hastings; *Nemapogon rileyi* (Dietz); One female syntype collected by Busck in Washington, D.C., and loaned to Dietz has been returned to USNM. The 25 specimens from Hastings, Florida (reared by Riley) were referred to by Dietz in the original description.

rileyi Dietz, 1905: 58, Tinea; HOLOTYPE male, MCZ 2877; United States: New Jersey, Essex County [Park], W. D. Kearfott; *Nemapogon rileyi* (Dietz).

ruderella Zeller, 1873: 225, Setomorpha; HOLOTYPE male, MCZ 14233; United States: Texas, Dallas, Boll; *Setomorpha rutella* Zeller.

seardina Zeller, 1873: 215, Anaphora; SYNTYPES (2 males), MCZ 33318; United States: Texas, Dallas; *Acrolophus popeanella* (Clemens); Two additional male syntypes in BMNH ("Carolina" and Texas).

septemstrigella Chambers, 1873c: 79, Tinea; HOLOTYPE male, MCZ 1386; United States: Texas; *Augolychna septemstrigella* (Chambers).

septemstrigella Chambers, 1873c: 91, Tinea; HOLOTYPE male, MCZ 2867; United States: Maryland, Plummer's [sic] Island, A. Busck; Three additional syntypes (2 males, 1 female) in USNM.

sexta Zeller, 1873: 14, Tryptodema; SYNTYPE male, MCZ 2897; United States: Colorado, Glenwood Springs, Pueblo; *Setomorpha rutella* Zeller; One additional male syntype each in USNM and LACM.

sexta Zeller, 1873: 13, Paraneura; SYNTYPE female, MCZ 2893; United States: California, Folsom and Los Angeles; *Lindera tessellatella* Blanchard; A second syntype (Los Angeles) in LACM.

siebenmorgenella Chambers, 1873a: 56, Tinea; SYNTYPE(S), presumed lost; United States: Kentucky, June.


sloanei Dietz, 1905: 56, Tinea; SYNTYPE male, MCZ 2907; United States: Arizona, Phoenix; California, Pasadena; *Amydria curvistrigella* Dietz; Dietz stated that the type series consisted of "two specimens, [male] and [female], in my collection." A second specimen in MCZ is hereby considered a syntype even though it is also a male (i.e., sex misdetermined by Dietz) and bears no type labels. Two "cotypes" in USNM must thereby be regarded as pseudotypes. One of these (from Pasadena) is a female, but it was misidentified and is *A. confusa* Dietz.


sloanei Dietz, 1905: 56, Tinea; SYNTYPE(S), presumed lost; United States: [type locality not stated].

solventella Dietz, 1905: 20, Semionota; SYNTYPES (8 males), MCZ 2900; United States: Cali-
toria, Pasadena; Setomorpha rutella Zeller; Four additional male syrynes in USNM.

tuscanella Dietz, 1905: 53, Tinea; SYNTYPE female, MCZ 2854; United States: Arizona. Tuscan [Tus-
son]; Tinea occidentella Chambers; No other syn-
types known.

unomaculella Chambers, 1875b: 258, Tinea; SYN-
TYPE female, MCZ 1387; United States: Texas; No other syrynes known.

vicinella Dietz, 1905: 55, Tinea; HOLOTYPE fe-
male, MCZ 2855; United States: Florida, Gotha; Ceratophaga ricinella (Dietz); Sex given as male in original description.

visiella Chambers, 1873a: 113, Gym: SYNTYPE male, MCZ 14794; United States: Kentucky, Vis-
alia; Chambers; Charoplecta visiella (Chambers); The single known syrnye is badly broken with the remaining parts glued to a point.

xanthostictella Dietz, 1905: 56, Tinea; HOLOTYPE male, MCZ 2876; United States: Georgia, Forsyth.

yumaella Kearfott, 1907b: 6, Plutella; SYNTYPE male (1 of 16); MCZ 11558; United States: Arizona, Yuma County, Desert; Dytopasta yumanica (Kearfott); Nine Yuma County syrynes in USNM, some of the remaining syrynes (other localities) at Uni-

Family Lyonetiidae

albella Chambers, 1871a: 23, Gymnastoma; SYN-
TYPES (2 of 4), MCZ 1506; United States: Ken-
tucky, Chambers; Paraleucoptera albella (Cham-
bers); One possible syrnye in USNM (type 518).

albella Chambers, 1877d: 140, Eurynome; SYN-
TYPES (2), MCZ 1312; United States: Colorado, near Edgerion, elevation about 6,500 feet; Phili-
nome albella (Chambers); Two possible syrynes in LACM.

albicapella Chambers, 1875c: 125, Bucculatrix; SYN-
TYPE (?), MCZ 14962; Canada; Bucculatrix agnella Chambers; Missing hind wings and abdo-
men. Braun (1963: 79); considered this name “an apparent transposition of syllables” of capitealla-
 Chambres. One possible syrnye in USNM (type 5776).

alniella Chambers, 1875c: 303, Lyoneta; SYN-
TYPES (9), MCZ 1313; United States: Colorado, “along Grand River, Clear Creek, Fall River and Fontain-que-Bonille, in all its stages, up to 9,000 feet altitude”. Another syrnye in LACM.

ambrosiapallida Chambers, 1875a: 119, Bucc ula-
trix; SYNTYPES (2), MCZ 1308; United States: Kentucky; bred from leaves of Ambrosia trifida Linneaus, Chambers.

apricistrigella Chambers, 1873a: 105, Lyoneta; SYN-
TYPE, MCZ 1314; United States: Kentucky, Aug-
gust, Chambers; Lyoneta specuella Clemens; Missing abdomen.

canadensisella Chambers, 1875e: 146, Bucculatrix; SYN-
TYPES, MCZ 1307; Canada; Missing abdomen. According to Braun (1963: 147) there is a female type in USNM (type 5775), but we could not locate it.

capitealla Chambers, 1873a: 150, Bucculatrix; HOLOTYPE, MCZ 14961; United States: Ken-
tucky, Chambers; Bucculatrix agnella Clemens; One ”syrnye” in USNM (type 519).

clemensella Chambers, 1874a: 97, Philonome; SYNTYPE 7 (2 missing from pins), MCZ 1311; United States: Kentucky, Chambers; One possible syrnye in USNM (type 522).

curvilinellatella Packard, 1869: 354, pl. 8, fig. 16, Lith-
ocolletis; SYNTYPE, MCZ 1347; [United States]; Bucculatrix pomifoliella Clemens; Broken and missing head.

fuscoscapulella Chambers, 1878c: 104, Acantho-
inemus; SYNTYPE, MCZ 1530; United States: Texas, Bosque County; Missing head and forewings.

inornatella Chambers, 1880b: 188, Eulonyella; SYN-
TYPE, MCZ 1353; United States: Texas, Belfrage; Missing left wings and abdomen.

litigiosella Zeller, 1875: 354, Bucculatrix; SYNTYPE (1 of 2) female (not male as stated by Zeller), MCZ 14959; United States: Texas, Dallas, Boll.

luteella Chambers, 1873a: 151, Bucculatrix; SYN-
TYPES (?), MCZ 1501; United States: Kentucky, March, Chambers; Braun (1963: 153) stated that some of these syrynes are Bucculatrix packardella, and that there is a female syrnye at USNM (type 520) and male syrnye at ANSP.

luteella Chambers, 1875c: 304, Eurynome; HOLO-
TYPE, MCZ 14964; United States: Colorado, Span-
ish Bar, 4 July; Philonome luteella (Chambers).

magnella Chambers, 1875d: 54, Bucculatrix; SYN-
TYPES (6), MCZ 1309; United States: Kentucky, Chambers; Braun (1963: 42-43) listed only one fe-
male ”type” in MCZ, and two ”paratyynes” in USNM.

obsurofasciella Chambers, 1873a: 150, Bucculatrix; SYNTYPE female, MCZ 1500; United States: Ken-
tucky, 25 May, Chambers; Bucculatrix trifasciella Clemens, Braun (1963: 136-137) noted a female syrnye in USNM (type 521).

packardella Chambers, 1873a: 151, Bucculatrix; ”SYNTYPES” (2), MCZ 14960; United States: Ken-
tucky, Chambers; Two specimens glued to the same point, labelled only “Kentucky, Chambers.” and
**STAINTONELLA** Chambers, 1878d: 133. Bucenlatrix; LECTOTYPE male, MCZ 1310; United States: Colorado, Edgerton, elevation 6,000 feet; Originally described by Chambers (1877d: 141) as *B. albella*, a name preoccupied by Stainton. Lectotype designated by Braun (1963: 74).

**SUPERFAMILY GELECHIOIDEA**

Family Oecophoridae

[Note: The Walsingham syntypes listed below were received by Chambers from Walsingham. Lectotypes should be designated from BMNH specimens.]

**ALBACILAEELLA** Chambers, 1878b: 77. Strobisia; HOLOTYPE, MCZ 1548; United States: Ohio, Cincinnati; *Menesta tortriciformella* Clemens; Head and thorax only.

**ALBELLAL** Chambers, 1874b: 235. Harpalyce; SYNTYPES (5), MCZ 1417; United States: Texas, Clifton, Belfrage; *Durantia piparetella* (Zeller).

**APICIPUNCTELLA** Chambers, 1875d: 8. Hyponomeuta; LECTOTYPE male, MCZ 1404; United States: Texas, Basque [sic] County, Belfrage; *Ethmia apicipunctella* (Chambers); Lectotype designated by Powell (1973: 88), also paralectotype in MCZ.

**ARGILLACEA** Walsingham, 1881: 313, pl. XXXVI, fig. 2. Depressaria; SYNTYPE, MCZ 14975; United States: California, Tehama County, Newville; *Agonopterix argillacea* (Walsingham).

**ARNICELLA** Walsingham, 1881: 314, pl. XXXVI, fig. 3. Depressaria; SYNTYPE, MCZ 14976; United States: California, Mount Shasta; *Agonopterix arnicella* (Walsingham).

**BIOSTEMAULLELLA** Chambers, 1877a: 127. Gelechia; SYNTYPE male, MCZ 1461; United States: Colorado, Edgerton, July; *Taygete decemmaculella* (Chambers); Hodges (1986: 6) transferred *decemmaculella* to Oecophoridae.

**BORASELLA** Chambers, 1873a: 189. Occophora; LECTOTYPE male, MCZ 1553; United States: Kentucky; *Decantha boraseella* (Chambers); Lectotype designated by Hodges (1974: 104).

**CANAUSLLELLA** Chambers, 1874b: 235. Harpalyce; SYNTYPE, MCZ 1415; United States: Texas, [13/8]; *Antaeotricha humilis* (Zeller).

**CHRYSCURELLA** Dietz, 1905: 42. Breckenridgia [sic]; HOLOTYPE male, MCZ 33274; United States: [Southwest] Colorado, ["6-28-S9"]; *Ethmia albistrigella* (Walsingham).

**CORYLIELLA** Chambers, 1875b: 242. Hyale; SYNTYPE, MCZ 14974; United States: Kentucky, Covington, Chambers; *Menesta tortriciformella* Clemens.

**CRESSONELLA** Chambers, 1878c: 86. Cryptolechia; LECTOTYPE male, MCZ 1420; United States: Texas; *Psilocoris cryptolechia* (Chambers); Lectotype designated by Hodges (1974: 92), also 2 paralectotypes in MCZ.

**DIFICICISLLELLA** Chambers, 1872a: 66. Exagora; SYNTYPE, MCZ 1528; United States: Kentucky, Chambers; *Taygete attributtella* (Walker); Hodges (1986: 6) transferred *attributtella* to Oecophoridae.

**DISCOSTRIGELLA** Chambers, 1877d: 122. Anesychia; LECTOTYPE male, MCZ 1421; United States: Colorado, Edgerton, 6,500 feet; *Ethmia discostrigella* (Chambers); Lectotype designated by Powell (1973: 93), also 4 paralectotypes in MCZ.

**EUPATORIELLA** Chambers, 1878c: 82. Depressaria; SYNTYPE, MCZ 1432; United States: Kentucky, Chambers; *Agonopterix eupatoriella* (Chambers).

**FAGINELLA** Chambers, 1872a: 131. Hagnio; LECTOTYPE male, MCZ 1419, United States: Kentucky, Chambers; *Psilocoris cryptolechia* (Chambers); Lectotype designated by Hodges (1974: 92), also 4 paralectotypes in MCZ.

**FERNALDELLELLA** Chambers, 1878c: 82. Depressaria; Possible SYNTYPES (2); United States: Maine; *Machimia tentoriferella* Clemens; Two specimens with no type labels may be types: one is labelled "Me"; "47" [pencil]; "fernaldella/Cbl" [Chambers' pen]; "Machimia/tentoriferella"?/AB May 1900"; the other "L.I." [? pencil, illegible]; "Kentucky [crossed out]/Chambers."; "22" [Chambers' hand].

**FERNALDELLELLA** Riley, 1889: 155. Setostoma; SYNTYPES (2 of 12), MCZ 11907; United States: California, Los Angeles County; Other syntypes in USNM; Lectotype should be designated from USNM specimen.

**HAGENELLA** Chambers, 1878c: 80. Anesychia; LECTOTYPE male, MCZ 1422; United States: Texas, Bosque County; *Ethmia hagenella* (Chambers); Lectotype designated by Powell (1973: 110), also paralectotype in MCZ.

**LITHOSINA** Zeller, 1873: 244. Cryptolechia; HOLOTYPE male, MCZ 1717; United States: Texas, Dallas, Boll; *Antaeotricha unipunctella* (Clemens).

