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CHECKLIST OF WISCONSIN MOTHS
(Superfamilies Drepanoidea, Geometroidea, Mimallonioidea,
Bombycoidea, Sphingoidea and Noctuoidea)

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ABSTRACT

A total of 1209 species representing the thirteen families comprising the present checklist have been documented in Wisconsin, including 281 species of Geometridae and 732 species of Noctuidae. Distribution is summarized using the six major natural divisions of Wisconsin, and seasonal occurrence of adult specimens is reported. Examples of Wisconsin’s diverse native habitat types in each of the natural divisions have been systematically inventoried, and species associated with wetland, bog, prairie, barrens and dune habitats are listed, along with species regarded as strays and migrants.

INTRODUCTION

This list is presented to report documented occurrences in Wisconsin of moth species belonging to thirteen families, comprising an estimated one-half of the state’s total moth fauna. In addition, information on distribution and seasonal occurrence of adult specimens is summarized. This is the first comprehensive statewide list treating a large portion of Wisconsin’s moths, and reflects a considerable amount of new information from intensive systematic survey efforts over the last 25 years in the great variety of habitat types found in the state. Comparable information is lacking from all adjoining states except Michigan, for which lists were published by Moore (1955) and amended by Newman and Nielsen (1973).

Although Wisconsin’s butterflies are reasonably well-known and information, such as Ebner (1970), Kuehn (1983) and Ferge (1990) has been readily available, no comparable work has been published on the state’s moth fauna. Previous checklists including Wisconsin moths were compiled by Hoy (1883), Rauterberg (1900), Fernekes (1906) and Muttkowski (1907). Hoy’s list was restricted to Racine County, the others to Milwaukee County. Records from these sources are not included in this list because of doubtful identifications and lack of verifiable voucher specimens. Covell (1970) compiled records of 222 Geometridae species based on his examination of specimens representing at least 30 counties.

Curtis (1959) indicates that floristic elements of the eastern deciduous forest region, the boreal region and the prairie region meet and intermingle in the state. The great diversity of habitats found in Wisconsin is a reflection of the state’s geographic position, glacial deposits and topography. Hole and Germain (1994) have delineated six major natural divisions of Wisconsin, based on characteristics of geology, soils and vegetation. These are described below and their location indicated Figure 1.

(1) Lake Superior Lowland: A level to undulating glaciated plain formerly dominated by boreal forest of white spruce, balsam fir, white cedar, aspen and paper birch, but presently second growth forest similar to much of northern Wisconsin, with several coastal peat bog and wetland areas. Limited sand dunes occur along the Lake Superior shore and on some of the Apostle Islands.

(2) Northern Highland: A rolling, glaciated plain with mixed deciduous and coniferous forest. Maple, aspen, red pine and white pine are the major tree species. The region contains an abundance of lakes, extensive conifer swamps and peat bogs, and limited areas of pine barrens on dry, sandy soils.
(3) Lake Michigan Shoreland: A level to rolling glaciated region with forests composed of sugar maple, basswood, elm, hemlock and beech at its western limit, with interspersed wetland communities. Several sand dune areas occur along the Lake Michigan shore.

(4) Central Plains: A nearly level sand plain on a former glacial lake bottom, on which the original open jack pine barrens and oak savanna have largely succeeded to closed forests. This is a rich transitional area, with a mixture of western prairie and northern forest elements. Extensive wetlands, ranging from sedge meadows to tamarack bogs, occur on peat and muck soils in low-lying areas. Although not indicated on the map in Figure 1, the area centered in western Burnett County is closely similar to the Central Plains. The great majority of moth species solely recorded from the Central Plains also occur in western Burnett County.

(5) Southeastern Ridges and Lowlands: A glaciated region of ridges, lowlands and moraines, now largely utilized for farmland, with forested areas containing maple, basswood, ash, elm and oak. Many wetland types are present, including sedge meadows and relic bogs. Limited prairie remnants also occur.

(6) Southwestern Upland: A hilly, unglaciated region also known as the Driftless Area, dissected by river valleys. Once extensive areas of prairie and oak savanna are now farmland, with prairie remnants found mostly on steep, rocky sites and on sand plains along the Wisconsin River. The forested areas are composed of oak, hickory, basswood, maple, elm and walnut. Large areas of wet riverbottom forest occur along the lower Wisconsin and Mississippi River Valleys.

MATERIALS AND METHODS

This list is based almost entirely on adult moth specimens collected or examined by the authors. A small number of uncorroborated or questionable records from the literature are briefly discussed at the end of the list. In addition to specimens retained by the authors, specimens were examined in collections at the Milwaukee Public Museum, the University of Wisconsin-Madison, the University of Wisconsin-Oshkosh, the Field Museum of Natural History, Chicago, the Natural History Museum of Los Angeles County, the American Museum of Natural History, New York, and the United States National Museum of Natural History, Washington, D.C. Records were obtained from several private collections. Specimen label data are being compiled and stored electronically using a Microsoft Access database.

Moth specimens collected by the authors were taken primarily at light, relying on a 15-watt blacklight illuminating a sheet, or small battery-operated 15-watt funnel-type blacklight traps. The traps were indispensable for surveying remote or inhospitable areas. Their portability allowed access to almost any site, resulting in many new moth records that could not have been obtained otherwise. Where site conditions allowed, baiting with a mixture of brown sugar and beer, or netting of moths at flowers was done.

Selected examples of Wisconsin’s native habitat types in each of the natural divisions have been systematically inventoried. Most of Wisconsin’s moth species have one or two adult flights per year, and many are highly seasonal in occurrence, with adults present only 2-3 weeks of the year. Most moth species inhabiting a given locality can be accounted for by sampling at two-week intervals from April-May through early October. Due to the inhibitory effect of bright moonlight on nighttime moth collecting using light, it is preferable to conduct inventories over a minimum of two consecutive years, scheduling site visits once a month, coinciding as
Fig. 1. Natural Divisions of Wisconsin from Hole and Germain (1994).
nearly as practical with the new moon. During the second year, the monthly sampling is scheduled to fill in between the previous dates, which again coincide favorably with the lunar cycle.

RESULTS

A total of 1209 species representing the thirteen families comprising the present checklist has been documented in Wisconsin, including 281 species of Geometridae and 732 species of Noctuidae. The nomenclature and arrangement of the species is generally based on Hodges (1983), with some exceptions. Changes in various names reflect subsequent taxonomic revisions appearing in McGuffin (1977), McCabe (1980), Rindge (1985a) and (1985b), Lafontaine (1987), Covell (1989), Kononenko, Lafontaine and Mikkola (1989), Poole (1989), Bolte (1990), Ferguson, Hilburn and Wright (1991), Lafontaine and Poole (1991), Ferguson (1993), Troubridge and Fitzpatrick (1993), Hardwick (1996), Tuskes, Tuttle and Collins (1996), Crabo and Lafontaine (1997), Handfield, Landry, Landry and Lafontaine (1997), Lafontaine (1998) and Scoble et al. (1999). The Hodges checklist number appears before each species name. In some instances, generic revisions required changes in checklist numbers due to regrouping of species to maintain systematic order. Where these changes have been made, the former checklist number is indicated after the species name. For the Noctuidae, many of these modifications follow Rings et al. (1992) and Grehan et al. (1995).

The range of each species is summarized by indicating its occurrence within Wisconsin’s six natural divisions, as shown in Figure 1. Hole and Germain (1994) indicate that boundaries between natural divisions are necessarily approximations. Plant community, geologic and soil boundaries are not sharp, but form a gradient from one type to another. There are some instances where ranges of moth species extend into bordering counties of adjacent divisions, creating the impression that a species is more widespread than it actually is. However, the ranges of the great majority of species correlate well with the divisions. The often lengthy flight periods indicated for some species are due to multiple broods, early or late seasons, and delayed flights farther north in the state or in close proximity to the Great Lakes.

THYATIRIDAE

Thyatirinae

HABROSYNE Hübner, 1821

6235 scripta (Gosse, 1840). Divisions 1, 2, 5, late May-June
6236 gloriosa (Guenée, 1852). Statewide, mid June-mid August

PSEUDOTHYATIRA Grote, 1865

6237 cymatophoroides (Guenée, 1852). Statewide, mid June-early August

EUTHYATIRA Grote, 1865

6240 pudens (Guenée, 1852). Statewide, mid April-mid May

DREPANIDAE

Drepaninae

DREPANA Schrank, 1802

6251 arcuata Walker, 1855. Statewide, May-mid August
6252 bilineata (Packard, 1864). Statewide, late May-mid August

EUDERILINIA Packard, 1876

6253 herminiata (Guenée, 1857). Divisions 4, 5, 6, June-July
ORETINAe

ORETA Walker, 1855
6255 rosea (Walker, 1855). Statewide, July-August

GEOMETRIDAE

ARCHIEARINAE

ARCHIEARIS Hübner, 1823
6256 infans (Möscher, 1862). Statewide, late March-early May

ALSOPHILINAE

ALSOPHILA Hübner, 1825
6258 pometaria (Harris, 1841). Statewide, late October-mid November

ENNOMINAE

HELIOOMATA Grote & Robinson, 1866
6261 cycladata Grote & Robinson, 1866. Statewide, mid May-early July

PROTITAME McDunnough, 1939
6270 virginalis (Hulst, 1900). Divisions 2, 3, 4, 5, 6, late May-late August

MELLILLA Grote, 1873
6271.1 xanthometata (Walker, 1862). [formerly 6322] Division 6, early June-early July

EUMACARIA Packard, 1873
6272 latiferrugata (Walker, 1863). Statewide, mid May-late August