**LONIMACUELLELLA** Chambers, 1872a: 43. Hyponomeuta; LECTOTYPE male, MCZ 1403; United States: Kentucky, Chambers; *Ethmia longimaculella* (Chambers); Lectotype designated by Powell (1973: 178), also 4 paralectotypes in MCZ.
miruella Chambers, 1874b: 233, Anesychia; LECTOTYPE male, MCZ 1423; United States: Texas; Bellfrage; *Ethmia miruella* (Chambers); Lectotype designated by Powell (1973: 193), also 4 paralectotypes in MCZ.

multipunctella Chambers, 1874b: 233, Anesychia; LECTOTYPE male, MCZ 1425; United States: Texas, Waco, Bellfrage; *Ethmia semilugens* (Zeller); Lectotype designated by Powell (1973: 86), also 15 paralectotypes in MCZ.

necerulosa Zeller, 1873: 243, fig. 12, Cryptolechia; SYNTYPES (4), MCZ 1720; United States: Texas, Dallas; Boll; *Antacotrucha nutilla* (Zeller).

nubi-mundi Walsingham, 1881: 318, Depressaria; SYNTYPE, MCZ 14971; United States: California and Oregon; *Exacertia thoracenigraeella* (Chambers).

nubiferella Walsingham, 1881: 316, pl. XXXVI, fig. 6, Depressaria; SYNTYPE, MCZ 14977; United States: Oregon, Rogue River; *Aconopterix nubiferella* (Walsingham).

obscurmaculella Chambers, 1878c: 86, Cryptolechia; SYNTYPE, MCZ 1418; United States: Texas, Bosque County, [11/8]; *Inga obscurmaculella* (Chambers); another syntype in USNM (Hodges, 1974: 102).

piperatella Zeller, 1873: 239, Cryptolechia; HOLONOTYPE male, MCZ 1719; United States: Texas, Dallas, Boll, *Durrantia piperatella* (Walsingham).

posticella Walsingham, 1881: 315, pl. XXXVI, fig. 5, Depressaria; SYNTYPE, MCZ 14972; United States: California and Oregon; *Aconopterix posticella* (Walsingham).

quinqueferella Walsingham, 1881: 522, Glyphipteryx [sic]; PARALECTOTYPE (?), MCZ [no number]; United States: [California]; *Fabiola quinqueferella* (Walsingham); Designated a paralectotype by Heppner (1978: 49), but, as noted by Heppner (1981: 385), it might not be one of the original syntypes.

shaleriella Chambers, 1875a: 114, Occophora; SYNTYPE, MCZ 1552; United States: Kentucky, Chambers; *Fabiola shaleriella* (Chambers); Head and thorax only.

texanella Chambers, 1880b: 180, Hyponomeuta; LECTOTYPE, MCZ 1408; United States: Texas; *Ethmia zelleriella* (Chambers); Lectotype designated by Powell (1973: 113).

thoracefasciella Chambers, 1875b: 246, Gelechiia; SYNTYPE, MCZ 1465; United States: California; *Exacertia thoracefasciella* (Chambers).

torricellia Chambers, 1874b: 235, Harpalyee; SYNTYPES (5), MCZ 1416; United States: Texas; *Antacotrucha unipunctella* (Clemens).

trifurecella Chambers, 1873: 12, Anesychia; LECTOTYPE female, MCZ 1426; United States: Kentucky, Chambers; *Ethmia trifurecella* (Chambers); Lectotype designated by Powell (1973: 194).

umbraitostella Walsingham, 1881: 318, pl. XXXVI, fig. 8; Depressaria; SYNTYPE, MCZ 14973; United States: California and Oregon; *Exacertia umbraitostella* (Walsingham).

vestalis Zeller, 1873: 247, Cryptolechia; HOLONOTYPE female, MCZ 1718; United States: Texas, Dallas, Boll; *Antacotrucha vestalis* (Zeller).

xanthobasis Zeller, 1875: 324, Setiostoma; HOLONOTYPE male, MCZ 33256; United States: Texas, Dallas, Boll; *Rectostoma xanthobasis* (Zeller).

zelleriella Chambers, 1878c: 80, Hyponomeuta; LECTOTYPE female, MCZ 1405; United States: Texas, Bosque County; *Ethmia zelleriella* (Chambers); Lectotype designated by Powell (1973: 113).

Family Elachistidae

parvipulvella Chambers, 1875d: 56, Elachista; PSEUDOTYPES (4), MCZ 1513; United States: Texas; Braun (1948: 51) stated that none of the 4 MCZ specimens is an *Elachista* and that the real type is in USNM.

staintonella Chambers, 1878c: 96, Elachista; SYNTYPE male, MCZ 1514; United States: Texas.

Family Blastobasidae

David Adamski

ampla Dietz, 1900a: 103, pl. VI, fig. 1, Ploioiphora; SYNTYPES (4 males), MCZ 2923; Adamski gen. slide nos. 2159, 2160, 2161; United States: Pennsylvania; Hazleton; 1 syntype missing abdomen; 1 male erroneously labeled as "type" (no. 6135) in USNM (Adamski gen. slide no. 2471).

angustipennella Dietz, 1900a: 108, Pigritia; SYNTYPES (5), MCZ 2930; Adamski gen. slide nos. 2166 (male), 2167, (male), 2168 (female); 1 syntype missing abdomen; 1 syntype not dissected; United States: Pennsylvania; Hazleton; 1 male erroneously labeled as "type" (no. 6157) in USNM (Adamski gen. slide no. 2473).

anelecella Dietz, 1910: 63, pl. IV, fig. 34a, Holecocera zelleriella var.; SYNTYPES (2 females of 3), MCZ 2932; Adamski gen. slide nos. 2150, 2151; United States: Iowa, Iowa City; Louisiana, Vowell's Mill; 1 syntype lost.

annulipes Dietz, 1910. 58, Holecocera crescentella var.; HOLOTYPE female, MCZ 2950; United States:
Arizona, Bahoyquivaria [sic] Mountains; Abdomen missing.

argyreella Dietz, 1900a: 113, Pseudopigritia; HOLOTYPE male, MCZ 2920; Adamski gen. slide no. 2201; United States: Pennsylvania, Hazleton.

argyroplendella Dietz, 1910: 22, pl. II, figs. 13, 13a, 13b, Calosima; SYNTYPES (3 of 3), MCZ 2965, 1 male, 1 female; Adamski gen. slide nos. 2059, 2060; United States: Pennsylvania, Hazleton; Florida, Hastings. Louisiana, Vowells Mill; Syntype from Louisiana missing abdomen.

arizonella Dietz, 1900a: 109, Pigritia; SYNTYPES (2 of 2 males), MCZ 2912; Adamski gen. slide nos. 2169, 2170; United States: Arizona, Huachuca, and Nochales [sic].

aufugella Zeller, 1873: 301, Blastobasis; HOLOTYPE, MCZ 14978; United States: Texas, [Dallas], Boll; Pigritia laticapitella Clemens; Abdomen missing.

basilarella Dietz, 1900a: 103, pl. VI, fig. 6, Pigritia; SYNTYPES (3 of 3), MCZ 2928; Adamski gen. slide no. 2171 (female); United States: Pennsylvania, Hazleton, New Hampshire, Hampton; 1 syntype from Cohasset, Massachusetts in USNM (Adamski gen. slide no. 2434 — male).

basipalidella Dietz, 1910: 26, Holcocera dives var.; SYNTYPES (2 of 3), MCZ 2951, 1 male and 1 female; Adamski gen. slide nos. 2082, 2085; United States: Pennsylvania, Hazleton, New Hampshire, Hampton; 1 syntype from Cohasset, Massachusetts in USNM (Adamski gen. slide no. 2434 — male).

boresculla Dietz, 1910: 47, pl. III, fig. 22, Holcocera; SYNTYPES (4 of 5), MCZ 2960, females; Adamski gen. slide nos. 2064, 2065, 2066; R. B. Slinger gen. slide no. 701; United States: New Hampshire, Webster; Canada: Montreal; 1 syntype lost.

busckiella Dietz, 1910: 36, pl. II, fig. 19, Holcocera; SYNTYPES (2 males of 7), MCZ 2956; Adamski gen. slide nos. 2067, 2068; United States: Maryland, Plummer’s [sic] Island, July and August 1903, A. Busck; 5 syntypes in USNM; 1 male dissected (Adamski gen. slide no. 2424), 4 without abdomens.

canariella Zeller, 1873: 303, Hypatimia; HOLOTYPE female, MCZ 2083; United States: Texas, [Dallas], Boll; Valentinia canariella (Zeller); Abdomen missing.

confuentella Dietz, 1910: 36, pl. II, fig. 18, Holocera; SYNTYPES (2 of 4), MCZ 2955, female; Adamski gen. slide no. 2156; 1 syntype missing abdomen; United States: Pennsylvania, Hazleton; Central New York; Holocercina confluentella (Dietz); 1 syntype from Cohasset, Massachusetts, in USNM (Adamski gen. slide no. 2429 — female). 1 syntype lost.

cosifusa Dietz, 1900a: 104, pl. VI, fig. 4, Pigritia; SYNTYPES (4), MCZ 2925; Adamski gen. slide nos. 2172 (female), 2173 (male), 2174 (female); 1 syntype not dissected; United States: Pennsylvania, Hazleton; 1 syntype from [Montclair], New Jersey, in USNM (type no. 6131) (Adamski gen. slide no. 2476 — female).

crecessentella Dietz, 1910: 57, pl. IV, fig. 31, Holocera; HOLOTYPE female, MCZ 2949; Adamski gen. slide no. 2081; United States: Utah, Stockton, T. Spalding.

dianella Dietz, 1910: 22, Calosima; HOLOTYPE male, MCZ 2969; Adamski gen. slide no. 2061; United States: Georgia, Forsyth, 1895.

discopunctella Dietz, 1900a: 118, pl. VII, fig. 16, Dryope; HOLOTYPE female, MCZ 14223; Adamski gen. slide no. 2213; United States: Pennsylvania, Hazleton; Dryoperia discopunctella (Dietz).

dives Dietz, 1910: 26, pl. II, fig. 14 (male), Holcocera; SYNTYPES (2 of 7), MCZ 2951, females; Adamski gen. slide nos. 2083, 2084; United States: Pennsylvania, Hazleton; Maryland, Plummer’s [sic] Island; Canada: Toronto; 3 syntypes from Chartierou, Pennsylvania in USNM (Adamski gen. slide nos. 2431, 2433 (females) and 2432 (male)). 1 syntype lost.

dorsomaculella Dietz, 1900a: 112, pl. VII, fig. 10, Pseudopigritia; SYNTYPES (2 of 2), MCZ 2917, male and female, both specimens missing abdomens; United States: Pennsylvania, Hazleton.

eyllyla Dietz, 1910: 49, pl. III, fig. 25, Holocera; SYNTYPES (7 of 17), MCZ 2941; Adamski gen. slide nos. 2056 (female), 2057 (male), 2058 (male), 2059 (female); United States: Connecticut, East River, C. R. Ely; Maryland, Plummer’s [sic] Island, A. Busck, and Frederick; New Jersey, Essex County, W. D. Kearlott; Specimens comprising remainder of original syntype series cannot be determined.

equifellla Dietz, 1900a: 112, Pseudopigritia; SYNTYPES (3 females), MCZ 2918; Adamski gen. slide nos. 2204, 2205; 1 syntype missing abdomen; United States: Pennsylvania, Hazleton.

estirialla Dietz, 1910: 25, pl. II, fig. 15, Holocera; HOLOTYPE male, MCZ 2970; Adamski gen. slide no. 2000; United States: Massachusetts, [Cohasset].

fenyesella Dietz, 1900a: 119, Dryope; HOLOTYPE male, MCZ 14224; Adamski gen. slide no. 2214; United States: California, Pomona, A. Fenyes; Dryoperia fenyesella (Dietz).

fidella Dietz, 1900a: 103, pl. VI, figs. 2, 2a (male), 2b (female), 2c (male), Ploiophora; SYNTYPES (5), MCZ 2924; Adamski gen. slide nos. 2162 (male),
floridella Dietz. 1910: 17, pl. 1, fig. 10, Valentinia; SYNTYPES (1 of 4), MCZ, 2966, female (no abdomen); United States: Florida, Crescent City, [male] cone of Zama integrifolia; 3 syntypes (male and 2 females) in USNM, 1 dissected (Adamski gen. slide no. 2415 — male); 1 male erroneously labeled as "cotype," MCZ 2966, from Florida, G. D. Hulst Collection.

fraternella Dietz. 1900a: 113, pl. VII, fig. 11, Pseudopogritia; HOLOTYPE male, MCZ 1711; Adamski gen. slide no. 2091; United States: Texas, [Dallas], Boll; Helcogera floridella (Zeller).

fumerella Dietz. 1910: 35, Helcogera chalefron- tella var.; SYNTYPES (6), MCZ 2954; females; Adamski gen. slide nos. 2074, 2075, 2076; 3 specimens not dissected; United States: [Pennsylvania, Hazleton], bred from fruit racemes of sumach.

funebra Dietz. 1910: 44, Helcogera; SYNTYPES (2 of 5), MCZ 2902, Adamski gen. slide no. 2092 (male); United States: Maryland, Plummer’s [sic] Island, 1903, A. Busck; Pennsylvania, Hazleton; 5 syntypes from Plummer’s [sic] Island, Maryland in USNM (not dissected).

fuscoperpurella Dietz, 1910: 9, Blastobasis plum- merella var.; HOLOTYPE female, MCZ 2962; Adamski gen. slide no. 2962; United States: Maryland, Plummer’s [sic] Island; Blastobasis plummerella Dietz.

fuscousfuscella Dietz. 1900a: 117, pl. VII, fig. 13, Dryope; SYNTYPES (2 of 2), MCZ 14222, male and female; Adamski gen. slide nos. 2215, 2216; United States Missouri, St. Louis; Dryopeura fuscousfuscella (Dietz).

gigantella Chambers. 1876b: 219, Blastobasis; LEC- TOTYPE male, MCZ 1551; J. A. Powell gen. slide no. 4005. United States: Colorado, Helcogera gigantella (Chambers); Lectotype and 3 paralectotypes in MCZ designated by Powell (1976). One other specimen from Colorado is at MCZ, may not be part of original series.

grisella Dietz. 1900a: 116, pl. VII, figs. 12, 12a, 12b (male), 12c (female), Dryope; SYNTYPES male, MCZ 14225; Adamski gen. slide no. 2218; United States Pennsylvania, Hazleton; Missouri, Saint Louis; Dryopeura grisella (Dietz); At least 1 syntype lost, 1 syntype from collection of C. V. Riley in USNM (no 743).

heidemanniella Dietz, 1900a: 111, pl. VII, fig. 9, Epigritia; SYNTYPES (2 of 7), MCZ 2916, females; Adamski gen. slide no. 2208; 1 syntype missing left hindwing, right forewing, and abdomen; United States: Pennsylvania, Bedford County, Sulfur Springs, on Abies excelsa, O. Heidemann; Epigritia ochrocomella (Clemens); 1 syntype in USNM (type no. 6133) (Adamski gen. slide no. 2483 — male); 4 syntypes lost.

hulstella Dietz. 1910: 7, pl. 1, fig. 2, Blastobasis; HOLOTYPE female, MCZ 2977; Adamski gen. slide no. 2042; United States: Texas, G. Hulst.