MACARIA Curtis, 1826
6273 pustularia (Guenée, 1858). Statewide, early June-early September
6274 ribearia (Fitch, 1848). Statewide, late May-July
6275 evagaria (Hulst, 1900). Statewide, late May-late August
6276 occiduaria (Packard, 1874). Division 2, late June-late July
6280a andersoni orientis (Ferguson, 1953). Divisions 1, 2, 4, mid June-mid August
6282 argillacearia (Packard, 1874). Divisions 2, 3, 4, early June-August
6283 sulfurea (Packard, 1873). Divisions 1, 2, 3, 4, 5, 6, mid June-late September
6284 ambloflava (Ferguson, 1953). Division 6, early July
6286 brunneata (Thunberg, 1874). Divisions 1, 2, 3, 4, June-August
6287 anataria (Swett, 1913). Division 2, early July
6290 loricaria julia (Hulst, 1896). Divisions 2, 4, 5, June-mid July
6292 exauspicata Walker, 1861. Divisions 2, 4, 5, 6, mid June-late August
6294 abruptata (Walker, 1862). Divisions 4, 6, mid June-late July
6299 coortaria enigmata (Barnes & McDunnough, 1917). Divisions 3, 5, 6, early June-late August
6303 subcessaria (Walker, 1861). Statewide, mid June-mid August
6304 bitactata (Walker, 1862). Divisions 2, 5, early June-late August
6321 truncataria (Walker, 1862). Divisions 1, 2, 3, 4, 5, early May-early July
6326 aemulataria Walker, 1861. Statewide, late May-August
6330 ulsterata (Pearsall, 1913). Divisions 1, 2, 3, 4, late May-August
6331 promiscuata (Ferguson, 1974). Division 5, mid June
6332 punctolineata Packard, 1873. Divisions 3, 5, late September-early October
6339 transitaria Walker, 1861. Divisions 2, 4, 5, 6, early June-late August
6340 minorata Packard, 1873. Statewide, late May-late August
6341.1 n. sp. Ferguson (near bicolorata (Fabricius, 1798)). Statewide, early June-mid September
6342 bisignata Walker, 1866. Statewide, mid May-mid September
6343 sexmaculata Packard, 1867. Statewide, mid May-late August
6344a signaria dispuncta Walker, 1860. Divisions 1, 2, 3, 4, 5, late May-July
6347 pinistrobata Ferguson, 1972. Divisions 1, 2, 3, 4, 5, late May-mid September
6348 fissinotata (Walker, 1863). Division 2, early June-early August
6349 marmorata (Ferguson, 1972). Divisions 1, 2, 3, 5, late May-mid August
6350 submarmorata Walker, 1861. Divisions 2, 3, 4, 5, June-early August
6351 oweni (Swett, 1907). Statewide, late May-mid August
6353 multilineata Packard, 1873. Divisions 4, 6, mid May-August

DIGRAMMIA Gumppenberg, 1887
6357 eremiata (Gueneé, 1858). Divisions 4, 6, early May-late July
6358 ordinata (Walker, 1862). [maculifascia Hulst, 1896 is a synonym (Scoble et al. 1999)]. Divisions 5, 6, late May-late August
6362 denticulata (Grote, 1883). Statewide, June-late August
6386 ocellinata (Gueneé, 1858). Divisions 3, 4, 5, 6, late May-September
6396 neptaria trifasciata (Packard, 1874). Divisions 2, 3, late May-early August
6397 mellistrigata (Grote, 1873). Divisions 2, 3, 4, 5, mid May-late August
6399 subminiata (Packard, 1874). Divisions 4, 5, 6, late May-early September
6405 gnophosaria (Gueneé, 1858). Statewide, early May-mid September
6410 pallidata (Packard, 1873). Division 6, May-mid July

ISTURGIA Hübner, 1823
6419 distocaria (Packard, 1876). Divisions 4, 5, 6, mid May-late June

ORTHOFIDONIA Packard, 1876
6428 tintaria (Walker, 1860). Divisions 2, 6, early May-mid June
6429 exornata (Walker, 1862). Division 2, early May-mid June
6430 flavivenata (Hulst, 1898). Divisions 2, 4, early May-early June

HESPERUMIA Packard, 1873
6431 sulphuraria Packard, 1873. Divisions 2, 4, 5, late June-early August

EMATURGA Lederer, 1853
6436 amitaria (Gueneé, 1858). Divisions 2, 4, 5, 6, late May-early August

HYPOMECIS Hübner, 1821
6439 umbrosaria (Hübner, 1813). Divisions 4, 6, June

GLENA Hulst, 1896
6449 cibrataria (Gueneé, 1858). Divisions 2, 3, June

STENOPORPIA McDunnough, 1920
6450 polygrammaria (Packard, 1876). Divisions 2, 4, 6, June

TORNOS Morrison, 1875
6486 scolopacinaria (Gueneé, 1858). Divisions 5, 6, early May-late July

AETHALURA McDunnough, 1920
6570 intertexta (Walker, 1860). Divisions 1, 2, 3, 4, mid April-early August

IRIDOPSIS Warren, 1894
6582 vellivolata (Hulst, 1881). Divisions 2, 3, 4, 6, late April-mid June
6583 ephyraia (Walker, 1860). Statewide, early June-late August
6584 hamaria (Gueneé, 1858). Divisions 1, 2, 4, 5, late April-late August
6588 larvaria (Gueneé, 1858). Statewide, late May-mid August

ANAVITRINELLA McDunnough, 1922
6590 *pampinaria* (Guèneé, 1858). Statewide, early May-August

**CLEORA** Curtis, 1825
6594 *sublunaria* (Guèneé, 1858). Division 6, May
6595 *projecta* (Walker, 1860). Divisions 2, 4, May-early July

**ECTROPIS** Hübner, 1825
6597 *crepuscularia* (Denis & Schiffermüller, 1775). Statewide, mid April-early September

**HYPAGYRTIS** Hübner, 1818
6597.1 *unipunctata* (Haworth, 1809). [formerly 6654] Statewide, late May-late August
6597.3 *piniata* (Packard, 1870). [formerly 6656] Divisions 1, 2, 3, 4, June-mid August

**PROTOBOARMIA** McDunnough, 1920
6598 *porcelaria indicataria* (Walker, 1860). Statewide, late May-late August

**EPIMECIS** Hübner, 1825
6599 *hortaria* (Fabricius, 1794). Division 5, early July

**MELANOLOPHIA** Hulst, 1896
6620 *canadaria* (Guèneé, 1858). Statewide, late April-mid August
6621 *signataria* (Walker, 1860). Statewide, late April-early July

**EUPIDONIA** Packard, 1876
6637 *convergaria* (Walker, 1860). Divisions 1, 2, 3, 4, 5, mid May-mid July
6639 *discospilata* (Walker, 1862). Divisions 1, 2, 3, 4, 5, late May-early July

**BISTON** Leach, 1815
6640a *betularia cognataria* (Guèneé, 1858). Statewide, mid May-September

**LYCIA** Hübner, 1825
6651 *ursaria* (Walker, 1860). Divisions 2, 3, 4, 5, 6, early April-late May

**PHIGALIA** Duponchel, 1829
6658 *titea* (Cramer, 1780). Statewide, late March-late May
6660 *sirigataria* (Minot, 1869). Statewide, mid March-May

**PALEACRITA** Riley, 1876
6662 *vernata* (Peck, 1795). Statewide, early March-early May
6663 *merricata* Dyar, 1903. Divisions 4, 6, late March-late April

**ERANNIS** Hübner, 1825
6665 *tiliaria* (Harris, 1841). Statewide, late September-early November

**LOMOGRAPHA** Hübner, 1825
6666 *semiclarata* (Walker, 1866). Divisions 2, 3, 4, 5, early May-early July
6667 *vestaliata* (Guèneé, 1858). Statewide, May-early July
6668 *glomeraria* (Grote, 1881). Statewide, mid April-early June

**CABERA** Treitschke, 1825
6677 *erythemaria* Guèneé, 1858. Statewide, late May-early October
6678 *variolaria* Guèneé, 1858. Statewide, mid May-early September
6680 *quadrafasciaria* (Packard, 1873). Divisions 3, 4, 5, 6, June

**APODREPANULATRIX** Rindge, 1949
6693 *liberaria* (Walker, 1860). Divisions 4, 5, late August-early September

**ERASTRIA** Hübner, 1813
6704 *coloraria* (Fabricius, 1798). Divisions 3, 4, 5, 6, late April-mid July

**LYTROSIS** Hulst, 1896
6720 *unitaria* (Herrich-Schäffer, 1854). Statewide, June-July
EUCHLAENA Hübner, 1823
6724 serrata (Drury, 1773). Statewide, June-mid August
6726 obtusaria (Hübner, 1813). Statewide, June-August
6728 effecta (Walker, 1860). Statewide, late June-late July
6729 johnsonaria (Fitch, 1870). Statewide, early June-late August
6731 madusaria (Walker, 1860). Divisions 2, 4, 6, June-mid August
6734 marginaria (Minot, 1869). Divisions 1, 2, 4, 5, mid May-early July
6737 tigrinaria (Guèneé, 1858). Statewide, early June-mid July
6738 milnei McDunnough, 1945. Division 6, late June-early July
6739 irraria Barnes & McDunnough, 1916. Statewide, early June-early July

XANTHOTYPE Warren, 1894
6740 urticaria Swett, 1918. Statewide, late May-early September
6743 sospeta (Drury, 1773). Statewide, early June-August

PERO Herrich-Schäffer, 1855
6753 honestaria (Walker, 1860). Statewide, late April-August
6754 ancetaria (Hübner, 1806). Statewide, May-August
6755 morrisonaria (Hy. Edwards, 1881). Statewide, late May-late July

PHAEOURA Hulst, 1896
6763 quernaria (J. E. Smith, 1797). Statewide, mid May-mid August

CAMPAEA Lamarck, 1816
6796 perlata (Guèneé, 1858). Statewide, late May-Sepember

ENNOMOS Treitschke, 1825
6797 magna ria Guèneé, 1858. Statewide, August-early November
6798 subsignaria (Hübner, 1823). Statewide, late June-early September

SPODOLEPS Hulst, 1896
6799 substriataria Hulst, 1896. Divisions 2, 4, late April-late May

PETROPHORA Hübner, 1811
6804 subaequaria (Walker, 1860). Statewide, May-early August

TACPARIA Walker, 1860
6806 atropunctata (Packard, 1874). Divisions 1, 2, mid May-mid June
6807 detersata (Guèneé, 1858). Statewide, mid May-mid July

HOMOCHLODES Hulst, 1896
6812 fritillaria (Guèneé, 1858). Statewide, mid May-late July

GUENERIA Packard, 1876
6815 similaria (Walker, 1860). Divisions 2, 5, mid June-mid July

SELENA Hübner, 1823
6817 alciphearia Walker, 1860. Divisions 1, 2, early May-late June
6818 kentaria (Grote & Robinson, 1867). Divisions 1, 2, 6, May-late July

METANEMA Guèneé, 1858
6819 inatomaria Guèneé, 1858. Statewide, mid May-mid August
6820 determinata Walker, 1866. Divisions 1, 2, 3, 4, 5, late May-mid August

METARRANTHIS Warren, 1894
6821 warneri (Harvey, 1874). Divisions 2, 3, 4, late May-late June
6822 dusaria (Guèneé, 1858). Statewide, early May-late June
6823 angularia Barnes & McDunnough, 1917. Divisions 2, 4, 5, 6, late May-early July
6824 amyrisaria (Walker, 1860). Divisions 2, 4, 5, late May-early July
6825 indeclinata (Walker, 1861). Divisions 2, 4, 5, late May-late June
6826 *hypochraria* (Herrich-Schäffer, 1854). Statewide, mid April-early August
6827 *refractaria* (Guèneé, 1858). Divisions 1, 2, 3, 4, 5, June
6832 *obfirmaria* (Hübner, 1823). Division 5, late June