iceracella Riley, 1887: 453, Blastobasis, SYNTYPES (4?), possible syntypes in MCZ; Adamski gen. slide nos. 2097, 2098 (1 male, 1 female); United States: California, Los Angeles County, Pasadena; Helcogera icercella (Riley); At least 1 syntype from Alamenda Co. and Los Angeles Co., California in USNM.

illibella Dietz. 1910: 57, pl. III, fig. 30, Helcogera; SYNTYPES (3 of 3), MCZ 2948, 2 males; Adamski gen. slide nos. 2101, 2102; United States: Maryland, Frederick; 1 syntype missing abdomen.

inclusa Dietz. 1910: 51, pl. III, fig. 27, Helcogera; HOLOTYPE male, MCZ 2943; Adamski gen. slide no. 2103; United States: Pennsylvania, Hazleton, 20 July 1904.

insulatella Dietz. 1910: 50, pl. III, fig. 26, Helcogera; SYNTYPES (2 of 2 males), MCZ 2942; Adamski gen. slide nos. 2104, 2105; United States: Colorado, Glenwood Springs, August.

interpunctella Dietz. 1910: 67, pl. IV, fig. 39, Helcogera; SYNTYPES (3 of 3), MCZ 2935, 2 males, 1 female; Adamski gen. slide nos. 2107, 2108, 2909; United States: Utah, Stockton, T. Spalding.

livorella Zeller, 1873: 299, Blastobasis; HOLOTYPE male, MCZ 2082; Adamski gen. slide no. 2110; United States: Texas, [Dallas], Boll; Helcogera Ili- corella (Zeller).

lutepulvella Chambers. 1875d: 73, Dryope; SYN- TYPE female, MCZ 1438; Adamski gen. slide no. 2175; United States: Kentucky, Chambers; Pigritia laticapitella Clemens.

mediofasciella Dietz. 1900a: 107, pl VI, fig. 5, Pi- gritia; HOLOTYPE female, MCZ 2927; Adamski gen. slide no. 2179; United States: [Pennsylvania, Hazleton], July.

melanostratella Dietz. 1910: 66, pl. IV, fig. 58, Hel- cogera; SYNTYPES (7 of 9), MCZ 2937, 2 males; Adamski gen. slide nos. 2111, 2112; 5 syntypes missing abdomen; United States: Pennsylvania, Hazleton, Connecticut, East River, C. R. Elly; Maryland, Frederick; 2 syntypes from Frederick, Maryland, and East River. Connecticut are lost.

messelinella Dietz. 1910: 52, pl. III, fig. 29, Helco-
cera; SYNTYPES (2 of 2 males), MCZ 2945; Adamski gen. slide nos. 2115, 2116; United States: Maryland, Frederick; Florida, Hastings.

minorella Dietz, 1900a: 116, pl. VII, fig. 15. Dryope; SYNTYPES (5 of 5), MCZ 14221; Adamski male gen. slide no. 2229, 2230 (3 syntypes not dissected); United States: Georgia, Forsyth; Dryopea minorella (Dietz); 1 syntype without "cotype" label, or lost.

minorella Dietz, 1910: 34, pl. II, fig. 17e. Holocera chaleofrontella var.; SYNTYPES (4 of 6), MCZ 2953, female; Adamski gen. slide no. 2077; 3 syntypes not dissected; United States: Pennsylvania, Lewisburg, Chestnut burrs; 2 syntypes lost.

murfeldtiella Chambers, 1874a: 50. Dryope; SYNTYPES (14), MCZ 1437; Adamski gen. slide nos. 2234 (male), 2235 (female); 5 syntypes with damaged or missing abdomens; 4 syntypes not dissected; United States: Kentucky; Dryopea murfeldtiella (Chambers).

nubilella Zeller. 1873: 297, fig. 36. Blastobasis; HOLOTYPE female, MCZ 1714; Adamski gen. slide no. 2054; United States: Texas, [Dallas]; Valentinia glandulalella (Riley).

obsecarella Dietz. 1900a: 110, Pigritia; SYNTYPES (2 of 2), MCZ 2914; Adamski gen. slide no. 2180 (male); 1 syntype missing abdomen; United States: Pennsylvania, Hazleton.

occidentella Dietz. 1900a: 115, pl. VII, fig. 14. Dryope; HOLOTYPE female, MCZ 11300; United States: California, Kaweah; Dryopea occidentella (Dietz); Missing left forewing and abdomen.

ochrocephala Dietz. 1910: 31. Holocera; POSSIBLE SYNTYPE male, MCZ 2952; Adamski gen. slide no. 2123; United States: Maryland, [Plummers Island]; Male syntype from Aurora, West Virginia in USNM (Adamski gen. slide no. 2453).

ornatella Dietz, 1900a: 107, pl. VI, fig. 7. Pigritia; SYNTYPES (7 females, 1 male), MCZ 2929; Adamski gen. slide nos. 2182, 2183, 2184, 2186, 2187 females, 2185 male; 2 syntypes not dissected; United States: Pennsylvania, Hazleton; 1 specimen erroneously labeled as "ornatella" in USNM (Adamski gen. slide no. 2180 — female); 1 erroneously sexed syntype in MCZ.

palidotinetella Dietz. 1900a: 111, pl. VII, fig. 8, 8a (male), Sb (female). Pigritia; SYNTYPES (2 of 3), MCZ 2915; both specimens missing abdomens; United States: Pennsylvania, Hazleton; Pigritia ochromella (Clemens); Male erroneously labeled as cotype in USNM (Adamski gen. slide no. 2182); 1 syntype lost.

plagiatella Dietz. 1910: 40, pl. III, fig. 20. Holocera; HOLOTYPE male, MCZ 2957; Adamski gen. slide no. 2124; United States: Arizona, [Williams].

plummerella Dietz, 1910: 8, pl. 1, fig. 4, Blastobasis; SYNTYPES (2 males of 6), MCZ 2961; Adamski gen. slide no. 2043 (one specimen missing abdomen); United States: Maryland, Plummer's [sic] Island; 3 syntypes in USNM (not dissected); 1 syntype lost.


purpurella Dietz. 1900a: 105. Pigritia; SYNTYPES (3 of 3 females), MCZ 2926; Adamski gen. slide nos. 2188, 2189, 2190; United States: Pennsylvania, Hazleton.

pusilla Dietz. 1910: 65, pl. IV, fig. 37. Holocera; HOLOTYPE male, MCZ 2935; Adamski gen. slide no. 2139; United States: Texas, Brownsville.

quantinellea Dietz. 1910: 15, pl. 1, fig. 9. Valentinia; SYNTYPES (2 females of 6), MCZ 2965; Adamski gen. slide nos. 2055, 2056; United States: locality unknown, bred from apple; Quantinellea; 4 syntypes in USNM; 1 dissected (Adamski gen. slide no. 2416 — female); 2 missing abdomens, 1 with broken ovipositor.

quisquiella Zeller. 1873: 298, Blastobasis; SYNTYPES (3 of 5), MCZ 1712, 1 male and 2 females; Adamski gen. slide nos. 2072, 2073; United States: Texas, [Dallas]; Boll; Holocera chaleofrontella quisquiella (Zeller); 1 female is missing abdomen.

reductella Dietz. 1910: 45. Holocera funebrata var.; SYNTYPES (1 of 2), MCZ 2959; Adamski gen. slide no. 2065 (male); Canada: Manitoba, Awerne, Criddle; 1 syntype in USNM (missing abdomen).


sagitella Dietz. 1910: 9, pl. 1, fig. 5. Blastobasis; HOLOTYPE male, MCZ 2964; Adamski gen. slide no. 2046; United States: Pennsylvania, Hazleton [Aug. 2, 1898].

sciaphilella Zeller. 1873: 295, fig. 34. Blastobasis; HOLOTYPE male, MCZ 1713; Adamski gen. slide no. 2141; United States: Texas, [Dallas]; Boll; Holocera sciaphilella (Zeller).

simplicella Dietz. 1910: 9. Blastobasis-plummerella var.; HOLOTYPE male, MCZ 2963; Adamski gen. slide no. 2045; United States: Iowa, Iowa City; Specimen originally misidentified as female.

simulella Dietz. 1910: 52, pl. III, fig. 2S. Holocera; SYNTYPES (2 of 4), MCZ 2944, female; Adamski gen. slide no. 2143; 1 syntype missing abdomen, United States: Arizona, Williams; Texas, Fedora; 1 syntype from Williams, Arizona in USNM (Adamski gen. slide no. 2459 — female); syntype from Stockton, Utah lost.
spelletta Dietz, 1910: 110, Pigritia; SYNTYPES (2 of 2 males), MCZ 2913; Adamski gen. slide nos. 2191, 2192. 1 syntype missing left forewing and abdomen; United States: Pennsylvania, Hazleton; An additional damaged MCZ specimen is probably not a syntype. 1 specimen erroneously labeled co-type in USNM.

spelletta Dietz, 1910: 53, Holocerea messelina var.; SYNTYPES (3 of 6), MCZ 2946, 3 males; Adamski gen. slide nos. 2117, 2118, 2119. United States: Pennsylvania, Hazleton; Holocerea messelina var. D. Dietz, 3 syntypes lost including those from New Jersey.

spelletta Dietz, 1910: 58, pl. IV, fig. 32, Holocerea; SYNTYPE (1 of 4), MCZ 2931; Adamski gen. slide no. 2145 — female; United States: Arizona, Phoenix; 3 syntypes from Williams, Arizona in USNM (Adamski gen. slides nos. 2144 — female, 2460 — male).

spelletta Zeller, 1873: 302, Hypatima punctiferella var.; HOLOTYPE male, MCZ 1716; Adamski gen. slide no. 2126. United States: Texas, [Dallas]. Boll; Holocerea punctiferella subsenella (Zeller); Missing left wings; right forewing in gelatin capsule.

spelletta Dietz, 1910: 64, pl. IV, fig. 36, Holocerea; SYNTYPES (3 of 9), MCZ 2934. 1 male, 1 female; Adamski gen. slide nos. 2146, 2147; 1 not dissected; United States: Maryland, Plummer’s [sic] Island, A Busck; 3 syntypes in USNM; 2 missing abdomens; 1 dissected (Adamski gen. slide no. 2461 — male); 3 syntypes lost.

spelletta Dietz, 1900a: 116, Dryope; SYNTYPES (2 of 3), MCZ 14220. 1 male, Adamski gen. slide no. 2233. United States: Pennsylvania, Hazleton; Dryope ternebrella (Dietz); 1 syntype missing abdomen; 1 syntype lost.

spelletta Chambers, 1875b: 256, Holocerea; SYNTYPE (1 male of 2) MCZ 1550; Adamski gen. slide no. 2142. United States: Kentucky, Chambers; Holocerea scaphatella (Zeller).

spelletta Dietz, 1900a: 108, Pigritia; SYNTYPES (2 of 2 females) MCZ 2911; Adamski gen. slide nos. 2193, 2194; United States: Pennsylvania, Hazleton; 1 specimen erroneously labeled as "type" (type no. 6132) in USNM.

spelletta Dietz, 1910: 63, pl. IV, fig. 35, Holocerea; SYNTYPES (3 of 6), MCZ 2933, all missing abdomens; United States: Maryland, Plummer’s [sic] Island, Pennsylvania, Hazleton; 2 male syntypes from Plummer’s Island, Maryland (R. B. Schneider gen. slide no. 703 and Adamski gen. slide no. 2469) in USNM; 1 syntype from Cohasset, Massachusetts, lost.

spelletta Dietz, 1910: 7, pl. I, fig. 3, Blastobasis; SYNTYPES (2 of 5), MCZ 2979, male and female; Adamski gen. slide nos. 2047, 2048. United States: Texas, bred from Yucca baccata, emerged 18 April 1897; 3 syntypes in USNM (not dissected).

spelletta Dietz, 1910: 62, pl. IV, fig. 34, Holocerea; SYNTYPES (2 of 2 males), MCZ 2051; Adamski gen. slide nos. 2148, 2149. United States: Texas, Dallas; Only 1 male has locality label.

Family Momphidae

albocapitella Chambers, 1875d: 33, Laverna; SYNTYPES (2 of 2 females), MCZ 1374; United States: Texas, Basque [sic] County; September; Mompha murtfeldtella (Chambers).

bieristatella Chambers, 1850b: 187, Elachista; SYNTYPE, MCZ 1355; United States: Texas, Belfrage; Mompha bieristatella (Chambers).

cere為athelliella Chambers, 1871b: 221, Laverna; SYNTYPES (6), MCZ 1372; United States: Kentucky, Chambers; Mompha cephalonthiella (Chambers).

circumscriptionella Zeller, 1873: 312, fig. 42, Laverna; PSEUDOTYPE, MCZ 1360; United States: Texas, Dallas, Boll; Mompha circumscriptionella (Zeller).

definitella Zeller, 1873: 111, fig. 41, Laverna; SYNTYPE, MCZ 1377; United States: Texas, Dallas, Boll; Mompha definitella (Zeller).

grisecella Chambers, 1875c: 295, Laverna; PSEUDOTYPE, MCZ 14970; Mompha murtfeldtella (Chambers); MCZ has 2 specimens from Kentucky, but description was based on 3 specimens from Spanish Bar, Colorado.

ignobilisella Chambers, 1875d: 33, 51, Laverna; SYNTYPE, MCZ 1519; United States: Texas, Basque [sic] County, September; Mompha ignobilisella (Chambers).

murtfeldtella Chambers, 1875b: 237, Laverna; HOCOTYPE, MCZ 1375; United States: Missouri, 13 September 1874, Murfeldt; Mompha murtfeldtella (Chambers).

obscurusella Chambers, 1875b: 53, Laverna; HOCOTYPE, MCZ 1371; United States: Texas, Basque [sic] County; Mompha murtfeldtella (Chambers).

oenothersemenella Chambers, 1876b: 138, Laverna; SYNTYPE, MCZ 14969; United States: Missouri; Mompha brevicellata (Clemens).

tricristatella Chambers, 1875c: 211, Leucophyene; SYNTYPE, MCZ 1381; Canada; Mompha tricristatella (Chambers).

unifasciella Chambers, 1876b: 159, Laverna; SYNTYPE, MCZ 1378; United States: California; Mom-
pha unifasciella (Chambers); Miscecolorella Chambers, 1875e: 210, Gelechia; Syn
TYPES (2), MCZ 1459; Canada; Blastodacna bicristatella (Chambers).

Family Agonoxenidae

bicristatella Chambers, 1875e: 210, Gelechia; Syn
TYPES (2), MCZ 1459; Canada; Blastodacna bicristatella (Chambers).

bipunctella Chambers, 1880: 187, Aetia; SynTYPE, MCZ 1360, United States: Texas.

Family Cosmopterigidae

albalineella Chambers, 1878c: 95, Eriphia?; HolotYPE female, MCZ 14965; United States: Texas, Bosque County; Eralca albalineella (Chambers).

concolorella Chambers, 1875d: 53, Elachista?; HolotYPE female, MCZ 1352; United States: Texas, Bosque County; Periploca orichalecella (Clemens).

concolorella Chambers, 1875d: 53, Eriphia; Lec
otype male, MCZ 1356; United States: Texas; Ithome concordcella (Chambers); Lectotype designated by Hodges (1961b: 87), also 3 paralectotypes in MCZ.

determinatella Zeller, 1873: 259, Oecophora; Holotype male, MCZ 1710; United States: Texas; Trielonella determinatella (Zeller).

eransella Chambers, 1874a: 52, Perimeede; Holotype, MCZ 1521; United States: Kentucky, Covington, Chambers; Description based on one specimen, but 4 specimens present in MCZ.

gleditschiaeella Chambers, 1876b: 135, Laevina(2) (Anybria?); Lecotype male, MCZ 1373; United States: Kentucky, Chambers; Periploca gleditschiaeella (Chambers); Lectotype designated by Hodges (1962a: 88), also paralectotype in MCZ.

miscecolorella Chambers, 1875d: 51, Laevina; Lec
otype male, MCZ 1376; United States: Texas, Bosque County; Walskia miscecolorella (Chambers); Lectotype designated by Hodges (1961a: 70).

montisella Chambers, 1875c: 297, Cosmopteryx [sic]; Holotype, MCZ 14967; United States: Colorado, Spanish Bar; Cosmopterix montisella Chambers.

nigrilineella Chambers, 1878c: 96, Eriphia?; HolotYPE male, MCZ 1357; United States: Texas, Bosque County; Melanocinclus nigrilineella (Chambers).

ostryaeella Chambers, 1874a: 74, Aecaea; Holotype male, MCZ 14966; United States: Kentucky; Stilbosis ostryaeella (Chambers).

purpurella Chambers, 1874a: 73, Chrysopoeia; SynTYPES (3), MCZ 1358; United States: Kentucky.

quadricostatella Chambers, 1880b: 186, Aecaea; HolotYPE male, MCZ 1359; United States: Texas, Waco; Stilbosis quadricostatella (Chambers).

I-linecella Chambers, 1878c: 95, Cosmopteryx [sic]; Holotype female, MCZ 1515; United States: Texas, Bosque County; Cosmopterix quadrilineella Chambers.

sexnotella Chambers, 1875c: 88, Gelechia; Holotype, MCZ 1542; United States: Texas, Bosque County; Stagnatophora sexnotella (Chambers).

unimaecullula Chambers, 1875d: 94, Ithome; Lec
otype male, MCZ 1520; United States: Texas; Ithome unimaecullula (Chambers); Lectotype designated by Hodges (1961b: 87), and paralectotype in MCZ.

Family Scythrididae

albampenna Chambers, 1875d: 11, Butalis; Syn
otype male, MCZ 1516; United States: Texas, Basque [sic] County, October; "Scythris" albampenna (Chambers) [misplaced]; Specimen in poor condition, missing left wings, and part of thorax.

arizoniella Kearfott, 1907: 8, Hloeoeora; Syn
otype, MCZ 15022; United States: Arizona, Phoenix, October, Kunze; Scythris eburnea (Walsingham).

immaculatella Chambers, 1875d: 10, Butalis; Syn
otype, MCZ 1515; United States: Texas, Basque [sic] County, April; Scythris imposatella (Zeller).

planiaeppenna Chambers, 1875d: 10, Butalis; Syn
otype, MCZ 1517; United States: Texas, Basque [sic] County; Scythris planiaeppenna (Chambers); Missing left wings.

Family Gelechiidae

albimarginella Chambers, 1875c: 291, Gelechia; Syn
otype male, MCZ 2992; United States: Colorado, Grand River; Gnornoschema albinamig
ella (Chambers); Abdomen and left wings missing. Specimen (MCZ 2992) probably is incorrectly labelled Kentucky. It matches a specimen from West Fork of Oak Creek, Coconino County, Arizona; and the type locality is Grand River, Colorado.

albistrigella Chambers, 1875d: 171, Gelechia; "Syn
otypes" (2), MCZ 1522; United States: Kentucky, June, Chambers; Untomia albistrigella (Chambers); Untomia albistrigella was described from a single specimen; one of the specimens is a false type.

amorphaeella Chambers, 1877a: 124, Gelechia; Syn
otypes (3 of 4), MCZ 1480; United States: Colorado, Edgerton, Chambers; Filatina ornati-
fanibrillla (Clemens).
anarsiella Chambers, 1877a: 126, Gelechia; SYNTYPES (8), MCZ 1484; United States: Colorado, Edgerton, Chambers.

apicistrigella Chambers, 1872a: 66, Parasia; HOLOTYPE female, MCZ 1523; United States: Kentucky, Chambers; Battaritis nigratomella (Clemens); Specimen lacks abdomen and right hindwing.

atrupictella Dietz, 1900: 350, Eurcordylea; HOLOTYPE male, MCZ 2986; United States: Pennsylvania, Hazleton; Colotechnites atrupictella (Dietz).

basifasciella Zeller, 1873: 269, Gelechia (Poecilia?); HOLOTYPE male, MCZ 2988; United States: Texas, Boll; Pseudotelphusa basifasciella (Zeller).

basistrigella Zeller, 1873: 270, Gelechia; HOLOTYPE female, MCZ 2981; United States: Texas, Boll; Xenolechia basistrigella (Zeller).

bifasciella Chambers, 1874a: 76, Gelechia; SYNTYPE female, MCZ 1562; United States: Kentucky, Chambers; Thesoa constrictella (Zeller).

bifidella Dietz, 1900: 351, Nealyda; SYNTYPE male, MCZ 2990; United States: Colorado, Glenwood Springs.

bimaculella Chambers, 1877d: 122, Nothris?; HOLOTYPE male, MCZ 1557; United States: Colorado, Edgerton; Dichomeris georgiella (Walker).

bimaculella Chambers, 1872a: 108, Depressaria; SYNTYPE female, MCZ 1524; United States: Kentucky, Chambers; Fascista bimaculella (Chambers).

biminimaculella Chambers, 1880b: 183, Gelechia; SYNTYPES (2), MCZ 1525; United States: Texas, Waco, Bellfrage; Filatima biminimaculella (Chambers).

biscolorrella Chambers, 1872a: 193, Agnippe; SYNTYPE female, MCZ 1281; United States: Kentucky, Chambers.

bosqueella Chambers, 1873d: 92, Occophora; SYNTYPE female, MCZ 1443; United States: Texas; Stegasta bosqueella (Chambers); Right hindwing missing.

canopolitanella Chambers, 1878c: 91, Gelechia; HOLOTYPE female, MCZ 1452; United States: Texas, Bosque County; Filatima obscurosuffusella (Chambers).

cerecerissa Chambers, 1872a: 108, Depressaria; SYNTYPES (2), MCZ 1427; United States: Kentucky, Chambers; Fascista cerecerissa (Chambers); Specimens are double mounted on one block of path. Male lacks head; female lacks left forewing and abdomen.

cilialineella Chambers, 1874b: 242, Gelechia; SYNTYPE MCZ 128, United States: Texas; Isophriictis cilialineella (Chambers).

collinsella Chambers, 1877d: 128, Gelechia; HOLOTYPE male, MCZ 1526; United States: Colorado, Edgerton; Gonorimoschema collinsella (Chambers); Right wings only.

concinussella Chambers, 1875b: 253, Gelechia; SYNTYPES (2), MCZ 1460; United States: Texas; Battaritis concinnusella (Chambers).

consonella Zeller, 1873: 251, Gelechia; SYNTYPE female, MCZ 2982; United States: Texas, Boll; Anacampsis rhosfructella (Clemens).

costarufoella Chambers, 1874b: 240, Gelechia; LECTOTYPE, MCZ 1527; United States: Texas, Chambers; Dichomeris costarufoella (Chambers); Lectotype designated by Hodges (1986: 114).

cresentifasciella Chambers, 1874b: 237, Gelechia; SYNTYPES (7), MCZ 1477; United States: Texas; Compsolechia crescentifasciella (Chambers).

crestitella Chambers, 1875b: 241, Gelechia; SYNTYPES (2), MCZ 1472; United States: Kentucky, Chambers; Colotechnites crisitaella (Chambers).

cristitaella Chambers, 1875c: 57, Gelechia; SYNTYPE female, MCZ 1474; United States: Kentucky, 11 May [no year stated], Chambers; Arogalea cristitaella (Chambers); Worn specimen. Described from two syntypes.

curvistrigella Chambers, 1872a: 133, Telphusa; SYNTYPE female, MCZ 2939; United States: Kentucky, Chambers; Telphusa longifasciella (Clemens); Abdomen missing.

depressostrigella Chambers, 1874b: 236, Gelechia; SYNTYPES (2), MCZ 1434; United States: Texas; Filatima ochreosuffusella (Chambers).

disconotella Chambers, 1875c: 56, Gelechia; SYNTYPE, MCZ 1475; United States: Kentucky, Chambers; Monochroa disconotella (Chambers); Left wings missing.

discoocellella Chambers, 1872a: 194, Gelechia; SYNTYPES (4), MCZ 1439; United States: Kentucky, September, Chambers; Chionodes discoocellella (Chambers).

dorsivittella Zeller, 1873: 265, fig. 20, Gelechia (Telcia?); HOLOTYPE male, MCZ 1707; United States: Texas, Dallas, Boll; Colotechnites vagatioella (Chambers); Haustellum and abdomen missing.

dubitella Chambers, 1872a: 92, Depressaria?; LECTOTYPE male, MCZ 1529; United States: Kentucky, Chambers; Dichomeris juncidella (Clemens); Lectotype designated by Hodges (1986: 111).

delgantella Chambers, 1874b: 239, Gelechia; SYNTYPES (8), MCZ 1494; United States: Texas, Chambers; Aristotelia elegantella (Chambers).

dupatoriella Chambers, 1872a: 221, Ypsolophus; LECTOTYPE male, MCZ 1531; United States: [Kentucky], Chambers; Dichomeris setosella (Cle-
mens); The original description indicates that one specimen was reared; it should be the holotype. None of the specimens bearing MCZ 1531 could be recognized as the one that Chambers described. Hodges (1986: 82) designated one of the four as lectotype.

**fragmentella** Zeller, 1873: 271, Gelechia (Poepeilia?); HOLOTYPE female, MCZ 1706; United States: Texas. Dallas, Boll; *Pseudotelphusa quercinigracella* (Chambers); Specimen lacks right wings and abdomen.

**fuscospicella** Zeller, 1873: 271, Gelechia (Poepeilia?); HOLOTYPE female, MCZ 1706; United States: Texas. Dallas, Boll; *Pseudotelphusa quercinigracella* (Chambers); Specimen lacks right wings and abdomen.

**fuscoslrigella** Chambers, 1873; 1382, Gelechia (Chambers); Abdomen missing; *Belfrage; as*, United States: Kentucky. Chambers; *Gelechia albisparsella* (Chambers); Abdomen missing.

**fuscopulvella** Chambers, 1872a: 106, Depressaria; HOLOTYPE female, MCZ 1462; United States: Kentucky, Chambers; *Gelechia albisparsella* (Chambers); Abdomen missing.

**fuscomalicella** Chambers, 1872a: 170, Gelechia; HOLOTYPE male, MCZ 1469; United States: Kentucky, Chambers; *Chionodes fuscomalicella* (Chambers).

**fuseochrelia** Chambers, 1872a: 106, Gelechia; SYNTYPES (4), MCZ 1382; United States: Texas.

**fuseoluteella** Chambers, 1872a: 106, Depressaria; HOLOTYPE female, MCZ 1462; United States: Kentucky, Chambers; *Gelechia albisparsella* (Chambers); Abdomen missing.

**fuscopulvella** Chambers, 1872a: 170, Gelechia; HOLOTYPE male, MCZ 1469; United States: Kentucky, Chambers; *Chionodes fuscopulvella* (Chambers).

**fuscopulvella** Chambers, 1872a: 195, Agnipe; HOLOTYPE male, MCZ 1282; United States: Kentucky, April, Chambers.

**fuscopulvella** Chambers, 1872a: 170, Gelechia; HOLOTYPE female, MCZ 1492; United States: Kentucky, June, Chambers; *Chionodes obscurusella* (Chambers).

**fuscostrigella** Chambers, 1876b: 30, Polyhymno; HOLOTYPE male, MCZ 1547; United States: Texas, Belfrage; *Polyhymno luteostrigella* Chambers; Abdomen missing; labial palpus nearly devoid of scales ventrally.

**fuscotaeniaella** Chambers, 1875c: 89, Gelechia; HOLOTYPE male, MCZ 1448; United States: Texas; *Rifthea fuscotaeniaella* (Chambers); Head, thorax, and left wings only.

**gilviscopella** Zeller, 1873: 266, Gelechia; SYNTYPES (2), MCZ 1706; United States: Texas, Dallas, Boll; *Coleotechnites quercicivorella* (Chambers).

**glanuliferella** Zeller, 1873: 255, Gelechia; PARALECTOTYPE female, MCZ 1709; United States: Texas; *Deltophora glanuliferella* (Zeller); Lectotype in BMNH designated by Sattler (1979: 297).

**glycyrrhizaeella** Chambers, 1877a: 124, Gelechia; HOLOTYPE female, MCZ 1483; United States: Colorado, Edgerton; *Filatina glycyrrhizaeella* (Chambers); Abdomen missing.

**innocuella** Zeller, 1873: 249, Gelechia (Tachypilia); SYNTYPE male, MCZ 1721; United States: Texas, Boll; *Anacampsis innocuella* (Zeller).

**intermediella** Chambers, 1879a: 89, Gelechia; HOLOTYPE female, MCZ 1447; United States: Texas, Bosque County; *Aristoteia intermediella* (Chambers); Labial palpi, metathorax, and abdomen missing.

**inversella** Zeller, 1873: 248, Epicorythys; HOLOTYPE male, MCZ 1715; United States: Texas, Boll; *Dichomeris inversella* (Zeller).