**CEPPHIS** Hübner, 1823
6835 *armataria* (Herrich-Schäffer, 1855). Divisions 2, 3, 4, 5, 6, late April-late August

**PROBOLE** Herrich-Schäffer, 1855
6837 *alienaria* Herrich-Schäffer, 1855. Statewide, mid May-late July
6839.1 *nyssaria* (Guèneé, 1858). Statewide, early May-early August

**PLAGODIS** Hübner, 1823
6840 *serinaria* (Herrich-Schäffer, 1855). Statewide, mid May-early July
6841 *kuetzingi* (Grote, 1876). Divisions 2, 3, 5, 6, early June-mid July
6842 *phlogosaria* (Guèneé, 1858). Statewide, May-early August
6843 *fervidaria* (Herrich-Schäffer, 1855). Statewide, early May-August
6844 *alcoolaria* (Guèneé, 1858). Statewide, late May-late August
6844.1 *pulveraria occiduaria* (Walker, 1861). [formerly 6836] Statewide, mid May-early August

**CARIPETA** Walker, 1863
6863 *divisata* Walker, 1863. Divisions 1, 2, 3, 5, late June-early August
6864 *piniata* (Packard, 1870). Divisions 1, 2, 3, 4, 5, late May-early August
6867 *angustiorata* Walker, 1863. Divisions 1, 2, 3, 4, early June-mid August

**BESMA** Capps, 1943
6884 *endropiaria* (Grote & Robinson, 1867). Statewide, June-mid July
6885 *quericivora* (Guèneé, 1858). Statewide, early May-August

**LAMBDINA** Capps, 1943
6888 *fiscellaria* (Guèneé, 1858). Statewide, late August-early October
6894a *fervidaria athasararia* (Walker, 1860). Statewide, mid May-early July

**CINGILIA** Walker, 1862
6898 *catenaria* (Drury, 1773). Statewide, early August-early October

**NEPTIIA** Hulst, 1896
6906 *canosaria* (Walker, 1863). Statewide, mid July-early October
6909 *pellucivora* (Packard, 1873). Divisions 1, 2, 3, 4, 5, September-early October

**SICYA** Guèneé, 1858
6912 *macularia* (Harris, 1850). Statewide, early June-late August

**EUSARCA** Hübner, 1813
6941 *confusaria* Hübner, 1813. Statewide, June-late August

**TETRACIS** Guèneé, 1858
6963 *crocallata* Guèneé, 1858. Statewide, late May-July
6964 *cachexiata* Guèneé, 1858. Statewide, late April-July

**EUGONOBAPTA** Warren, 1894
6965 *nivosaria* (Guèneé, 1858). Statewide, June-early August

**EUTRAPELA** Hübner, 1809
6966 *clemataria* (J. E. Smith, 1797). Statewide, late April-mid June

**PATALENE** Herrich-Schäffer, 1854
6974a *olyzonaria puber* (Grote & Robinson, 1867). Division 6, early August

**PROCHOERODES** Grote, 1883
6982 *lineola* (Goeze, 1781). Statewide, late June-early October

**ANTEPIONE** Packard, 1876
6987 *thisoaria* (Gueneé, 1858). Divisions 2, 4, 5, 6, late May-late July

**NEMATOCAMPA** Gueneé, 1858

7009 *resistaria* (Herrick-Schäffer, 1856). Statewide, early June-late September

**Geometrinae**

**NEMORIA** Hübner, 1818

7046a *bistriaria siccifolia* (Fitch, 1857). Division 6, late June

7047 *rubrifrontaria* (Packard, 1873). Divisions 2, 5, 6, late May-June

7048 *mimosaria* (Gueneé, 1858). Statewide, early May-late August

**DICHORDA** Warren, 1900

7053 *iridaria* (Gueneé, 1858). Divisions 3, 5, 6, June-late July

**SYNCHLORA** Gueneé, 1858

7058 *aerata aerata* (Fabricius, 1798). Divisions 3, 4, 5, 6, late May-August

7058a *aerata albolineata* Packard, 1873. Division 1, 2, 4, late June-late August

**CHLOROCHLAMYDS** Hulst, 1896

7071 *chloroleucaria* (Gueneé, 1858). Statewide, mid May-early September

**HETHEMIA** Ferguson, 1969

7084 *pistasciaria* (Gueneé, 1858). Divisions 2, 3, 4, 5, mid May-early July

**MESOTHEA** Warren, 1901

7085 *incerta* (Walker, 1863). Divisions 2, 4, early May-early June

**Stereinae**

**LOBOCLETA** Warren, 1906

7094 *ossularia* (Geyer, 1837). Division 5, late August

7097 *plemyraria* (Gueneé, 1858). Divisions 3, 4, 5, 6, May-July

**IDAEA** Treitschke, 1825

7102 *bonifata* (Hulst, 1887).

7114 *demissaria* (Hübner, 1831). Statewide, late May-mid August

7120 *violacearia* (Walker, 1861). Division 6, late June

7125 *rotundopennata* (Packard, 1876). Division 2, late May-late June

**PLEUROPRUCHA** Möschler, 1890

7132 *insulsaria* (Gueneé, 1858). Statewide, June-mid October

**CYCLOPHORA** Hübner, 1822

7136 *packardi* (Prout, 1936). Divisions 2, 4, 5, 6, early June-mid September

7139 *pendulinaria* (Gueneé, 1858). Statewide, late May-mid September

7140 *nanaria* (Walker, 1861). Divisions 3, 4, 5, late August-early October

**HAEMATOPSIS** Hübner, 1823

7146 *grataria* (Fabricius, 1798). Statewide, late May-early October

**TIMANDRA** Duponchel, 1829

7147 *amaturaria* Walker, 1866. Divisions 2, 5, mid June-mid September

**SCOPULA** Schrank, 1802

7157 *cacuminaria* (Morrison, 1874). Statewide, mid June-early September

7159 *limboundata* (Haworth, 1809). Statewide, early June-early September

7162 *ancellata* (Hulst, 1887). Statewide, June-August

7164 *junctaria* (Walker, 1861). Divisions 2, 3, early May-late July

7165 *quadrimelineata* (Packard, 1876). Division 5, early June

7166 *frigidaria* (Möschler, 1860). Division 2, early July

7169 *inductata* (Gueneé, 1858). Statewide, early May-mid September

**LEPTOSTALES** Möschler, 1890

7179 *rubromarginaria* (Packard, 1871). Division 2, late May
**Larentiinae**

**DYSSTROMA** Hübner, 1825

7182  *citrata* (Linnaeus, 1761). Divisions 1, 2, 3, 4, early June-August

7187a  *truncata traversata* (Kellidcott, 1886). Division 2, early July

7188  *walkerata* (Pearsall, 1909). Divisions 2, 3, late May-early July

7189  *hersiliata* (Guenée, 1858). Statewide, mid May-late August

**EULITHIS** Hübner, 1821

7196  *diversilineata* (Hübner, 1813). Statewide, late June-mid September

7197  *gracilineata* (Guenée, 1858). Statewide, early June-mid September

7199  *propulsata* (Walker, 1862). Divisions 1, 2, 3, early July-late August

7201  *testata* (Linnaeus, 1761). Divisions 1, 2, 3, 4, 5, mid August-early November

7203  *molliculata* (Walker, 1862). Divisions 3, 4, 5, 6, mid June-late August

7205  *flavibrunnneata* (McDunnough, 1943). Divisions 2, 3, 4, 5, early July-mid August

7206  *explanata* (Walker, 1862). Statewide, late June-August

7208  *serrataria* (Barnes & McDunnough, 1917). Divisions 1, 2, 3, July-August

**EUSTROMA** Hübner, 1825

7210  *semiatrata* (Hulst, 1881). Division 2, early June-early August

**ECLIPTOPERA** Warren, 1894

7213  *silaceata albolineata* (Packard, 1873). Division 2, mid June-mid September

**PLEMYRIA** Hübner, 1825

7216  *georgii* Hulst, 1896. Divisions 1, 2, 3, late July-late August

**THERA** Stephens, 1831

7217  *juniperata* (Linnaeus, 1758). Division 3, early October

7218  *contractata* (Packard, 1873). Divisions 1, 3, mid July-mid September

**HYDRIOMENA** Hübner, 1825

7229  *perfracta* Swett, 1910. Divisions 1, 2, 3, early May-early July

7235  *divisaria* (Walker, 1860). Division 2, early May-mid June

7236  *renunciata* (Walker, 1862). Divisions 1, 2, 3, 4, 5, early May-early August

7237a  *transfigurata manitoba* Barnes & McDunnough, 1917. Statewide, late April-May

7254  *rubera* (Freyer, 1831). Divisions 2, 3, 4, 5, early May-early July

**TRIPHOSA** Stephens, 1829

7285a  *haesitata affirmaria* (Walker, 1860). Divisions 2, 3, 5, late April-early May

**CORYPHISTA** Hulst, 1896

7290  *meadii* (Packard, 1874). Statewide, May-late October

**RHEUMAPTERA** Warren, 1822

7291  *undulata* (Linnaeus, 1758). Division 2, late June-late July

7292  *prunivorata* (Fergusson, 1955). Statewide, late May-September

7293a  *hastata gothicata* (Guenée, 1858). Divisions 2, 3, 4, 5, early May-early July

7294  *subhastata* (Nolcken, 1870). Division 2, June

**MESOLEUCA** Hübner, 1825

7307  *ruficillata* (Guenée, 1858). Statewide, late May-August

**SPARGANIA** Guenée, 1858

7312  *magnoliata* Guenée, 1858. Divisions 2, 3, mid June-September

7313  *luctuata obductata* (Möschler, 1860). Division 2, mid August

**PERIZOMA** Hübner, 1825

7316  *basaliata* (Walker, 1862). Divisions 2, 3, 4, 6, late June-August
ANTICLEA Stephens, 1831

7329  *vasiliata* Guenée, 1858. Divisions 1, 2, 3, 4, 5, early April-early June
7330  *multiferata* (Walker, 1863). Divisions 2, 3, 4, 5, late May-early June

STAMNODES Guenée, 1858

7333  *gibbicostata* (Walker, 1862). Divisions 2, 4, 5, late August-mid September

XANTHORHOE Hübn. 1825

7368  *labradora* (Packard, 1867). Divisions 2, 3, 4, 5, late May-early September
7369  *packardata* McDunnough, 1945. Divisions 2, 3, 5, late July-early August
7370  *abrasaria congregata* (Walker, 1862). Divisions 1, 2, 5, late June-late August
7371  *iduata* (Guenée, 1858). Divisions 2, 4, late June-July
7384  *decoloraria* (Esper, 1806). Divisions 1, 2, July
7388  *ferrugata* (Clerck, 1759). Statewide, early May-early September
7390  *lacustrata* (Guenée, 1858). Divisions 1, 2, 4, 5, late April-early September
7391  *dentinina* Barnes & McDunnough, 1913. Division 2, mid August