**latifasciella** Chambers, 1875b: 251, Gelechia; PSEUDOTYPE female, MCZ 2940; United States: Missouri, St. Louis; *Telphusa latifasciella* (Chambers); The original description indicates that the moth is light. The specimen (MCZ 2940) is dark and represents the dark form of *latifasciella*.

**lavernella** Chambers, 1874b: 242, Gelechia; HOLOTYPE female, MCZ 1473; United States: Texas; *Symmetrischema lavernella* (Chambers).

**leuconota** Zeller, 1873: 265, Gelechia; HOLOTYPE male, MCZ 2973; United States: Texas, Boll; *Epiteleuconota* (Zeller).

**litrorella** Zeller, 1873: 265, Gelechia (Lita); HOLOTYPE female, MCZ 1704; United States: Texas, Dallas, Boll; *Chionodes mediofuscella* (Clemens).

**luteosoutrigella** Chambers, 1871b: 247, Polyhymno; PSEUDOTYPE female, MCZ 1546; United States: Texas; The specimen (MCZ 1546) is a *Coleophora*. The original description applies to the current concept of the gelechiid species *Polyhymno luteostrigella*.

**maculimarginella** Chambers, 1874b: 241, Gelechia; SYNTYPES (2), MCZ 1446; United States: Texas; *Chionodes fuscomalicella* (Chambers).

**marmorella** Chambers, 1875b: 239, Gelechia; HOLOTYPE, MCZ 1471; United States: Kentucky, Chambers; *Guurnoschema emancipatum* (Meyrick), REVISED STATUS: *Gelechia marmorella* Chambers, 1875 is a junior primary homonym of *Gelechia marmorella* Doubleday, 1859. *Phthorimmaea emancipata* Meyrick, 1925 is an objective replacement name for *Gelechia marmorella* Chambers, 1875.

**minimacellula** Chambers, 1874b: 235, Gelechia; HOLOTYPE male, MCZ 1485; United States: Texas; *Aroga thoracicalbella* (Chambers).

**minimella** Chambers, 1874b: 243, Gelechia; SYNTYPES (2), MCZ 1457, United States: Texas; *Aristoteia pulhussella* (Chambers).

**monumentella** Chambers, 1877d: 125, Gelechia; HOLOTYPE male, MCZ 1482, United States: Colo-
multifasciella Chambers, 1875b; 250. Gelechia; PSEU-DOTYPE, MCZ 1489; United States: Texas; Syncopea nigrella (Chambers); The single, abdomenless specimen does not match the original description.
	nigrella Chambers, 1875b: 250. Gelechia; PSEU-DOTYPE, MCZ 1489; United States: Texas; Syncopa nigrella (Chambers); Chambers; Dichomeris nonstrigella (Chambers).

obliquistrigella Z. 1915a: 257. Gelechia; PSEU-DOTYPE, specimen (4), MCZ 1536; United States: Kentucky, Chambers; Chionodes obscurusella (Chambers).

obliquusella Chambers, 1875b: 250. Gelechia; PSEU-DOTYPE, specimen (4), MCZ 1536; United States: Kentucky, Chambers; Chionodes obscurusella (Chambers).

obliquufasciella Chambers, 1875b: 250. Gelechia; PSEU-DOTYPE, specimen (4), MCZ 1536; United States: Kentucky, Chambers; Chionodes obscurusella (Chambers).

ochreostrigella Chambers, 1875b: 257. Gelechia; PSEU-DOTYPE, specimen (4), United States: California, California, California; Chionodes ochreostrigella (Chambers); Abdomen missing.

ochreostrigella Chambers, 1875b: 257. Gelechia; PSEU-DOTYPE, specimen (4), MCZ 1536; United States: Arizona, Arizona, Arizona; Chionodes ochreostrigella (Chambers); Abdomen missing.

ochreostrigella Chambers, 1875b: 257. Gelechia; PSEU-DOTYPE, specimen (4), United States: Arizona, Arizona, Arizona; Chionodes ochreostrigella (Chambers); Abdomen missing.

platanella Chambers, 1875b: 257. Gelechia; PSEU-DOTYPE, specimen (4), United States: Arizona, Arizona, Arizona; Chionodes ochreostrigella (Chambers); Abdomen missing.

platanella Chambers, 1875b: 257. Gelechia; PSEU-DOTYPE, specimen (4), United States: Arizona, Arizona, Arizona; Chionodes ochreostrigella (Chambers); Abdomen missing.

platanella Chambers, 1875b: 257. Gelechia; PSEU-DOTYPE, specimen (4), United States: Arizona, Arizona, Arizona; Chionodes ochreostrigella (Chambers); Abdomen missing.

platanella Chambers, 1875b: 257. Gelechia; PSEU-DOTYPE, specimen (4), United States: Arizona, Arizona, Arizona; Chionodes ochreostrigella (Chambers); Abdomen missing.

platanella Chambers, 1875b: 257. Gelechia; PSEU-DOTYPE, specimen (4), United States: Arizona, Arizona, Arizona; Chionodes ochreostrigella (Chambers); Abdomen missing.

platanella Chambers, 1875b: 257. Gelechia; PSEU-DOTYPE, specimen (4), United States: Arizona, Arizona, Arizona; Chionodes ochreostrigella (Chambers); Abdomen missing.

platanella Chambers, 1875b: 257. Gelechia; PSEU-DOTYPE, specimen (4), United States: Arizona, Arizona, Arizona; Chionodes ochreostrigella (Chambers); Abdomen missing.

platanella Chambers, 1875b: 257. Gelechia; PSEU-DOTYPE, specimen (4), United States: Arizona, Arizona, Arizona; Chionodes ochreostrigella (Chambers); Abdomen missing.

platanella Chambers, 1875b: 257. Gelechia; PSEU-DOTYPE, specimen (4), United States: Arizona, Arizona, Arizona; Chionodes ochreostrigella (Chambers); Abdomen missing.

platanella Chambers, 1875b: 257. Gelechia; PSEU-DOTYPE, specimen (4), United States: Arizona, Arizona, Arizona; Chionodes ochreostrigella (Chambers); Abdomen missing.
plutella Chambers, 1874b: 241, Neda; SYNTAXES (2), MCZ 1369; United States: Texas; *Megaacras-pedus plutella* (Chambers); Another syntype in USNM.

plutella Chambers, 1875d: 106, Phaetusa; PSEUDOTYPES (2), MCZ 1429; United States: Kentucky; *Eriope leuconota* (Zeller); These specimens are from Kentucky, not as stated in the original description. One female syntype in USNM.

prunifoliella Chambers, 1873a: 186, Eviæpe; SYNTAXE male, MCZ 1537; United States: Kentucky, Chambers.

pseudacaciella Chambers, 1872a: 107, Depressaria; SYNTAXES (11), MCZ 1490, United States: Kentucky, Chambers; *Filatima pseudacaciella* (Chambers).

pudiohundella Zeller, 1873: 273, Aristotelia; LECTOTYPE male, MCZ 1441; United States: Texas, Dallas, Boll; Lectotype designated by Forbes (1932: 429).

quadrimaculella Chambers, 1874b: 237, Gelechia; LECTOTYPE male, MCZ 1436; United States: Texas; *Anacampsis rhoifructella* (Clemens); The lectotype, present designation, bears the following labels: 1) "Type 1436"; 2) "Gelechia quadtrimaculella Cham. Texas"); 3) "Anacampsis rhoifructella Clem. = quadrimaculella Cham. AB 1902"); 4) "Lectotype R. W. Hodges. It is selected to ensure that the name continues to be associated with Anacampsis rhoifructella (Clemens). The second syntype is a species of Neoactylota.

quericiella Chambers, 1872a: 127, Depressaria; SYNTAXES (3), MCZ 1558; United States: Kentucky, Chambers; *Neotelaphusa quericiella* (Chambers).

quericiella Chambers, 1872a: 223, Ypsolophus; PSEUDOTYPE female, MCZ 1560; United States: Kentucky, Chambers; *Dichomeris centerella* (Fitch); The identification label reads "Ypsolophus quericella var. pomatella 182/1", and the specimen is *Dichomeris ligulella* Huebner. The original description of quericiella clearly states that the wings are broad and thus does not apply to this specimen.

quericinigracella Chambers, 1872a: 170, Gelechia; HOLOTYPETE male, MCZ 1701; United States: Kentucky, Chambers; *Pseudotelaphusa quericinigracella* (Chambers); Abdomen and right wings missing.

querirepominella Chambers, 1872a: 222, Ypsolophus; HOLOTYPETE female, MCZ 1560, United States: Kentucky, Chambers; *Dichomeris ligulella* Huebner.

quericivorella Chambers, 1872a: 173, Gelechia; HOLOTYPETE female, MCZ 1539; United States: Kentucky, Chambers; *Coleotechuites quericivorella* (Chambers).

quinqueannulella Chambers, 1872a: 191, Gelechia; HOLOTYPETE female, MCZ 1467; United States: Kentucky, Chambers; *Tripanisima prudens* Clemens.

reedella Chambers, 1872a: 222, Ypsolophus; SYNTAXES (3), MCZ 1559; United States: Kentucky, Chambers; *Dichomeris ligulella* Huebner; The three specimens are the same species.

rheseella Chambers, 1875c: 290, Gelechia; HOLOTYPETE female, MCZ 2984, United States: Colorado, Spanish Bar, Clear Creek.

rileyella Chambers, 1872a: 106, Depressaria; SYNTAXES (3), MCZ 1431; United States: Kentucky, Chambers; *Gelechia rileyella* (Chambers).

rubensella Chambers, 1872a: 193, Gelechia; PSEUDOTYPES (3), MCZ 1449; United States: Kentucky, Chambers; *Aristotelia rubidella* (Clemens); The status of these specimens as types is questionable. Chambers described rubensella from a single specimen that had its fringes sinned by a gas light. None of these is sinned.

rufusella Chambers, 1874b: 240, Gelechia; SYNTAXES (3), MCZ 1444; United States: Texas; *Anacampsis fallonella* (Zeller).

saphirinella Chambers, 1875b: 250, Gelechia; HOLOTYPETE, MCZ 1468; United States: [Kentucky, Chambers]; *Gnorimoschema saphirinella* (Chambers); Labial palpi, right hindwing, and abdomen missing. The right forewing is glued on a block. Although the original description implies Texas as the type locality, the label states "Kentucky. Chambers.

saundersella Chambers, 1876b: 173, Gelechia SYNTAXES (2), MCZ 1540; United States: Kentucky, Chambers; *Taygete saundersella* (Chambers).

seutellariaecella Chambers, 1873a: 175, Gelechia; SYNTAXE male, MCZ 1541; United States: Kentucky, Boone County, Verona; *Scrobipalpa seutellariaecella* (Chambers).

sellaria Chambers, 1877a: 238, Gelechia; LECTOTYPETE male, MCZ 1481; United States: Texas; *Deltophora sellaria* (Chambers); Lectotype designated by Sattler (1979: 294).

serratipalpella Chambers, 1877a: 123, Gelechia; HOLOTYPETE male, MCZ 1479; United States: Colorado, Edgerton; *Gnorimoschema serratipalpella* (Chambers); The abdomen is glued to the rest of the specimen.

serrativittella Zeller, 1873: 280, Gelechia; PARATEXTOTYPETE female, MCZ 1705; United States: Texas, Dallas, Boll; *Dichomeris serrativittella* (Zeller); Lectotype female in BMNH designated by Hodges (1986: 101).
sexstrigella Chambers. 1874b: 248. Polyhymnus; SYNTYPES (3), MCZ 1545; United States: Texas; Calipora sexstrigella (Chambers).

solaniiella Chambers. 1873a: 176. Gelechia; PSEUDOTYPE female, MCZ 2453. Isophritics similiiella (Chambers); Gelechia solaniiella Chambers is a replacement name for Gelechia similiiella Chambers, 1872.

straminiella Chambers. 1872a: 224. Ypsolophus; LECTOTYPE female, MCZ 1558; United States: Kentucky; Chambers; Dichomeris punctidiscella (Clemens); LECTOTYPE designated by Hodges (1986: 54).

ternariella Zeller. 1873: 264. Gelechia; HOLOTYPE female, MCZ 1702; United States: Texas; Fascista binaccula (Chambers).

texanella Chambers. 1850b: 179. Aneyschia; LECTOTYPE male, MCZ 1424; United States: Texas; Luta texanella (Chambers); LECTOTYPE designated by Hodges (1966: 30).

thoracealbella Chambers. 1874b: 235, Gelechia; SYNTYPE male, MCZ 1455; United States: Texas; Waco, Belfrage; Aroga thoracealbella (Chambers).

trialbomaculella Chambers. 1875b: 250, Gelechia; HOLOTYPE female, MCZ 1456; United States: Texas, Waco, Belfrage; Aroga trialbomaculella (Chambers); Head and right wings missing.

trifasciella Chambers. 1875b: 252. Gelechia; SYNTYPES (2), MCZ 1445; United States: Texas, Waco, Belfrage; Filatima albioroella (Zeller).

trilineella Chambers. 1877a: 125. Gelechia; SYNTYPES (6), MCZ 1454; United States: Colorado, Edgerton; Aroga trilineella (Chambers); One syntype is not conspecific with the other five.

trimaculella Chambers. 1874b: 243. Anarsia; LECTOTYPE male, MCZ 1556; United States: Texas, Waco, Belfrage; Isophritics trimaculella (Chambers); The LECTOTYPE, present designation, bears the following labels: 1"Type 1556"; 2"Texas"; 3"72"; 4"996"; 5"trimaculella"; 6"Lectotype R W Hodges'; 7"RWH genitalia slide 3314." It is selected to ensure continued use of the name in Isophritics. Three species are represented among the syntypes.

trimaculella Chambers. 1874b: 238, Gelechia; PARALECTOTYPES (3), MCZ 1470; United States: Texas, Waco, Belfrage; Helystogramma melanocarpum (Meyrick); LECTOTYPE in USNM designated by Hodges (1986: 130).

trimaculella Packard. 1867: 61. Gelechia; SYNTYPES (2), MCZ 1563; Canada: Labrador, Strawberry Harbor; Chionodes continuella (Zeller).

trimaculella Chambers. 1877a: 127. Gelechia; SYNTYPES (6), MCZ 1453; United States: Colorado, Edgerton; Gnorimoschema trimaculella (Chambers).

unetulella Zeller. 1873: 257. Gelechia; HOLOTYPE male, MCZ 1763; United States: Texas, Boll; Filatima ornatifimbriella (Clemens).

variella Chambers. 1872a: 174. Gelechia; SYNTYPES (2 of several), MCZ 1344; United States: Kentucky, Chambers; Coleotechnites variella (Chambers); One female syntype is in USNM.


violaceofusa Zeller. 1873: 258. Gelechia; HOLOTYPE male, MCZ 2981; United States: Texas, Dallas, Boll; Chionodes discococcella (Chambers).