EPIRROHE Hübn. 1825

7394  *alternata* (Muller, 1764). Divisions 2, 3, 5, 6, late May-late August

EUPHYIA Hübn., 1825

7399a  *intermedia* (Guenée, 1858). Statewide, mid May-mid October

ORTHONAMA Hübn. 1825

7414  *obstipata* (Fabricius, 1794). Statewide, late April-November
7415  *evansi* McDunnough, 1920. Divisions 4, 5, late June-August

COSTaconvexa Agenjo, 1949

7416  *centrostigaria* (Wollaston, 1858). Statewide, late April-early November

HYDRELIA Hübn. 1825

7419  *lucata* (Guenée, 1858). Divisions 2, 3, 5, 6, late May-mid August
7420  *condensata* (Walker, 1862). Divisions 2, 5, late May-early July
7423  *albifera* (Walker, 1866). Statewide, late May-mid August

VENUSIA Curtis, 1839

7428  *comptaria* (Walker, 1860). Divisions 2, 4, 5, 6, late April-late May

TRICHODEZIA Warren, 1895

7430  *albovittata* (Guenée, 1858). Statewide, early May-August

EPIRRTA Hübn., 1822

7433a  *autumnata henshawi* (Swett, 1917). Statewide, late September-late October

OPEROPHTERA Hübn. 1825

7437a  *bruceata* (Hulst, 1886). Statewide, mid October-mid November

EUBAPHE Hübn. 1823

7440  *mendica* (Walker, 1854). Statewide, late May-August

HORISME Hübn. 1825

7445  *intestinata* (Guenée, 1858). Statewide, early May-late August

EUPITHECIA Curtis, 1825

7449  *palpata* Packard, 1873. Divisions 2, 3, 4, 5, late May-mid August
7450  *columbiata* (Dyar, 1904). Divisions 2, 4, 5, 6, late April-early June
7474  *miserulata* Grote, 1863. Statewide, early May-late October
7476  *misturata* (Hulst, 1896). Divisions 2, 3, late May-mid August
7481  *coloradensis* (Hulst, 1896). Division 2, early June
7483  *regina* Taylor, 1906. Division 4, early June
7485  *borealis* (Hulst, 1898). Division 2, early June
7487  *subfuscata* (Haworth, 1809). Divisions 1, 2, 3, late May-mid July
lariciata (Freyer, 1841). Division 2, late May-early June
fletcherata Taylor, 1907. Divisions 1, 5, early May-mid August
casloata (Dyar, 1904). Division 1, late June
affinata Pearsall, 1908. Divisions 3, 6, late August-early September
matheri Rindge, 1985. Divisions 2, 4, 6, late April
intricata taylorata Swett, 1907. Divisions 3, 4, 5, late May-early July
nimbicolor (Hulst, 1896). Divisions 1, 2, late May-early June
stratonata Packard, 1873. Division 2, 4, late May-early June
cimicifugata Pearsall, 1908. Divisions 3, 5, early June-mid July
rusceliata Swett, 1908. Divisions 2, 4, 6, late May-early July
ammonata McDunnough, 1929. Division 2, late May
assimiliata Doubleday, 1856. Divisions 2, 3, 5, 6, mid June-mid August
absinthiata (Clerck, 1759). Divisions 2, 3, 5, 6, late July-August
swettii Grossbeck, 1907. Divisions 2, 4, 5, 6, mid April-late May
perfusca (Hulst, 1898). Divisions 1, 2, 3, early June-late July
annulata (Hulst, 1896). Division 2, late April-mid May
interruptofasciata Packard, 1873. Divisions 3, 4, 5, early August-early October
bowmani Cassino & Swett, 1923. Division 2, early June
mutata Pearsall, 1908. Division 5, mid July
anticaria Walker, 1862. Divisions 3, 4, 5, May-mid June
ravocostaliata Packard, 1876. Statewide, late April-late May

ACASIS Duponchel, 1845
viridata (Packard, 1873). Divisions 2, 3, 5, late April-late August

CLADARA Hulst, 1896
limitaria (Walker, 1860). Statewide, late April-late June
atroliturata (Walker, 1863). Divisions 2, 4, 6, early April-late May

LOBOPHORA Curtis, 1825
nivigerata Walker, 1862. Statewide, late April-mid August

HETEROPHLEPS Herrich-Schäffer, 1854
refisaria (Walker, 1861). Divisions 2, 5, 6, late May-early July
triguttaria Herrich-Schäffer, 1854. Statewide, late May-late July

DYSPTERIS Hübner, 1818
abortivaria (Herrich-Schäffer, 1855). Divisions 3, 4, 5, 6, early May-early September

EPIPLEMIDAE
CALLEZZIA Packard, 1876
amorata Packard, 1864. Division 2, early July

CALLEDAPTERYX Grote, 1868
dryopterata Grote, 1868. Divisions 3, 5, 6, mid June-mid July

MIMALLONIDAE
LACOSOMA Grote, 1864
chiridota Grote, 1864. Divisions 5, 6, late June
CICINNUS Blanchard, 1852
melsheimeri (Harris, 1841). Divisions 4, 5, 6, late May-mid June
APATELOIDAE
APATELODES Packard, 1864
7663 torrefacta (J. E. Smith, 1797). Divisions 5, 6, June-mid July

OLCECLOSTERA Butler, 1878
7665 angelica (Grote, 1864). Divisions 2, 5, 6, late June-late July

LASIOCAMPIDAE
Macromphaliinae
TOLYPE Hübner, 1820
7670 velleda (Stoll, 1791). Statewide, late August-September
7673 laricis (Fitch, 1856). Divisions 1, 2, 3, 4, late August-September

Gastropachiniae
HETEROPACHA Harvey, 1874
7685 rileyana Harvey, 1874. Division 6, mid May-mid August

PHYLLODESMA Hübner, 1820
7687 americana (Harris, 1841). Statewide, mid May-July

Lasiocampinae
MALACOSOMA Hubner, 1820
7698 distria Hübner, 1820. Statewide, late June-July
7701 americanum (Fabricius, 1793). Statewide, late June- mid July

SATURNIIDAE
Citheroniinae
EACLES Hübner, 1819
7704 imperialis (Drury, 1773). Divisions 5, 6, July

SPHINGICAMPA Walsh, 1864
7709 bicolor (Harris, 1841). Division 6, May, July
7712 bisecta (Lintner, 1879). Division 5. Type locality is Racine, Wisconsin.

DRYOCAMPA Harris, 1833
7715 rubicunda (Fabricius, 1793). Statewide, late May-June

ANISOTA Hübner, 1820
7716 stigma (Fabricius, 1775). Divisions 2, 5, mid June-mid July
7719 senatoria (J. E. Smith, 1797). Divisions 2, 4, 5, mid June-late July
7723 virginiensis (Drury, 1773). Divisions 2, 4, 5, 6, late May-mid June

Hemileuciniae
HEMILEUCA Walker, 1855
7730 maia (Drury, 1773) complex. Divisions 2, 4, 5, late September-early October

AUTOMERIS Hübner, 1819
7746 io (Fabricius, 1775). Statewide, late May-June

Saturniinae
ANTHERAEA Hübner, 1819
7757 polyphemus (Cramer, 1776). Statewide, late May-June

ACTIAS Leach, 1815
7758 luna (Linnaeus, 1758). Statewide, mid May-June

CALLOSAMIA Packard, 1864
7764 promethea (Drury, 1773). Statewide, June

HYALOPHORA Duncan, 1841
7767 cecropia (Linnaeus, 1758). Statewide, late May-June
SPHINGIDAE

Sphinginae

AGRIUS Hübner, 1819

7771 \textit{cingulata} (Fabricius, 1775). Division 5, early October

MANDUCA Hübner, 1807

7775 \textit{sexta} (Linnaeus, 1763). Divisions, 4, 5, 6, July-September

7776 \textit{quinquemaculata} (Haworth, 1803). Statewide, July-September

DOLBA Walker, 1856

7784 \textit{hyloeus} (Drury, 1773). Divisions 2, 4, early July-mid August

CERATOMIA Harris, 1839

7786 \textit{amynor} (Geyer, 1835). Statewide, June-July

7787 \textit{undulosa} (Walker, 1856). Statewide, June-July

7789 \textit{catalpae} (Boisduval, 1875). Divisions 5, 6, mid-July-early September

7790 \textit{hageni} Grote, 1874. Division 6, late July-early August

SPHINX Linnaeus, 1758

7796 \textit{eremitus} (Hübner, 1823). Statewide, July

7802 \textit{chersis} (Hübner, 1823). Statewide, July

7803 \textit{vashti} Strecker, 1878. Divisions 3, 5, mid June-July

7807 \textit{canadensis} Boisduval, 1875. Divisions 1, 2, 3, July

7809 \textit{kalmae} J. E. Smith, 1797. Statewide, June-July

7810 \textit{gordius} Cramer, 1780. Divisions 4, 5, 6, late May-early July

7810.1 \textit{poecilia} Stephens, 1828. Divisions 1, 2, 3, 4, late May-July

7811 \textit{luscitiosa} Clemens, 1859. Divisions 2, 3, late May-early July

7812 \textit{drupiferarum} J. E. Smith, 1797. Statewide, late May-early July

LAPARA Walker, 1856

7817 \textit{bombycoides} Walker, 1856. Divisions 1, 2, 3, 4, 6, June-mid July

SMERINTHUS Latreille, 1802

7821 \textit{jamaicensis} (Drury, 1773). Statewide, late May-mid August

7822 \textit{cerisyi} Kirby, 1837. Statewide, mid May-June

PAONIAS Hübner, 1819

7824 \textit{excaecatus} (J. E. Smith, 1797). Statewide, June-July

7825 \textit{myops} (J. E. Smith, 1797). Statewide, late May-early August

LAOTHOE Fabricius, 1807

7827 \textit{juglandis} (J. E. Smith, 1797). Statewide, mid-May-July

PACHYSPHINX Rothschild & Jordan, 1903

7828 \textit{modesta} (Harris, 1839). Statewide, late May-July

Macroglossinae

ERINNYIS Hübner, 1819

7832 \textit{alophe} (Drury, 1770). Division 4, early September

7834 \textit{ello} (Linnaeus, 1758). Divisions 5, 6, July-mid September

7837 \textit{obscura} (Fabricius, 1775). Division 5, early September

AELLOPOS Hübner, 1819

7849 \textit{titan} (Cramer, 1777). Divisions 3, 5, late July-early September

HEMARIS Dalman, 1816

7853 \textit{thysbe} (Fabricius, 1775). Statewide, early June-mid August

7854 \textit{gracilis} (Grote & Robinson, 1865). Divisions 2, 4, late May-late June
<table>
<thead>
<tr>
<th>7855</th>
<th><strong>diffinis</strong> (Boisduval, 1836). Statewide, May-early August</th>
</tr>
</thead>
<tbody>
<tr>
<td>7859</td>
<td><strong>EUMORPHA</strong> Hübner, 1807</td>
</tr>
<tr>
<td></td>
<td><strong>pandorus</strong> (Hübner, 1821). Divisions 4, 5, 6, mid June-early September</td>
</tr>
<tr>
<td>7861</td>
<td><strong>achemon</strong> (Drury, 1773). Divisions 5, 6, July-September</td>
</tr>
<tr>
<td>7865</td>
<td><strong>fasciata</strong> (Sulzer, 1776). Division 5, mid-July</td>
</tr>
<tr>
<td>7866</td>
<td><strong>labruscae</strong> (Linnaeus, 1758). Division 5, mid-October</td>
</tr>
<tr>
<td>7870</td>
<td><strong>SPHECODINA</strong> Blanchard, 1840</td>
</tr>
<tr>
<td></td>
<td><strong>abbottii</strong> (Swainson, 1821). Divisions 3, 4, 5, 6, early May-mid June</td>
</tr>
<tr>
<td>7871</td>
<td><strong>DEIDAMIA</strong> Clemens, 1859</td>
</tr>
<tr>
<td></td>
<td><strong>inscripta</strong> (Harris, 1839). Divisions 3, 4, 5, 6, late April-early June</td>
</tr>
<tr>
<td>7873</td>
<td><strong>AMPHION</strong> Hübner, 1819</td>
</tr>
<tr>
<td></td>
<td><strong>floridensis</strong> B. P. Clark, 1920. Statewide, June</td>
</tr>
<tr>
<td>7874</td>
<td><strong>DARAPSA</strong> Walker, 1856</td>
</tr>
<tr>
<td></td>
<td><strong>versicolor</strong> (Harris, 1839). Division 6, mid July-early August</td>
</tr>
<tr>
<td>7885</td>
<td><strong>MYRON</strong> Cramer, 1780. Statewide, June-July</td>
</tr>
<tr>
<td>7886</td>
<td><strong>pholus</strong> (Cramer, 1776). Statewide, mid May-July</td>
</tr>
<tr>
<td>7890</td>
<td><strong>XYLOPHANES</strong> Hübner, 1819</td>
</tr>
<tr>
<td></td>
<td><strong>tersa</strong> (Linnaeus, 1771). Divisions 4, 5, 6, early July-early September</td>
</tr>
<tr>
<td>7893</td>
<td><strong>HYLES</strong> Hübner, 1819</td>
</tr>
<tr>
<td></td>
<td><strong>gallii</strong> (Rottemburg, 1775). Divisions 2, 3, 6, mid June-mid July</td>
</tr>
<tr>
<td>7894</td>
<td><strong>lineata</strong> (Fabricius, 1775). Statewide, mid-May-September</td>
</tr>
<tr>
<td></td>
<td><strong>NOTODONTIDAE</strong></td>
</tr>
<tr>
<td>7895</td>
<td><strong>CLOSTERA</strong> Samouelle, 1819</td>
</tr>
<tr>
<td></td>
<td><strong>albosigma</strong> Fitch, 1856. Statewide, mid May-mid August</td>
</tr>
<tr>
<td>7896</td>
<td><strong>inclusa</strong> (Hübner, 1829-31). Divisions 2, 4, mid May-mid June</td>
</tr>
<tr>
<td>7898</td>
<td><strong>strigosa</strong> (Grote, 1882). Statewide, early May-mid August</td>
</tr>
<tr>
<td>7900</td>
<td><strong>brucei</strong> Hy. Edwards, 1885. Division 2, mid May-June</td>
</tr>
<tr>
<td>7901</td>
<td><strong>apicalis</strong> (Walker, 1855). Statewide, early May-mid August</td>
</tr>
<tr>
<td>7902</td>
<td><strong>DATANA</strong> Walker, 1855</td>
</tr>
<tr>
<td></td>
<td><strong>ministra</strong> (Drury, 1773). Statewide, mid June-July</td>
</tr>
<tr>
<td>7903</td>
<td><strong>angustii</strong> Grote &amp; Robinson, 1866. Divisions 3, 5, 6, late June-July</td>
</tr>
<tr>
<td>7904</td>
<td><strong>drexelii</strong> Hy. Edwards, 1884. Division 2, late June</td>
</tr>
<tr>
<td>7906</td>
<td><strong>contracta</strong> Walker, 1855. Divisions 5, 6, late June-late July</td>
</tr>
<tr>
<td>7907</td>
<td><strong>integerrima</strong> Grote &amp; Robinson, 1866. Divisions 5, 6, late June-late July</td>
</tr>
<tr>
<td>7908</td>
<td><strong>perspicua</strong> Grote &amp; Robinson, 1865. Division 6, July</td>
</tr>
<tr>
<td>7915</td>
<td><strong>NADATA</strong> Walker, 1855</td>
</tr>
<tr>
<td></td>
<td><strong>gibbosa</strong> (J. E. Smith, 1797). Statewide, une-July</td>
</tr>
<tr>
<td>7917</td>
<td><strong>HYPERAESCHRA</strong> Butler, 1880</td>
</tr>
<tr>
<td></td>
<td><strong>georgica</strong> (Herrich-Schäffer, 1855). Statewide, late May-mid August</td>
</tr>
<tr>
<td>7919</td>
<td><strong>PERIDEA</strong> Stephens, 1828</td>
</tr>
<tr>
<td></td>
<td><strong>basitriens</strong> (Walker, 1855). Statewide, July</td>
</tr>
<tr>
<td>7920</td>
<td><strong>angulosa</strong> (J. E. Smith, 1797). Statewide, mid June-mid August</td>
</tr>
<tr>
<td>7921</td>
<td><strong>ferruginea</strong> (Packard, 1864). Statewide, mid June-early August</td>
</tr>
<tr>
<td>7922</td>
<td><strong>PHEOSIA</strong> Hübner, 1819</td>
</tr>
<tr>
<td></td>
<td><strong>rimosa</strong> Packard, 1864. Statewide, mid May-August</td>
</tr>
<tr>
<td>7924</td>
<td><strong>ODONTOSIA</strong> Hübner, 1819</td>
</tr>
<tr>
<td></td>
<td><strong>elegans</strong> (Strecker, 1885). Statewide, mid May-July</td>
</tr>
</tbody>
</table>
NOTODONTA Boisduval, 1828
7926  *scitipennis* Walker, 1862. Divisions 2, 3, 4, late May-early July
7928  *simplaria* Graef, 1881. Divisions 2, 4, 6, late May-mid August

NERICE Walker, 1855
7929  *hidentata* Walker, 1855. Statewide, mid May-late August

ELLIDA Grote, 1876
7930  *caniplaga* (Walker, 1856). Statewide, early May-mid July

GLYPHISIA Boisduval, 1828
7931  *septentrionis* Walker, 1855. Statewide, mid May-mid August
7933  *avimacula* Hudson, 1891. Statewide, early April-May
7934  *lintneri* (Grote, 1877). Divisions 2, 5, 6, mid April-mid May

FURCULA Lamarck, 1816
7936  *borealis* (Guerin-Meneville, 1832). Statewide, mid-May-early August
7937  *cineara* (Walker, 1865). Statewide, mid June-July
7939  *occidentalis* (Lintner, 1878). Statewide, mid May-mid August
7941  *modesta* (Hudson, 1891). Statewide, early May-mid August

CERURA Schrank, 1802
7942  *scitissipta* Walker, 1865. Divisions 2, 3, 5, late May-mid July

SYMMERISTA Hübner, 1821
7951  *albifrons* (J. E. Smith, 1797). Divisions 3, 6, early July-early August
7952  *canicosta* Franclemont, 1946. Statewide, early June-mid July
7953  *leucitis* Franclemont, 1946. Statewide, June-mid July

DASYLOPHIA Packard, 1864
7957  *anguina* (J. E. Smith, 1797). Divisions 3, 5, 6, mid May-late August
7958  *thyatiroides* (Walker, 1862). Division 3, July

MACRUROCAMPA Dyar, 1893
7975  *marthesia* (Cramer, 1780). Divisions 4, 5, 6, June-July

HETEROAMPA Doubleday, 1841
7983  *obliqua* Packard, 1864. Statewide, July
7985  *subrotata* Harvey, 1874. Division 6, June-mid July
7990  *umbra* Walker, 1855. Statewide, June-July
7994  *guttivittata* (Walker, 1855). Statewide, late May-June
7995  *biundata* Walker, 1855. Statewide, June-July

LOCHMAEUS Doubleday, 1841
7998  *manteo* Doubleday, 1841. Statewide, June-July
7999  *bilineata* (Packard, 1864). Statewide, late May-July

SCHIZURA Doubleday, 1841
8005  *ipomoeae* Doubleday, 1841. Statewide, mid June-mid August
8006  *badia* (Packard, 1864). Divisions 2, 3, 5, 6, mid June-mid July
8007  *unicornis* (J. E. Smith, 1797). Statewide, mid May-mid August
8009  *apicalis* (Grote & Robinson, 1866). Divisions 2, 4, 6, June-July
8010  *concina* (J. E. Smith, 1797). Divisions 1, 2, mid June-mid July
8011  *leptinoides* (Grote, 1864). Statewide, mid June-mid August

OLIGOCENTRIA Herrich-Schäffer
8012  *semirufescens* (Walker, 1865). Statewide, late June-early August
8017  *lignicolor* (Walker, 1855). Statewide, mid June-mid August

HYPARAX Hübner, 1825
8022  *aurora* (J. E. Smith, 1797). Divisions 4, 5, 6, June-mid July
ARCTIIDAE

Lithosiinae

EILEMA Hübner, 1819
8043 bicolor (Grote, 1864). Divisions 1, 2, 3, mid July-late August

CRAMBIDIA Packard, 1864
8045.1 pallida Packard, 1864. Statewide, early July-early August
8051 casta (Packard, 1869). Divisions 2, 3, 4, 6, mid August-mid September
8052 pura Barnes & McDunnough, 1913. Divisions 2, 6, late August-mid September

LYCOMORPHA Harris, 1839
8087 pholus (Drury, 1773). Divisions 2, 3, 6, July-mid September

HYPOPREPIA Hübner, 1827-31
8089 miniata (Kirby, 1837). Statewide, June-mid August
8090 fucosa Hübner, 1827-31. Statewide, July-August