SUPERFAMILY COPROMORPHOIDEA
Family Glyphipterigidae

exoptatella Chambers. 1875b: 234, Glyphipteryx [sic]; HOLOTYPE, MCZ 1564; United States: Kentucky, Linden Grove Cemetery, [June]. Chambers; Diplochelaria impigritella (Clemens); Heppner (1981: 322) gives type locality as "[Covington, Kenton Co.]."

montisella Chambers. 1875c: 292, Glyphipteryx [sic]; LECTOTYPE male, MCZ 32857; United States: Colorado, Denver, South Park, 10,000 feet; Glyphipteryx montisella Chambers; LECTOTYPE designated by Heppner (1985: 124).

SUPERFAMILY YPONOMEUTOIDEA
Family Platellidae

NOTE: The Walsingham syntypes in this family were sent to Chambers by Walsingham. We suggest that lectotypes should be selected from syntypes at the BMNH because Walsingham’s personal collection is there. He most likely sent syntypes (a term not used in the 1880s) to Chambers as examples of his species. Types (holotypes and lectotypes in current terms) he would have retained.

canariella Walsingham, 1881: 309, pl. XXXV, fig. 11. Cerostoma; SYNTYPES (2), MCZ 14982; United States: California, Lake County, Scott’s Valley, 18 May 1871; Ypsolopa canariella (Walsingham).

castella Walsingham, 1881: 310, pl. XXXV, fig. 13. Eurasia; SYNTYPES (2), MCZ 14984; United States: California, San Francisco.
dentiferella Walsingham, 1881: 308, pl. XXXV, fig. 10, Cerostoma; SYNTYPES (2), MCZ 14955; United States: California, Mount Shasta, August 1871; Ypsolopa dentiferella (Walsingham).

caliciferella Walsingham, 1881: 307, pl. XXXV, fig. 7, Cerostoma; SYNTYPE (1 of 18), MCZ 14958; United States: California and Oregon; Ypsolopa caliciferella (Walsingham).

frustella Walsingham, 1881: 309, pl. XXXV, fig. 12, Cerostoma; SYNTYPES (2 of 26), MCZ 14951; United States: California, Shasta County, 28 July 1871; Ypsolopa frustella (Walsingham).

ochrella Chambers, 1880b: 181, Pluteoloptera; SYNTYPES, MCZ 14314; United States: Texas, Belfrage; Ypsolopa ochrella (Clemens); Missing left wings.

polita Walsingham, 1881: 302, pl. XXXV, fig. 2, Calantica; SYNTYPES (2), MCZ 14992; United States: California; Eucalanctica polita (Walsingham).

prellula Walsingham, 1881: 311, pl. XXXV, fig. 14, Eucratia; SYNTYPE (1 of 17), MCZ 14983; United States: California, Sonoma County, May 1871.

subfasciella Walsingham, 1881: 303, pl. XXXV, fig. 3, Araeolepia; PARALECTOTYPE (1 of 17), MCZ 14986; United States: Oregon, Current Creek (an affluent of John Day River), 16 April 1872; Lectotype in BMNH designated by Heppner (1982: 278).

vanella Walsingham, 1881: 305, pl. XXXV, fig. 6, Plutella; SYNTYPE, MCZ 14987; United States: California, San Francisco.

Family Yponomeutidae


crasivenella Zeller, 1872: 563, fig. 27, Enaemia; HOLOTYPE female, MCZ 15001; United States: Texas, Dallas, Boll; Lectura pupula (Huebner).

Family Argyresthiidae

altissimella Chambers, 1877d: 130, 147, Argyresthia; SYNTYPE, MCZ 1412; United States: Colorado, Mount Elbert, 11,000 feet, July.

asterella Zeller, 1873: 305, fig. 38, Argyresthia; SYNTYPES (3 of 6), MCZ 14254; United States: Texas, Dallas, Boll.

belangerella Chambers, 1875e: 145, Argyresthia; SYNTYPE, MCZ 1407; Canada; Missing right wings.

deletella Zeller, 1873: 305, Argyresthia; SYNTYPES (3), MCZ 14254; United States: Texas, Dallas, Boll.


quadropriella Zeller, 1873: 304, Argyresthia; HOLOTYPE male, MCZ 14252; United States: Texas, Dallas, Boll; Missing abdomen.

quercicolella Walsingham, 1871: 24, pl. 1, fig. 6, Bucellatrix; SYNTYPES, MCZ 14963; United States: Maine, Brunswick, July, on cedar tree; Argyresthia thuiella (Packard); Fragments of several specimens in vial.

undulatella Chambers, 1874a: 10, Argyresthia; SYNTYPES (6), MCZ 1408; United States: Kentucky, Chambers.

Family Heliodinidae

abroniella Chambers, 1876b: 217, Lithariapteryx; SYNTYPES (9), MCZ 1566; United States: Colorado, Edgerton, over 6000 feet, July.

bella Chambers, 1875d: 73, Aetole; SYNTYPE, MCZ 1364; United States: Texas, August, Belfrage; Heliodines bella (Chambers).

SUPERFAMILY SESIOIDEA

Family Sesidae

aureopurpura H. Edwards, 1880: 72, Aegeria; HOLOTYPE female, MCZ 928; United States: Texas, Dallas, Boll; Carmenta basformis (Walker).

caudata Harris, 1839: 311, Aegeria; SYNTYPES (1 male, 1 female), MCZ 26354; United States: [Massachusetts, Neponset River, 30 August 1833, Harris no. 57]; Alecthoe caudata (Harris).

cueurbitae Harris, 1828: 33, Aegeria; SYNTYPES (5 adults and 5 pupal cases), MCZ 33258; United States: [Harris no. 249]; Melittia cueurbitae (Harris).

denaudatum Harris, 1839: 310, Trochilium; SYNTYPE, MCZ 26359; United States: [Harris no. 311]; Sesia asilippens (Boisduval).

fulvipes Harris, 1839: 312, Argyresthia; SYNTYPE, MCZ 26361; United States: [Harris no. 17]; Synanthedon fulvipes (Harris).

maenilipes Grote and Robinson, 1867: 184, Zenoeldoxus; PSEUDOTYPE female, MCZ 929; United States: Texas, Dallas, Boll; Not a synotype according to Duckworth and Eichlin (1978: 16).

marginatum Harris, 1839: 309, Trochilium; SYN-
TYPE female, MCZ 26356; United States. New Hampshire, [Dublin], L. W. Leonard [Harris no. 385]; Pennisecta marginata (Harris).

nebraskae H. Edwards, 1881: 181, Enhaegea; HOLLTYPE male, MCZ 2930; United States: Nebraska, Mr. Austin; Broken and in poor condition.

polistiformis Harris, 1854: 216, Aegeria; SYNTYPES (3 males, 2 females, 3 pupal cases), MCZ 26558; United States: North Carolina, Albemarle, F. J. Kron [Harris no. 791]; Vitacea polistiformis (Harris).

pyri Harris, 1830: 2, Aegeria; SYNTYPES, MCZ 26363; United States: [Massachusetts, Dorchester and Cambridge, Harris no. 702]; Synanthedon pyri (Harris); Missing abdomen.

scitula Harris, 1839: 313, Aegeria; SYNTYPES (2 adults, 1 pupal shell), MCZ 26362; United States: [Harris no. 333]; Synanthedon scitula (Harris).

syringae Harris, 1839: 311, Aegeria; LECTOTYPE male, MCZ 26360; United States: [Harris no. 464]; Podosesia syringae (Harris); One male and one female paralecotype, MCZ 26360. Lecotype designated by Purrington and Nielsen (1987: 551).

tibiale Harris, 1839: 309, Trochilium; SYNTYPE female, MCZ 26355; United States: New Hampshire, [Dublin], L. W. Leonard [Harris no. 387]; Sesia tibialis (Harris).

tricincta Harris, 1839: 310, Aegeria; SYNTYPES (1 male, 1 female), MCZ 26357; United States: [Harris no. 322]; Paranthrene tabaniformis (Rottemburg).

SUPERFAMILY COSSOIDEA

Family Cossidae

"crepera" Harris, 1833: 591, Cossus"; "SYNTYPE" male, MCZ 26393; United States: New Hampshire, [Dublin], L. W. Leonard [Harris no. 582]; Prionoxystus robiniae (Peck); The original description of crepera is generally cited as Harris (1935a: 592; 1935b: 72), but it is only listed there (as Cossus crepera), not described or illustrated. The first description seems to be that of Packard (1864c: 388) as Xyleutes crepera.

SUPERFAMILY TORTRICOIDEA

Family Tortricidae (including Cochylidae)

allatina Zeller, 1875: 295, fig. 27, Grapholitha; SYNTYPES (2), MCZ 14325; United States: New York, "3/71," Speyer, and Texas, Dallas, Boll; Epistimus argutatus (Clemens)

amphorana Walsingham, 1879: 63, pl. LXXIV, fig. 9, Semasia; SYNTYPES (2), MCZ 15006; United States: Oregon, John Day River, Camp Watson, April, Walsingham; Planeta amphorana (Walsingham).

angleseana Kearfott, 1907a: 64, Enarmonia; PARALECOTYPE, MCZ 15014; United States: New Jersey, Anglesea, V-90 (?), W. D. Kearfott; Graphorita angleseana (Kearfott); Lectotype in AMNH designated by Klots (1942: 395); see also Heinrich (1926: 31).

bobana Kearfott, 1907a: 26, Eucosma; PARALECOTYPE, MCZ 14322; United States: Texas, Harris County, 7-5-1899. Described from three syntypes. Heinrich (1923: 103) designated the Salida, Colorado, specimen as lectotype; it is in USNM, not AMNH as he indicated. The third specimen, from Southwest Colorado, is in AMNH (Klots, 1942: 399). See also Powell (1965: 10).

bolanderana Walsingham, 1879: 42, pl. LXIX, fig. 10, Paedesia; SYNTYPE, MCZ 15003; United States: California, Mount Shasta, August 1871, Walsingham; Eucosma bolanderana (Walsingham); Missing abdomen.

cockerellana Kearfott, 1907a: 71, Tortrix; PARALECOTYPE, MCZ 14320; United States: Colorado, Glenwood Springs, September 1899; Arygrototaenia cockerellana (Kearfott); Lectotype male in AMNH designated by Powell (1964: 225).

constrictana Zeller, 1875: 305, fig. 36, Paedesia; HOLTYPEx male, MCZ 14335; United States: Texas, Dallas; Boll; Sonia constrictana (Zeller); Lectotype designated by Miller (1976: 50).

desertana Zeller, 1875: 306, fig. 37, Paedesia; LECTOTYPE male, MCZ 14338; United States: Texas, Dallas; Boll; Epiblema desertana (Zeller); Lectotype designated by Miller (1976: 50).

dietiziana Kearfott, 1907a: 92, Epinotia; PARALECOTYPE (2), MCZ 14302; United States: Pennsylvania, Hazleton, W. G. Dietz; Rhophoba dietiziana (Kearfott); Lectotype in AMNH designated by Klots (1942: 401); see also Heinrich (1923: 191).

dodana Kearfott, 1907a: 27, Eucosma; PARALECOTYPE, MCZ 15019; United States: SW Colorado, 7-13-1889, W. G. Dietz; Missing abdomen. Lectotype in AMNH designated by Klots (1942: 401); see also Heinrich (1923: 166).

dodecana Zeller, 1875: 311, fig. 40, Paedesia; SYNTYPES (5), MCZ 14341; United States: Texas, Dallas, Boll; Pelobechrista scintillana (Clemens).

eclipsana Zeller, 1875: 298, fig. 29, Grapholitha [sic]; HOLTYPEx male, MCZ 14328; United States: Texas, Dallas; Boll; Missing abdomen.

ednana Kearfott, 1907c: 161, pl. VIII: fig. 13, Philonia; PARALECOTYPE (2), MCZ 15017; United
States: Pennsylvania, Hazleton; *Anopina cdnana* (Kearfott); Lectotype in AMNH designated by Klots (1942: 417).

**exasperatana** Zeller, 1875: 238, Tortrix; SYNTAXES (2), MCZ 14309; United States: Texas, Dallas, Boll; *Platynota exasperatana* (Zeller).

**fagigemmaeana** Chambers, 1878b: 74, *Exartema*; SYNTAXE, MCZ 15007; United States: Kentucky, Chambers; *Olethreutes fagigemmaeana* (Chambers); Wings only, plus pupal case. Chambers refers to a single specimen in the MCZ, but then describes both sexes.

**fragariana** Packard, 1869: 335, Lozotaenia; SYNTAXE, MCZ 14315; United States: Maine; *Clepsis persicaria* (Fitch); Missing abdomen.

**frigidana** Packard, 1856: 57, *Penthina*; LECTOTYPE male, MCZ 14306; Canada: Labrador; *Apatomis frigidana* (Packard); This species was described from two syntypes. Adamski and Peters (1986: 664) designated the lectotype (Code, Art. 74(b)). The male paralectotype is also in MCZ.

**frustrana** Comstock, 1880: 236, *Retinia*; PSEUDOTYPES (23+), MCZ 30298; United States: Massachusetts, Nantucket Island, S. H. Scudder; *Rhyacobia frustrana* (Comstock); The name *Retinia frustrana* was published by both Comstock (1880) and Scudder (1883). These specimens are Scudder's invalid type series. The lectotype in USNM designated by Miller (1907: 591).

**fulvirfrontana** Packard, 1866: 59, *Penthina*; SYNTAXES (2), MCZ 14305; Canada: Labrador; *Olethreutes septentrioniana* (Curtis).

**glaucofuscana** Zeller, 1875: 245, Conchylis; HOLOTYPE female, MCZ 14303; United States: Texas, Dallas, Boll.

**gomonana** Kearfott, 1907b: 78, *Eucosma*; PARALECOTYPE, MCZ 14301; United States: New Jersey, Essex County, 5-11-1900, W. D. Kearfott; Lectotype in AMNH designated by Klots (1942: 403); see also Heinrich (1923: 119).

**haincbianchana** Kearfott, 1907a: 51, *Epinotia*; PARALECOTYPE, MCZ 14300; United States: Pennsylvania, Philadelphia, VI-23-1904, F. Hainbach; *Gypsonoma haincbianchana* (Kearfott); Lectotype in AMNH designated by Klots (1942: 403); see also Heinrich (1923: 163).