CLEMENSIA Packard, 1864
8098 albata Packard, 1864. Statewide, June-August

Arctiinae

UTETHEISA Hübner, 1819
8106 bella (Linnaeus, 1758). Division 5, late August

HAPLOA Hübner, 1820
8109 reversa (Stretch, 1885). Statewide, late June-July
8110 contigua (Walker, 1855). Divisions 2, 4, 6, July
8111 lecontei (Guerin-Meneville, 1832). Statewide, late June-late July
8112 confusa (Lyman, 1887). Statewide, July

HOLOMELINA Herrich-Schäffer, 1856
8114 laeta (Guerin-Meneville, 1832). Divisions 2, 3, 4, 6, late June-mid July
8118 opella (Grote, 1863). Divisions 5, 6, late June-early August
8120 lamae (Freeman, 1941). Divisions 2, 3, late June-early July
8121 aurantiaca (Hübner, 1827-31). Statewide, late June-mid September
8123 ferruginosa (Walker, 1854). Statewide, mid July-mid August
8124 immaculata (Reakirt, 1864). Division 2, July-mid August

PYRRHARCTIA Packard, 1864
8129 isabella (J. E. Smith, 1797). Statewide, early June-late July

ESTIGMENE Hübner, 1820
8131 acrea (Drury, 1773). Statewide, early June-early August

SPILOSOMA Curtis, 1825
8133 latipennis Stretch, 1872. Statewide, late May-June
8134 congrua Walker, 1855. Statewide, mid May-mid July
8136 dubia (Walker, 1855). Division 2, late May-mid June
8137 virginica (Fabricius, 1798). Statewide, mid May-July

HYPHANTRIA Harris, 1841
8140 cunea (Drury, 1773). Statewide, mid May-early July

ECPANTHERIA Hübner, 1820
8146 scribonia (Stoll, 1790). Divisions 4, 6, mid June

PHRAGMATOBIA Stephens, 1828
8156 fuliginosa (Linnaeus, 1758). Statewide, mid June-mid September
8157 lineata Newman & Donahue, 1966. Divisions 5, 6, July
8158  *assimilans* Walker, 1855. Divisions 1, 2, 3, 4, mid May-early June

**PLATARCTIA** Packard, 1864

8162  *parthenos* (Harris, 1850). Divisions 1, 2, June-early July

**ARCTIA** Schrank, 1802

8166a  *coja americana* Harris, 1841. Divisions 1, 2, late July-early August

**APANTESIS** Harris, 1841

8169  *phalerata* (Harris, 1841). Divisions 3, 5, 6, June-mid September

8171  *nais* (Drury, 1773). Statewide, late May-late August

8171.1  *carlotta* Ferguson, 1985. Division 6, June-mid September

**GRAMMIA** Rambur, 1866

8175  *virguncula* (Kirby, 1837). Statewide, June-early July

8175.1  *speciosa* (Möschler, 1864). Divisions 1, 2, 4 mid July-early August

8176  *anna* (Grote, 1864). Division 6, mid June

8187  *celia* (Saunders, 1863). Divisions 2, 3, 4, 6, mid May-mid June

8188  *figurata* (Drury, 1773). Division 6, mid May-early June

8194  *phyllira* (Drury, 1773). Divisions 3, 4, 6, early June-early September

8195  *oithona* (Strecker, 1878). Divisions 3, 4, 6, early June-early September

8196  *parthenice* (Kirby, 1837). Statewide, late July-early September

8197  *virgo* (Linnaeus, 1758). Statewide, mid July-mid August

8199  *arge* (Drury, 1773). Divisions 4, 5, 6, early May-early September

**HALYSIDOTA** Hübner, 1819

8203  *tessellaris* (J. E. Smith, 1797). Statewide, mid June-July

**LOPHOCAMPA** Harris, 1841

8211  *carvae* Harris, 1841. Divisions 3, 5, 6, June

8214  *maculata* Harris, 1841. Divisions 1, 2, 3, 4, June

**CYCNA** Hübner, 1818

8228  *inopinatus* H. Edwards, 1882. Divisions 4, 5, 6, June-early September

8230  *tenera* Hübner, 1818. Statewide, early June-August

8231  *oregonensis* (Stretch, 1873). Statewide, late May-mid August

**EUCHAETES** Harris, 1841

8238  *ege* (Drury, 1773). Statewide, early June-mid July

**PYGARCTIA** Grote, 1871

8254  *spraguei* (Grote, 1875). Division 4, early June

**Ctenuchinae**

**CTENUCHA** Kirby, 1837

8262  *virginica* (Esper, 1794). Statewide, mid June-July

**CISSEPS** Franclemont, 1936

8267  *fulvicollis* (Hübner, 1818). Statewide, mid June-mid September

**LYMANTRIIDAE**

**Orgyiinae**

**DASYCHIRA** Hübner, 1809

8293  *dorsipennata* (Barnes & McDunnough, 1919). Statewide, late June-early August

8294  *vagans* (Barnes & McDunnough, 1913). Division 2, July

8296  *basiflava* (Packard, 1864). Statewide, late June-early August

8300  *cinnamomea* (Grote & Robinson, 1866). Statewide, mid July-late August

8302  *obliquata* (Grote & Robinson, 1866). Statewide, mid July-mid August
8304  *plagiata* (Walker, 1865). Divisions 2, 3, July-early August
8305  *pinicola* (Dyar, 1911). Divisions 2, 4, early June-July

**ORGYIA** Ochsenheimer, 1810
8308a  *antiqua nova* Fitch, 1863. Division 2, September
8314  *definita* Packard, 1864. Statewide, late August-September
8316  *leucostigma* (J. E. Smith, 1797). Statewide, late August-early October

**LYMANTRIA** Hübner, 1819
8318  *dispar* (Linnaeus, 1758). Statewide, late July-August

**NOCTUIDAE**

**Herminiinae**

**IDIA** Hübner, 1813
8322  *americalis* (Guenée, 1854). Statewide, June-mid October
8323  *aemula* Hübner, 1813. Statewide, June-mid October
8323.1  near *aemula* Hübner, 1813. (*concisa* of authors). Statewide, early July-mid August
8324  *majoralis* (J. B. Smith, 1895). Divisions 3, 5, 6, July-early September
8327  *forbesi* (French, 1894). Division 6, late June-early July
8326  *rotundalis* (Walker, 1866). Statewide, July-mid August
8328  *julia* (Barnes & McDunnough, 1918). Divisions 3, 5, 6, mid-July-mid August
8329  *diminuendis* (Barnes & McDunnough, 1918). Divisions 2, 4, late July-mid August
8330  *scobialis* (Grote, 1880). Division 5, early August
8333  *denticulalis* (Harvey, 1875). Division 6, early July
8334  *lubricalis* (Geyer, 1832). Statewide, June-early September

**PHALAENOPHANA** Grote, 1873
8338  *pyramusalis* (Walker, 1859). Statewide, mid May-mid July

**ZANCLOGNATHA** Lederer, 1857
8340  *lituralis* (Hübner, 1818). Divisions 2, 4, 6, late June-early August
8341  *theralis* (Walker, 1859). Divisions 1, 2, late June-early August
8345  *laevigata* (Grote, 1872). Statewide, late June-early August
8348  *pedipilalis* (Guenée, 1854). Divisions 2, 5, 6, June-late August
8349  *protunnusalis* (Walker, 1859). Division 6, late June
8350  *martha* Barnes, 1928. Divisions 1, 2, 4, mid June-late July
8351  *curralis* (Guenée, 1854). Statewide, mid June-late July
8352  *jaccusalis* (Walker, 1859). Division 6, mid August
8353  *ochreipennis* (Grote, 1872). Statewide, early July-late August

**CHYTOLITA** Grote, 1873
8355  *morbidalis* (Guenée, 1854). Division 6, early June
8356  *petrealis* Grote, 1880. Divisions I, 2, 3, 6, June

**MACROCHILO** Hübner, 1825
8357  *absorptalis* Walker, 1859. Statewide, mid June-mid August
8357.1  *hypocrtalis* Ferguson, 1982. Divisions 5, 6, early July-mid August
8358  *litophora* (Grote, 1873). Divisions 5, 6, early July
8359  *bivittata* (Grote, 1877). Statewide, July-mid August
8360  *orciferalis* Walker, 1859. Statewide, July-early September
8361  *louisiana* (Forbes, 1922). Statewide, July-mid August

**PHALAENOSTOLA** Grote, 1873
8362  metonalis (Walker, 1859). Statewide, mid June-mid August
8363  eumelusalis (Walker, 1859). Divisions 4, 5, 6, late June-late July
8364  larentioides Grote, 1873. Statewide, mid June-mid August
8365  hanhami (J. B. Smith, 1899). Statewide, early July-mid August

TETANOLITA Grote, 1873
8366  mynesalis (Walker, 1859). Division 5, mid September
8368  florida (J. B. Smith, 1895). Division 5, mid-August

BLEPTINA Guenée, 1854
8370  caradrinalis Guenée, 1854. Statewide, mid June-early August

RENIA Guenée, 1854
8379  factiosalis (Walker, 1859). Divisions 5, 6, mid July-late August
8384.1 flavipunctalis (Geyer, 1832). Statewide, early July-mid August
8387  sobrialis (Walker, 1859). Divisions 1, 4, 6, early July-mid August

LASCORIA Walker, 1859
8393  ambigualis Walker, 1866. Divisions 5, 6, late May-early September

PALTHIS Hübner, 1825
8397  angulalis (Hübner, 1796). Statewide, June-mid August
8398  asopialis (Guenée, 1854). Divisions 5, 6, early June-early August

Rivulinae
RIVULA Guenée, 1845
8404  propinqualis Guenée, 1854. Statewide, late June-early September

COLOBOCHYLA Hübner, 1825
8411  interpuncta (Grote, 1872). Division 5, early June

MELANOMMA Grote, 1875
8412  auricinctaria Grote, 1875. Divisions 5, 6, July

MYCTEROPHORA Hulst, 1896
8413  inexplicata (Walker, 1862). Division 2, late July-early August

Hyponodinae
HYPENODES Doubleday, 1850
8420  caducus (Dyar, 1907). Divisions 4, 5, 6, late June-mid August
8421  fractilinea (J. B. Smith, 1908). Divisions 4, 5, late June-mid August
8422  palustris Ferguson, 1954. Divisions 4, 5, late June-mid August
8423  sombrus Ferguson, 1954. Divisions 2, 4, 5, early July-mid August

DYSPYRALIS Warren, 1891
8426  illocata Warren, 1891. Division 6, July
8427  puncticosta (J. B. Smith, 1908). Division 5, late July
8428  nigella (Strecker, 1900). Division 6, late June-mid July

PARAHYPENODES Barnes & McDunnough, 1918
8430  quadralis Barnes & McDunnough, 1918. Division 6, late June

Hypeninae
BOMOLOCHA Hübner, 1825
8441  manalis (Walker, 1859). Divisions 4, 5, 6, late July-early September
8442  baltimoralis (Guenée, 1854). Statewide, mid May-July
8443  bijugalis (Walker, 1859). Statewide, early June-August
8444  palparia (Walker, 1861). Divisions 2, 5, June-early August
8445  abalianalis (Walker, 1859). Divisions 5, 6, mid June-late August
8446  deceptalis (Walker, 1859). Statewide, June-mid August
8447  madefactalis (Guenée, 1854). Divisions 5, 6, late May-mid June
8448  
8450  
8452  
LOMANALTES Grote, 1873
8455  
OPYHIUCHE Hübner, 1825
8457  
HYPENA Schrank, 1802
8461  
PLATHYPENA Grote, 1873
8465  
TATHORRHYNCHUS Hampson, 1894
8466  
SPARGALOMA Grote, 1873
8479  
PHYTOMETRA Haworth, 1809
8480  
Catocalinae
8490  
LEDAEA Druce, 1891
8491  
ISOGONA Guenée, 1852
8493  
METALECTRA Hübner, 1823
8499  
SCOECOCAMPA Guenée, 1852
8514  
PLUSIODONTA Guenée, 1852
8534  
CALYPTRA Ochsenheimer
8536  
EUDOCIMA Billberg, 1820
8543  
ANOMIS Hübner, 1821
8545  
ALABAMA Grote, 1895
8554  
SCOLIOPTERYX Germar, 1810
8555  
ANTICARSIA Hübner, 1818
8574  
PANOPODA Guenée, 1852
8587  
8588  
22
PHOBERIA Hübner, 1818
8591 atomaris Hübner, 1818. Divisions 4, 5, 6, mid April-mid May
8591.1 orthosioideas (Gueneé, 1852). Divisions 4, 6, mid April-mid May
CISSUSA Walker, 1856
8592 spadix (Cramer, 1780). Divisions 5, 6, late April-mid May
MELIPOTIS Hübner, 1818
8598 perpendicularis (Gueneé, 1852). Division 3, late July
DRASTERIA Hübner, 1818
8618a graphica atlantica Barnes & McDunnough, 1918. Divisions 1, 2, 3, 4, 6, mid May-late June
8641 grandirena (Haworth, 1809). Divisions 2, 3, 4, June
THYSANIA Dalman, 1824
8647 zeniobia (Cramer, 1777). Divisions 3, 5, early September-October
ASCALAPA Hübner, 1809
8649 odorata (Linnaeus, 1758). Divisions 2, 3, 5, 6, early July-late September
LESMONE Hübner, 1818
8651 detrahens (Walker, 1858). Divisions 5, 6, late June-late August
ZALE Hübner, 1818
8689 lunata (Drury, 1773). Statewide, late July-late October
8692 galbanata (Morrison, 1876). Statewide, mid May-early September
8694 aeruginosa (Gueneé, 1852). Divisions 1, 2, 3, 4, late May-mid June
8695 undularis (Drury, 1773). Statewide, mid May-mid July
8697 minerea (Gueneé, 1852). Statewide, late April-early June
8698 phaeocapna Franclemont, 1950. Divisions 2, 6, May
8699 obliqua (Gueneé, 1852). Divisions 2, 4, 6, late May-early June
8702 submediiona Strand, 1917. Divisions 2, 4, late May-early June
8703 duplicata (Bethune, 1865). Divisions 2, 4, 6, mid May-mid June
8704 helata (J. B. Smith, 1908). Statewide, early May-mid June
8707 metatoides McDunnough, 1943. Divisions 2, 4, 6, mid April-mid June
8713 lunifera (Hübner, 1818). Statewide, late April-early June
8716 unilineata (Grote, 1876). Statewide, late April-May
8717 horrida Hübner, 1818. Statewide, late May-late June
EUPARTHENOS Grote, 1876
8719 nubilis (Hübner, 1823). Statewide, June-mid August
PARALLELIA Hübner, 1818
8727 bistriaris Hübner, 1818. Statewide, mid May-July
EUCLIDIA Ochsenheimer, 1816
8731 cuspidea (Hübner, 1818). Statewide, mid May-early July
CAENURGINA McDunnough, 1937
8738 crassiuscula (Haworth, 1809). Statewide, late April-September
8739 erechta (Cramer, 1780). Statewide, late April-early November
MOCIS Hübner, 1823
8743 latipes (Gueneé, 1852). Divisions 2, 3, mid September-mid October
8745 texana (Morrison, 1875). Divisions 4, 5, 6, mid May-mid October
CELIPTERA Gueneé, 1852
8747 frustulum Gueneé, 1852. Division 6, late May-late August
PTICHODIS Hübner, 1818
8751 bistrigata Hübner, 1818. Division 6, mid May
ARGYROSTROTIS Hübner, 1821
8764 anilis (Drury, 1773). Statewide, mid June-mid July

SPILOLOMA Grote, 1873
8769 lunilinea Grote, 1873. Division 6, late June-mid August

CATOCALA Schrank, 1802
8770 innubens Guenée, 1852. Divisions 5, 6, early July-early September
8771 piatrix Grote, 1864. Divisions 5, 6, early August-mid September
8773 epione (Drury, 1773). Divisions 5, 6, mid-July-mid August
8775 antinymphra (Hübner, 1823). Divisions 1, 2, 3, 4, late July-late September
8776 coelebs Grote, 1874. Divisions 1, 3, early August
8778 habitis Grote, 1872. Divisions 5, 6, mid August-mid September
8779 serena Edwards, 1864. Divisions 5, 6, mid July-mid August
8781 judith Strecker, 1874. Divisions 5, 6, mid July-mid August
8784 obscura Strecker, 1873. Divisions 5, 6, early August-early September
8785 residua Grote, 1874. Divisions 5, 6, mid July-late August
8788 retecta Grote, 1872. Divisions 5, 6, August-mid September
8791 insolabilis Guenée, 1852. Division 6, mid July
8792 vidua (J. E. Smith, 1797). Divisions 5, 6, late August-mid September
8793 maestosa Hulst, 1884. Division 5, late August
8794 lacrymosa Guenée, 1852. Divisions 3, 5, late July-late August
8795 palaeogama Guenée, 1852. Divisions 5, 6, mid July-early September
8796 nebula Edwards, 1864. Division 6, late July-late August
8797 subnata Grote, 1864. Divisions 5, 6, Late July-August
8798 neogama (J. E. Smith, 1797). Divisions 5, 6, mid July-late August
8799 itilis (Cramer, 1776). Statewide, early July-September
8801 cerogama Guenée, 1852. Statewide, mid July-late August
8803 relicta Walker, 1858. Statewide, early August-early October
8805 unijuga Walker, 1858. Statewide, August-early September
8806 parta Guenée, 1852. Statewide, mid July-mid September
8808 luciana Strecker, 1874. Divisions 5, 6, late July-mid September
8810 brises Edwards, 1864. Divisions 1, 2, 3, August, mid September
8821 semirelicta Grote, 1874. Divisions 1, 2, 3, early August-early September
8822 meskei Grote, 1873. Divisions 3, 4, 5, 6, August
8829 junctura Walker, 1858. Divisions 5, 6, mid July
8832 cara Guenée, 1852. Divisions 3, 4, 5, 6, early August-mid September
8833 concumbens Walker, 1858. Statewide, late July-mid September
8834 amatrix (Hübner, 1809-13). Divisions 3, 5, 6, early August-mid September
8840 illecta Walker, 1858. Division 6, late June-mid July
8841 abbreviatella Grote, 1872. Divisions 4, 5, 6, early July
8842 nuptialis Walker, 1858. Division 6, August
8843 whitneyi Dodge, 1874. Divisions 4, 5, 6, mid July-early August
8844 amestris Strecker, 1874. Divisions 4, 5, 6, mid July-early August
8846 sordida Grote, 1877. Divisions 1, 2, 4, mid July-late August
8851 coccinata Grote, 1872. Statewide, mid July-late August
8857 utronia (Hübner, 1823). Statewide, early July-mid August
8858 crataegi Saunders, 1876. Divisions 2, 3, 5, 6, July
8863 mira Grote, 1876. Divisions 2, 5, 6, early July-early August
8864 grynea (Cramer, 1780). Statewide, late July-late August

24
8865 *praecella* Grote & Robinson, 1866. Divisions 1, 2, 3, 4, 5, late July-late August
8867 *blandula* Hulst, 1884. Statewide, early July-mid August
8872 *clintoni* Grote, 1864. Divisions 5, 6, late June-mid July
8873 *similis* Edwards, 1864. Statewide, July
8874 *minuta* Edwards, 1864. Divisions 5, 6, July
8876 *micronympha* Guenée, 1852. Divisions 4, 5, 6, early July-early August
8877 *connubialis* Guenée, 1852. Divisions 4, 6, July-late August
8878 *amica* Hübner, 1818. Statewide, mid July-mid August
8878.1 *lineella* Grote, 1872. Statewide, mid July-mid August

**Plusiinae**

**ABROSTOLA** Ochsenheimer, 1816
8880 *ovalis* Guenée, 1852. Divisions 5, 6, late May-early June
8881 *urentis* Guenée, 1852. Statewide, mid May-mid August

**ARGYROGRAMMA** Hübner, 1823
8885 *verrucula* (Fabricius, 1794). Division 5, late September

**TRICHOPLUSIA** McDunnough, 1944
8887 *ni* (Hübner, 1800-03). Divisions 4, 5, 6, late June-early September

**CTENOPPLUSIA** Dufay, 1970
8889 *oxygramma* (Geyer, 1832). Divisions 5, 6 late August-early September

**PSEUDOPPLUSIA** McDunnough, 1944
8890 *includens* (Walker, 1858). Divisions 3, 5, 6, mid September-early October

**RACHIPLUSIA** Hampson, 1813
8895 *ou* (Guenée, 1852). Divisions 1, 2, 4, 5, early September-mid October

**DIACRYSIA** Hübner, 1821
8896 *aereoides* (Grote, 1864). Divisions 1, 2, 3, 4, July-early August
8897 *balluca* Geyer, 1832. Statewide, July-mid August

**ALLAGRAPHA** Franclemont, 1964
8898 *aerea* (Hübner, 1802-03). Statewide, mid June-early September

**PSEUDEVA** Hampson, 1913
8899 *purpurigera* (Walker, 1858). Statewide, late June-late July

**CHRYSANYMPHA** Grote, 1896
8904 *formosa* (Grote, 1865). Divisions 1, 2, 4, late June-July

**EOSPHOROPTERYX** Dyar, 1902
8905 *thyatirodis* (Guenée, 1852). Statewide, mid July-late August

**MEGALEGRA** Lafontaine & Poole, 1991
8907 *biloba* (Stevens, 1830). Statewide, mid May-September

**AUTOGRAPHA** Hübner, 1821
8908 *precationis* (Guenée, 1852). Statewide, late May-early October
8909 *rubida* Ottolengui, 1902. Division 2, late May-late June
8911 *bimaculata* (Stephens, 1830). Division 2, July
8912 *mappa* (Grote & Robinson, 1868). Division 2, early June-early July
8914 *californica* (Speyer, 1875). Divisions 2, 4, 5, late June-late August
8916 *flagellum* (Walker, 1858). Division 1, late June-early July
8923 *ampla* (Walker, 1858). Statewide, late June-late July