**inimicella** Zeller, 1872: 559, fig. 20, Galleria; HOLOTYPE male, MCZ 14275; United States: Texas, Dallas, Boll; *Pseudogalleria inimicella* (Zeller).

**leueophaleratanana** Packard, 1866: 56, *Pandemis*; SYNTAXE, MCZ 14331; Canada: Labrador; *Anuclyis tincana* (Huebner).


**macedana** Zeller, 1875: 260, *Phoxopterus*; SYNTAXE; MCZ 14330; United States: Texas, Dallas, Boll; *Anclyis plataniana* (Clemens).

**merriekanum** Kearfott, 1907c: 156, pl. VIII, fig. 1, *Exartema*; PARALECOTYPE, MCZ 15016; United States: Pennsylvania, New Brighton, VII-5-1904, H. D. Merrick; *Olethreutes merriekanum* (Kearfott); Lectotype in AMNH designated by Klots (1942: 405); see also Heinrich (1926: 149).

**micleana** Kearfott, 1907a: 91, *Eucosma*; LECTOPTYPE, MCZ 15020; United States: California, Placer County, Cisco; *Epinotia micleana* (Kearfott); Lectotype in AMNH designated by Klots (1942).

**murina** Packard, 1867-69, *Penthina*; LECTOTYPE male, MCZ 14307; Canada: Labrador, Caribou Island; *Olethreutes metallicana* (Huebner); Lectotype designated by Miller (1985: 410); also paralectotype male.

**nebulosana** Packard, 1866: 61, *Grapholitha*; SYNTAXE; MCZ 14312; Canada: Labrador; *Gypsonoma nebulosana* (Packard); An additional MCZ specimen may be a syntype. Heinrich (1923: 261) cites a male "type" in the Fernald collection.

**niveosana** Packard, 1866: 55, *Sciaphila*; SYNTAXES (6), MCZ 14313, Canada: Labrador; *Eana niveosana* (Packard).

**númerosana** Zeller, 1876: 317, *Paedisea*; HOLOTYPE male, MCZ 14339; United States: Texas, Dallas, Boll; *Epiblema numerosana* (Zeller).

**ochromediana** Kearfott, 1907a: 11, *Olethreutes*; PARALECOTYPE, MCZ 14332; United States: Pennsylvania, Hazleton, 6-21-1902, *Olethreutes osmundana* (Fernald); Lectotype in AMNH designated by Heinrich (1926: 170).

**olivaeana** Fernald, 1882: 71, *Eccopsis*; PARALECOTYPES (2), MCZ 14334; United States [no data]; *Olethreutes olivaeana* (Fernald); Lectotype in USNM designated by Miller (1970: 292).

**osmundana** Fernald, 1879: 156, *Penthina*; PARALECOTYPE, MCZ 15010; United States: Maine, Orono, feeding on *Osmunda regalis*, emerged 1 July 1879, A. Allen; *Olethreutes osmundana* (Fernald); Lectotype in USNM designated by Miller (1970: 292).

**packardi** Zeller, 1875: 300, fig. 31, *Grapholitha* [sic]; HOLOTYPE, MCZ 14329; United States: Texas, Dallas, Boll; Missing abdomen.

**peculiana** Zeller, 1875: 210, fig. 1, *Teras*; HOLOTYPE female, MCZ 14316; United States: Texas, Dallas, Boll; *Acleris submitana* (Walker).
quintana Zeller. 1875: 299, fig. 30. Grapholitha [sic]; HOLOTYPE female, MCZ 14327; United States: Texas, Dallas, Boll; *Sereda tautana* (Clemens).


plumbolineana Kearfott, 1907a: 53. *Epinotia*; PARALEC-TOTYPE, MCZ 14301; Canada: British Columbia, Wellington; Lectotype in AMNH designated by Klots (1942).

primulanana Walsingham, 1879: 45. pl. LXX, fig. 7. *Paedisca*; SYNTYPES, MCZ 15004; United States: California, Mendocino County, 10 June 1871, Walsingham; *Eucosma primulanana* (Walsingham).

prosperana Kearfott, 1907b: 128. *Enarmonia*; PARALEC-TOTYPE, MCZ 15013; United States: California. San Luis Obispo, III-[no year]. A. H. Vachell; *Cydia prosperana* (Kearfott); Lectotype in AMNH designated by Klots (1942: 408); see also Heinrich (1926: 57).

ptychogrammos Zeller, 1875: 213. *Teras hastiana* variety; HOLOTYPE male, MCZ 14317; United States: Texas, Dallas, Boll; *Acleris ptychogrammos* (Zeller); Missing abdomen and hindwings.

quintana Zeller, 1875: 504, figs. 34, 35. *Paedisca*; SYNTYPES (2), MCZ 14340; United States: Texas, Dallas, Boll; *Eucosma robinsonana* (Grote).

raracana Kearfott. 1907a: 44. *Thiodia*; PARALEC-TOTYPE, MCZ 14326; United States: [no locality]. ["8-12-99"]; *Phaneta raracana* (Kearfott); Lectotype in AMNH designated by Heinrich (1925: 41).

seriitana Zeller. 1875: 244. *Conchylios*; HOLOTYPE male, MCZ 14304; United States: Texas, Dallas, Boll; *Acheta seriitana* (Zeller).

seriitana Zeller. 1875: 220. *Tortrix*; SYNTYPES (4), MCZ 14314; United States: Texas, Dallas, Boll; *Cleopsis virescana* (Clemens).


spiculana Zeller. 1875: 259, fig. 23. *Grapholitha*; HOLOTYPE female, MCZ 14324; United States: Texas, Dallas, Boll; *Phaneta spiculana* (Zeller); Missing abdomen and right forewing.

terracoetana Walsingham. 1879: 39. *Paedisca*; SYNTYPE, MCZ 15005; United States: California, Mount Shasta. *Epinotia terracoetana* (Walsingham). This species was described from 7 syntypes from Mount Shasta. Six syntypes and an additional 24 specimens from Mount Shasta and Mendocino City are now in the BNIN. Like other Walsingham California syntypes in the MCZ, this specimen does not bear labels in Walsingham’s own handwriting, but was presumably received by Chambers.

tessellana Packard, 1866: 58. *Penthina*; SYNTYPES (6), MCZ 14308; Canada: Labrador; *Olethreutes internistiana* (Clemens).


trippartitana Zeller, 1875: 308, fig. 39. *Paedisca*; HOLOTYPE female, MCZ 14337; United States: Texas, Dallas, Boll; *Epinotia tripartitana* (Zeller).


variolana Zeller, 1875: 212. *Teras*; HOLOTYPE male, MCZ 14318; United States: Texas, Dallas, Boll; *Acleris minuta* (Robinson).


verutana Zeller, 1875: 247. *Bactra lanceolana* variety; SYNTYPES (2), MCZ 14333; United States: Texas, Dallas, Boll; *Bactra verutana* Zeller.

vestaliana Zeller, 1875: 286, fig. 21. *Grapholitha [sic]*; HOLOTYPE male, MCZ 14323; United States: Texas, Dallas, Boll; *Hystrichophora vestaliana* (Zeller); The holotype is a male, not a female as stated by Zeller.

vitivorana Packard, 1869: 336, pl. 8, fig. 22. *Penthina*; SYNTYPE, MCZ 15008; United States: Ohio, Hudson, M. C. Reed; *Endopiza citica* Clemens; Missing abdomen and right hindwing.


zana Kearfott. 1907a: 61, *Enarmonia*; PARALEC-TOTYPE, MCZ 15013; Canada: British Columbia, Wellington, VI-[no year]. T. Bryant; *Grapholitha ceruleana* Walsingham; Lectotype in AMNH designated by Klots (1942: 412); see also Heinrich (1926: 31).
SUPERFAMILY ZYGAEANOIDEA

Family Zygaenidae

sanborni Packard, 1864a: 32, Harrisina; HOLOTYPE [?], MCZ 27316; United States: Virginia, Alexandria, J. O. Treat; Acrolothis falsarius Clemens; This may not be the holotype, which was "loaned . . . by Mr. Sanborn."

Family Limacodidae

bifida Packard, 1864c: 338, Euclea; SYNTYPES [?](2 males), MCZ 16028; United States: Maine, Brunswick, "at light", August; Euclea delphinii (Boisduval).

biguttata Packard, 1864c: 341, Limacodes; SYNTYPE, MCZ 26382; United States: Pennsylvania [Harris no. 753], Apoda biguttata (Packard); Two additional Harris specimens may be syntypes.

cineremum Forbes, 1942: 389, Palacophobetron; HOLOTYPE male, MCZ 26269; Panama: Canal Zone, Barro Colorado Island, 31 December 1834, [A. Friedman]; Label states collector was A. Friedman, not M. Bates as stated by Forbes.

ephippatus Harris, 1869: 301, pl. 1, fig. 7, pl. II, fig. 10, Limacodes; SYNTYPES (2 males, 2 females, 3 pupal cases), MCZ 53259; United States: "probably from Pennsylvania"; T. Hill [Harris no. 775], Acharia stimulea (Clemens) (see Becker and Miller, 1989).

ferruginea Packard, 1864c: 338, Euclea; HOLOTYPE female, MCZ 16027; United States: "St. Catharines, C. W. (Coll. Scudder)"); Euclea delphinii (Boisduval); Specimen is a female, not a male as stated by Packard.

geminata Packard, 1864c: 343, Cyrtosia; SYNTYPE male, MCZ 16031; United States: Maryland, Janesville, R. Stratton; Packardia geminata (Packard); Packard (1964) and Tietz ([1952]: 151) record syntype(s) from Philadelphia in ANSP.

monitor Packard, 1864c: 337, Euclea; SYNTYPES (2 males), MCZ 16029; United States: Massachusetts, Cambridge and Boston; Euclea delphinii (Boisduval); Additional 2 male, 2 female syntypes in Harris Collection.

testacea Packard, 1864c: 348, Tortricidia; SYNTYPES (2), MCZ 26384; United States: [Harris no. 315].

y-inversa Packard, 1864c: 341, Limacodes; HOLOTYPE, MCZ 26383; United States: Pennsylvania [Harris no. 781], Apoda y-inversa (Packard); A pseudotype in main collection, MCZ 16030.

Family Megalopygidae

crispata Packard, 1864c: 335, Lagoa; SYNTYPES (1 male, 1 female), MCZ 27315; United States: Massachusetts, Brookline, C. A. Shurtleff; Megalopyge crispata (Packard); Packard notes "thirteen specimens reared from the blackberry bush by Mr. Shurtleff."

immaculata Cassino, 1928: 91, Lagoa; HOLOTYPE male, MCZ 32865; United States: Texas, Davis Mountains, 1–7 February 1926, O. C. Poling; Megalopyge immaculata (Cassino); Probably a synonym of Megalopyge laycei (Barnes and McDunnough).

pulla Forbes, 1942: 401, Troisia; HOLOTYPE female, MCZ 26269; Panama: Canal Zone, Barro Colorado Island, 10 October 1934, M. Bates.

SUPERFAMILY PYRALOIDEA

Family Pyralidae

albiplagiatella Packard, 1873b: 269, Myelois; SYNTYPES (2 males of 2), MCZ 14291; United States: New Hampshire, May and June, C. A. Walker; Pinia albiplagiatella (Packard).

anticostalis Grote, 1871: 104, Roty's; SYNTYPES (1 male, 1 female), MCZ 14263; United States: Alabama, "about Demopolis"; Eulepte anticostalis (Grote).

argillaceus Packard, 1867: 54, Crambus; SYNTYPES (2), MCZ 14295; Canada: Labrador, Square Island, 14 July 1864; Raphiptera argillaceus (Packard).


borealis Packard, 1867: 53, Pyrausta; HOLOTYPE female, MCZ 14270; Canada: Labrador, Square Island, 14 July [1864]; Pyrausta subsequalis borealis Packard.

cecaulalis Zeller, 1875: 333, pl. 10, fig. 46, Perispasta; HOLOTYPE male, MCZ 14259; United States: Texas, Dallas, Boll.

californialis Packard, 1873a: 264, Eromene; LEC-TOTYPE male, MCZ 14297; United States: California, H. Edwards; Euchronius californialis (Packard); Capps (1966: 5) saw two of the three males now in the collection, and designated one of the two as lectotype, without so labelling it. Since there are three specimens, not two, it is not clear which one is the lectotype. One of the three may not be a syntype because it was collected by Behrens, not Edwards.
carpenterellus Packard. 1874: 548, fig. 1. Crabmus; SYNTYPES (4 of 8), MCZ 14299; United States: Colorado, "Mountains of Colorado", 19 July, 12 August, and 8 September 1873, W. L. Carpenter; Crabmus hannahi carpenterellus Packard; Brown (1972: 247) restricted the type locality to Weston Pass, Park County, Colorado.


consohrinella Zeller. 1872: 548, Nephopteryx; HOLOTYPE male, MCZ 14257; United States: Texas, Dallas, Boll; Glyptocera consohrinella (Zeller).

cuprina Zeller. 1872: 497. Aglossa; SYNTYPES (1 male, 1 female), MCZ 14257; United States: Texas, Dallas, Boll.

decimerella Hulst. 1888: 117, Lipographis; Probable SYNTAXE female, MCZ 14258; United States: Texas, Blanco County, August; Stylopalpia scobiella (Grote).

deadsii Packard. 1864b: 120. Nephopteryx; SYNTAXE, MCZ 14278; United States: Massachusetts; Vitula deadsii (Packard).

electella Hulst. 1887: 137. Anerastia; Probable SYNTAXE, MCZ 14279; United States: Texas, Blanco County; Homoeosoma electella (Hulst).

fenestrella Packard, 1873a: 259. Pempelia; SYNTAXE (2 of 6), MCZ 14292; United States: California, H. Edwards; Lipographis fenestrella (Packard); Edwards number 711 indicates Angel Island, April.

eriella Hulst. 1888: 115, Taeoma; Probable SYNTAXE, MCZ 14286; United States: Texas, [Blanco County, August].


frigidella Packard, 1867: 53, Eudorea; SYNTAXE, MCZ 14296; Canada: Labrador, Caribou Island; Pyila fusea (Haworth); Abdomen missing.

fulminalis Zeller. 1872: 560, fig. 19, Melissoblabtes; HOLOTYPE male, MCZ 14276; United States: Texas, Dallas, Boll: Paralyca fulminalis (Zeller).

glacialis Packard, 1867: 52, Botys; HOLOTYPE female, MCZ 15354; Canada: Labrador, Hopedale, 3 August 1864, Udea inquisitinalis (Zeller); Packard (1867) indicates one sex only and no range of size.

hostipella Zeller. 1875: 338, Epehstia; PARATYPE, MCZ 14277; United States: Texas, Dallas, Boll: Eurythmia hostipella (Zeller); Lectotype in BMNH designated by Heinrich (1956: 207).

integra Zeller. 1873: 328, fig. 44, Scoptonoma; SYNTAXE (3), MCZ 16094; United States: Texas, Dallas, Boll: Lipodes integra (Zeller); Although labelled as types by Hagen, these specimens were probably not seen by Zeller, who described the species from "Ein paar in meiner Sammlung, mehrere nach Hagens Angabe im Cambridge Museum."

interrupta Zeller. 1873: 329, Scoptonoma; SYNTAXE (4), MCZ 16093; United States: Texas, Dallas, Boll; Lipodes interrupta (Zeller); As with Scoptonoma integra above, Zeller probably did not see these specimens.


leoninella Packard, 1873a: 259, Pempelia; SYNTAXE (2 of 3), MCZ 14293; United States: California, H. Edwards; Lipographis leoninella (Packard); Edwards number 706 indicates San Mateo County, pastures, May.

lentiflualis Zeller, 1872: 525. Homophysa; SYNTAXE, MCZ 14274; United States: Texas, Dallas, Boll; Aethiophysa lentiflualis (Zeller).

melanogrammos Zeller, 1872: 546, fig. 24, Tetralophia; HOLOTYPE male, MCZ 14256; United States: Texas, Dallas, Boll; Specimen illustrated by Holland and Schaus (1925: 65).

metalliferalis Packard, 1873a: 265, Calacliysta; SYNTAXE (2 of 4), MCZ 33237; United States: California, H. Edwards; Diagyromania metalliferalis (Packard); Edwards number 208 indicates San Mateo County, marshy places, May.

mustelinalis Packard, 1873a: 262, Botys; SYNTAXE (2 of 2), MCZ 14269; United States: California, H. Edwards; Mecyna mustelinalis (Packard); One specimen has Edwards number 773 indicating Angel Island, May.

occidentalis Packard. 1873a: 260, Scopula; LECTOTYPE female, MCZ 14264; United States: California, H. Edwards; Achlya occidentalis (Packard); Lectotype designated by Capps (1967: 51). Edwards number 716 indicates Point Lobos, pastures, May.

ochrifrontella Zeller. 1875: 337, Ephestia; HOLOTYPE male, MCZ 14280; United States: Texas, Dallas, Boll: Eulogia ochrifrontella (Zeller).

octonalis Zeller. 1873: 211, Orobena; HOLOTYPE male, MCZ 14273; United States: Texas, Dallas, Boll, "Lygropia" octonalis (Zeller) (needs new genus according to Munroe, pers. comm.).

ovalis Packard, 1873b: 269, Pempelia; HOLOTYPE, MCZ 14289; United States: Maine, A. S. Packard; Telethusia ovalis (Packard); Missing abdomen.

plumbicostalis Grote, 1871: 103, Botys; HOLOTYPE male, MCZ 32943; United States: Alabama, “about Demopolis”; *Lygropia plumbicostalis* (Grote); Prothorax, left forewing, and right wings only.

profundalis Packard, 1873a: 261, Botys; SYNTYPES (2 of 5), MCZ 14271; United States: California. H. Edwards; *Udea profundalis* (Packard); Edwards number 705 indicates San Mateo County, pastures, May.

reniculalis Zeller, 1872: 326, Homophusa; SYNTYPE male, MCZ 14261; United States: Texas, Dallas, Boll; *Nephragramma reniculalis* (Zeller).

zelleri Packard, 1873b: 270, Nephopteryx; LEC- TOTYPE male, MCZ 14282; United States: Massachusetts, Dorchester, F. G. Sanborn; *Peoria approximina* (Walker); Lectotype, and paralectotype also in MCZ, designated by Shaffer (1968: 30).

rubrifasciella Packard, 1873b: 267, Aerobasis; SYNTYPES (4 of 15), MCZ 14283; United States: Maine, Orono, A. S. Packard; see Neunzig (1986: 57) for discussion of identity of types.

semirubralis Packard, 1873a: 263, Botys; HOLOTYPE male, MCZ 14268; United States: California, [Sausalito, 6 May 1872]. H. Edwards, *Pyrausta semirubralis* (Packard); A second male from “S. Nevada” (Sierra Nevada Mountains of California) is also labelled “type” in Packard’s handwriting, but is probably not the holotype, since there are other specimens in the MCZ with the same data but without type labels.


sesquialteralis Zeller, 1873: 209, fig. 5, Botis; HOLOTYPE male, MCZ 32924; United States: Texas, Dallas, Boll; *Microtheoris o. opionalis* (Walker).

sirenae Zeller, 1875: 332, Oecoptera; SYNTYPES (2 of 2), MCZ 14258; United States: Texas, Dallas, Boll; *Salabrena sirenae* (Zeller).

subdivisalis Grote, 1871: 126, Desmia; HOLOTYPE [?], MCZ 14260; United States: Alabama, “about Demopolis”; Specimen consists of right wings only.

subolivalis Packard, 1873a: 261, Botys; SYNTYPES (2), MCZ 14266; United States: Maine, Brunswick, in grass uplands, and Orono, Maine, A. S. Packard, Jr.; *Pyrausta unifascialis subolivalis* (Packard).

tetradella Zeller, 1872: 552, Ancrastia; PARALEC- TOTYPES (2), MCZ 14251; United States: Texas, Dallas, Boll; *Peoria tetradella* (Zeller); Lectotype in BMNH designated by Shaffer (1968: 17).

unifascialis Packard, 1873a: 261, Botys; SYNTYPES (2 of 2), MCZ 14265; United States: California, H. Edwards; *Pyrausta unifascialis* (Packard); Klots (1942: 422) designated a lectotype and paralectotype in AMNH. However, the MCZ specimens are probably the real types, since Packard kept the other types of California Pyralidae from Edwards. Beutenmueller (1982: 196) listed one type in AMNH.

unistratellus Packard, 1867: 54, Crambus; SYNTYPE male, MCZ 22641; Canada: Labrador, Caribou Island.

vibialis Zeller, 1873: 208, fig. 4, Botis; HOLOTYPE male, MCZ 14272, United States: Texas, Dallas, Boll; *Microtheoris vibialis* (Zeller) (see Munroe, 1972: 147, about misspelling of name as *ribalis*).

Family Thyrididae

dimidiata Forbes, 1942: 345, Rhodoneura; HOLOTYPE female, MCZ 26263; Panama: Barro Colorado Island, 2-XII-1934, M. Bates; Missing abdomen.


maculata Harris 1839: 313, Thyris; SYNTYPES (4), MCZ 26346; United States: [New Hampshire, Harris no. 219]; All missing abdomens.

mesogramma Forbes, 1942: 341, Ochrothryis; HOLOTYPE male, MCZ 26265; Panama: Barro Colorado Island, 10-I-1935, A. Friedman.

SUPERFAMILY PTEROPHOROIDEA

Family Pterophoridae

cervinidae Packard, 1873a: 266, Pterophorus; HOLOTYPE, MCZ 1785; United States: California, H. Edwards; *Platyptilia pallidactyla* (Haworth); Missing right wings and abdomen.

cineraceus Fish, 1881: 73, Oidaematophorus; SYNTYPE male, MCZ 1781; United States: Washington Territory, H. K. Morrison; Barnes and Lindsey (1921: 392) consider this specimen a paratype.

grandis Fish, 1881: 141, Liopitilus; "LECTOTYPE" male, MCZ 1782; United States: California; *Oidae- matophorus grandis* (Fish); Cashatt (1972: 5) designated this specimen as lectotype, unaware of a previous lectotype designation by Klots (1942: 423) of a female in the AMNH.

laetodactylus Chambers, 1873: 72, Pterophorus; HOLOTYPE male, MCZ 1783; United States: Kentucky, Chambers; *Oidaematophorus laetodactylus* (Chambers); Missing abdomen.

paleaceus Zeller, 1873: 326, Leioptilus; SYNTYPES
pergracilidactylus Packard, 1873a: 265, Pterophorus; HOLOTYPE, MCZ 1786; United States: California, H. Edwards; Emmelina monodactyla (Linnaeus); Missing left wings and abdomen.

pumilio Zeller, 1873: 324, Mimesoptilus; HOLOTYPE male, MCZ 1788; United States: Texas, Dallas, Boll; Marasmarcha pumilio (Zeller).

semicostatus Zeller, 1873: 323, Mimesoptilus; SYNTAXES (2 of 2), MCZ 1789; United States: Texas, Dallas, Boll; Stenoptilia zophodactyla (Duponchel); One male and one female, although Zeller stated two males.

sulphureodactylus Packard, 1873a: 266, Pterophorus; SYNTAXES (6 of 8), MCZ 1784; United States: California, Siskiyou County, Goose Lake, 26–27 July, J. Holleman, Oidaematophorus sulphureodactylus (Packard).

APPENDIX
Chambers “types” in the British Museum (Natural History)

The collection of the BMNH contains specimens sent by Chambers to Stainton in the 1870s. Some of them probably are syntypes of Chambers’ species, others are not syntypes but are topotypes, and others are taxa described by other authors. The topotypes might prove useful to document Chambers’ species concepts, or as neotype candidates.

There are three lots of Chambers’ specimens now in the Stainton collection. The August 1877 shipment to Stainton was accompanied by the following letter from Chambers:

“Wishing to preserve types of species of Tineina described by me, and likewise to make some acknowledgement ... it has been my intention to send you as complete a collection of the species of this region [Covington, Kentucky] as I could make. Unfortunately during my absence in Colorado more than half the collection that I had made before I went there was destroyed, and the remainder with a small collection that I made in Colorado, was sent to the ... [MCZ]. This spring and summer I have attempted to supply a few cabinets in this country and your own. Unfortunately the continued ill-health of my son again calls me to Colorado and unwilling to risk the destruction of my collection while I am absent I distribute it — so far as I have renewed it — now. I enclose here with 67 species of Tineina and one of Tortricina.”

The specimens are listed here as identified by Chambers. We have made no attempt to verify identifications. The localities listed here are those indicated by Chambers in correspondence or on labels, and are not necessarily the type localities. The first lot, sent December 1876, includes Lithariapteryx abroniaeella Chamber “from Colorado where the larva mines the leaves of Abronia fragrans up to an altitude of about 7,000 feet above sea level” and Battrachedra praecangusta Chambers from Colorado.

The second lot, sent in January 1877, now includes 5 species, but originally included 6.

1. Lithariapteryx abroniaeella Chambers Colorado
2. Lithocolletis salicifoliella Chambers
3. Lithocolletis amphicarpeaeella Chambers Kentucky
4. Laverna magnatella Chambers = Laverna oenotheriella Chambers
5. Gracilaria [sic] salicifoliella Chambers
6. Eurynome albella Chambers Colorado [must have been damaged in transit, not at BMNH]

The largest lot was sent in August 1877. All bear Chambers’ handwritten numbers and Stainton’s name labels. The numbers not cited in the following list refer to species described by authors other than Chambers.

1. Xylesthia clemensella Chambers Kentucky
2. Tinea binaculella Chambers Kentucky
3. Tinea caemetariiella [sic] Chambers Kentucky
5. Semele cristatella Chambers Kentucky
6. Agnippe biscolorella Chambers Kentucky
7. Hyponomeuta longimacula Chambers Kentucky
8. Depressaria cupatoritella Chambers Kentucky
9. Gelechia querciella Chambers Kentucky
10. Gelechia cristatella Chambers Kentucky
11. Gelechia rubensella Chambers Kentucky
13. Helice pallidochrella Chambers Kentucky
17. Argyresthia undulatella Chambers Kentucky
18. Gracilaria packardella [sic] Chambers Kentucky
19. Corisium albanotella Chambers Kentucky
20. Gracilaria [sic] fasciella Chambers Kentucky
21. Gracilaria [sic] purpuriella Chambers Kentucky
23. Coleophora ochrella Chambers Kentucky
24. Coleophora caryaefoliella Chambers Kentucky
25. Laterna cephalanthiella Chambers Kentucky
26. Chrysopelia purpuriella Chambers Kentucky
27. Laterna? gleditschiaecella Chambers Kentucky
28. Perimede erransella Chambers Kentucky
30. Dryope murtfeldiella Chambers Kentucky
31. Tischeria quercivorella Chambers Kentucky
32. Tischeria heliopsisella Chambers Kentucky
33. Bucculatrix luteella Chambers Kentucky
35. Philonome clemensella Chambers Kentucky
36. Phyllocnistis vitifoliella Chambers Kentucky
37. Phyllocnistis ampelopsiella Chambers Kentucky
40. Leucanthiza amphicarpeaefoliella Chambers Kentucky
41. Lithocolletis clemensella Chambers Kentucky
43. Lithocolletis fusecostella Chambers Kentucky
44. Lithocolletis celtisella Chambers Kentucky
45. Lithocolletis cincinnatiella Chambers Kentucky
47. Lithocolletis ulmella Chambers Kentucky
49. Lithocolletis tiliaeella Chambers Kentucky
50. Lithocolletis ornatella Chambers Kentucky
51. Lithocolletis corylisella Chambers Kentucky
52. Lithocolletis ambrosiaecella Chambers Kentucky
53. Polyhymno sexstrigella Chambers Texas
54. Perimede unomaculella Chambers Texas
55. Elachista parvipulvella Chambers Texas
58. Ornix prunivorella Chambers Kentucky
59. Gelechia fuscoochrella Chambers Kentucky
60. Lithocolletis tritaeniaella Chambers Kentucky
61. Nepticula apicialbella Chambers Kentucky
63. Gracilaria 12-lineella Chambers Kentucky
64. Gelechia bicmaculaeella Chambers Kentucky
65. Lithocolletis corylisella Chambers Kentucky
66. Gelechia variiella [sic] Chambers Kentucky
68. Microaethia amphicarpeacana Chambers Kentucky

The correspondence also indicates a shipment in November 1872 which included 41 Chambers species. However, these specimens could not be located at the BMNH.
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Original names of all taxa cited are indexed, along with present names if the present species name differs (e.g., present names for which only the generic name differs from the original are not indexed). Family names and significant people cited in the introduction are also indexed.

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