**ANAGRAPHA** McDunnough, 1944
8924 *falcifera* (Kirby, 1837). Statewide, late May-mid October

**SYNGRAPHA** Hübner, 1821
8926 octoscripta (Grote, 1874). Divisions 1, 2, 3, mid July-August
8927 epigaea (Grote, 1875). Divisions 1, 2, 3, 4, early July-mid August
8928 selecta (Walker, 1858). Divisions 1, 2, late August
8929 viridisigma (Grote, 1874). Divisions 2, 3, late July-August
8930 alias (Ottolengui, 1902). Division 2, early July-early August
8940 abstrusa Eichlin, 1978. Division 2, July
8941 cryptica Eichlin, 1978. Divisions 1, 2, July
8942 rectangula (Kirby, 1837). Divisions 1, 2, 3, late June-mid August
8945 montana (Packard, 1869). Division 2, early June-early July
8946a microgamma nearctica Ferguson, 1955. Divisions 1, 2, mid June

PLUSIA Ochsenheimer, 1816
8950 putnami Grote, 1873. Divisions 1, 2, 3, 4, 5, mid June-early September
8952 contexta Grote, 1873. Divisions 5, 6, early June-mid September
8953 venusta Walker, 1865. Divisions 1, 2, 3, 4, 5, mid June-mid August

Euteliinae
MARATHYSSA Walker, 1865
8955 inficita (Walker, 1865). Divisions 5, 6, mid June-early August
8956 basalis Walker, 1865. Divisions 5, 6, May

PAECTES Hübner, 1818
8957 oculatrix (Guenée, 1852). Divisions 5, 6, mid June-late August

Sarrothripininae
BAILEYA Grote, 1895
8969 doubledayi (Guenée, 1852). Statewide, late May-late July
8970 ophthalmica (Guenée, 1852). Statewide, June
8971 dormitans (Guenée, 1852). Divisions 5, 6, late May-late June
8972 levitans (J. B. Smith, 1906). Divisions 5, 6, mid May-early June
8973 australis (Grote, 1881). Division 6, late June-late August

NYCTEOLA Hübner, 1822
8975 frigidana (Walker, 1863). Division 2, late May

Nolinae
MEGANOLA Dyar, 1898
8983 minuscula (Zeller, 1872). Statewide, late May-mid August
8983.1 phylla (Dyar, 1898). Division 5, late July
8983.2 spodia Franclemont, 1985. Divisions 4, 5, late June

NOLA Leach, 1815
8990 cilicoides (Grote, 1873). Statewide, early June-mid August
8992 triquetrana (Fitch, 1856). Divisions 3, 4, May

Acontiinae
EXYRA Grote, 1875
9021 fax (Grote, 1873). Divisions 1, 2, 3, late June-early August

ORUZA Walker, 1862
9025 albocostalitata (Packard, 1876). Division 6, July-early September

HYPERSTROTIA Hampson, 1910
9038 villificans (Barnes & McDunnough, 1918). Divisions 2, 6, mid June-mid July
9040 secta (Grote, 1879). Division 4, 5, 6, late June-late August

THIOPTERA Franclemont, 1950
9044 nigrofimbria (Guenée, 1852). Divisions 3, 5, late September

LITHACODIA Hübner, 1818

26
9046 bellicula Hübner, 1818. Statewide, late May-early September
9047 muscosula (Guenée, 1852). Statewide, early June-mid July
9048 albidula (Guenée, 1852). Statewide, late June-early August
9051 musta (Grote & Robinson, 1868). Divisions 4, 5, early September

**PSEUDEUSTROTIA** Warren, 1913
9053 carneola (Guenée, 1852). Statewide, June-August

**MALIATTHA** Walker, 1863
9055.1 synochitis (Grote & Robinson, 1868). [formerly 9049] Statewide, mid June-mid August
9055.2 concinminuscula (Guenée, 1852). [formerly 9050] Division 2, late May-mid June

**ANTERASTRIA** Sugi, 1982
9055.3 teratophora Herrich-Schaffer, 1854. [formerly 9284] Statewide, early June-mid August

**HOMOPHOBERIA** Morrison, 1875
9057 apicosa (Haworth, 1809). Statewide, June-late August

**CAPIS** Grote, 1882
9059 curvata Grote, 1882. Statewide, July-mid August

**CERMA** Hübner, 1818
9061 cora Hübner, 1818. Divisions 2, 4, 5, 6, mid May-early June
9062 cerintha (Treitschke, 1826). Divisions 3, 5, 6, mid June-mid July

**LEUCONYCIA** Hampson, 1909
9065 diphteroides (Guenée, 1852). Statewide, mid May-late June
9066 lepidula (Grote, 1874). Statewide, late May-early June

**AMNYA** Gueneé, 1852
9070 octo (Guenée, 1852). Divisions 4, 5, 6, late August-early October

**TARACHIDIA** Hampson, 1898
9085 semijlava (Guenée, 1852). Divisions 4, 5, mid June-mid July
9088 virginalis (Grote, 1881). Division 6, early August
9089 binocula (Grote, 1875). Divisions 5, 6, late May-mid August
9090 candefacta (Hübner, 1831). Statewide, early June-mid August
9095 erastrioides (Guenée, 1852). Statewide, early June-late August
9101 torricina (Zeller, 1872). Divisions 5, 6, early June-late August

**SPRAGUEIA** Grote, 1875
9127 leo (Guenée, 1852). Division 6, mid August

**ACONTIA** Ochsenheimer, 1816
9136 aprica (Hübner, 1802). Division 5, early September
9145 terminimaculata (Grote, 1873). Division 6, late June-late July

**BAGISARA** Walker, 1858
9169 rectifascia (Grote, 1874). Divisions 4, 5, 6, late June-early August
9175 gulnare (Strecker, 1880). Division 5, mid-July-mid August

**Pantheinae**

**PANTHEA** Hübner, 1820
9177 acronyctoides (Walker, 1861). Divisions 2, 3, 4, early June-mid August
9182 furcilla (Packard, 1864). Statewide, June-mid August

**COLOCASIA** Ochsenheimer, 1816
9184 flavicornis (J. B. Smith, 1884). Division 2, late April-mid May
9185 propinquilinea (Grote, 1873). Divisions 2, 4, 6, mid May-late June
CHARADRA Walker, 1865
9189 deridens (Guenée, 1852). Statewide, mid May-late August
RAPHIA Hübner, 1821
9193 frater Grote, 1864. Statewide, late May-mid July

Acronictinae
ACRONICTA Ochsenheimer, 1816
9199 rubricoma Gueneé, 1852. Division 6, mid May-mid July
9200 americana (Harris, 1841). Statewide, June-early August
9203 dactylina Grote, 1874. Statewide, mid June-July
9205 lepusculina Gueneé, 1852. Statewide, late May-June
9206 leporina (Linnaeus, 1758). Division 2, late June-early July
9207 imotata Gueneé, 1852. Divisions 1, 2, 3, 4, June-mid July
9208 betulae Riley, 1884. Division 6, June-mid August
9209 radcliffei (Harvey, 1875). Divisions 2, 6, mid May-mid July
9211 tritona (Hübner, 1818). Divisions 1, 2, 4, late May-mid August
9212 grisea Walker, 1856. Divisions 1, 2, 3, 4, 6, late May-late July
9214 falcula (Grote, 1877). Divisions 4, 6, mid May-late August
9219 connecta Grote, 1873. Divisions 4, 5, 6, June-mid August
9221 funerails Grote & Robinson, 1866. Divisions 2, 6, June-late July
9224 quadrata Grote, 1874. Division 2, June
9225 vinnula (Grote, 1864). Divisions 5, 6, mid May-mid June
9226 superans Gueneé, 1852. Divisions 1, 2, 3, 4, 6, late May-mid July
9227 laetifica J. B. Smith, 1897. Statewide, late May-late June
9229 hasta Gueneé, 1852. Statewide, mid May-June
9235 spinigera Gueneé, 1852. Divisions 2, 3, 5, 6, mid May-late August
9236 morula Grote & Robinson, 1868. Divisions 2, 4, 5, 6, mid May-mid August
9237 interrupta Gueneé, 1852. Divisions 2, 4, 6, mid May-mid August
9238 lobeliae Gueneé, 1852. Statewide, mid May-mid July
9241 fragilis (Guenée, 1852). Divisions 1, 2, 5, 6, mid May-mid June
9242 exilis Grote, 1874. Divisions 2, 4, 6, mid June-early August
9243 ovata Grote, 1873. Divisions 4, 5, 6, mid June-late July
9244 modica Walker, 1856. Divisions 4, 5, 6, early June-early July
9245 haesiata (Grote, 1882). Statewide, late May-mid July
9247 trisitis J. B. Smith, 1911. Statewide, mid June-mid July
9249 increta Morrison, 1874. Divisions 2, 4, 5, 6, late May-July
9251 retardata (Walker, 1861). Divisions 2, 6, mid May-late August
9254 afflcta Grote, 1864. Statewide, late June-mid August
9257 impleta Walker, 1856. Divisions 1, 2, 4, 6, mid May-mid June
9258 sperata Grote, 1873. Divisions 2, 4, mid May-mid June
9259 noctivaga Grote, 1864. Divisions 1, 2, mid May-mid June
9261 impressa Walker, 1856. Statewide, mid May-mid August
9264 longa Gueneé, 1852. Divisions 2, 4, late May-late June
9266 lithospila Grote, 1874. Divisions 4, 5, 6, early June-early August
9272 obletina (J. E. Smith, 1797). Statewide, mid May-early August
9274 lanceolaria (Grote, 1875). Division 2, late May

MEROLONCHE Grote, 1882
9277 dolli Barnes & McDunnough, 1918. Divisions 2, 4, mid May

SIMYRA Ochsenheimer, 1816

28
9280 henrici (Grote, 1873). Statewide, June-mid September

AGRIOPEDES Hampson, 1908
9281 fallax Herrich-Schäffer, 1854. Divisions 1, 2, 5, 6, mid May-mid August

HARRISIMEMNA Grote, 1873
9286 trisignata (Walker, 1856). Statewide, mid June-mid July

Agaristinae

EUDRYAS Boisduval, 1836
9299 unio (Hübner, 1827-31). Divisions 4, 5, 6, early July-mid August
9301 grata (Fabricius, 1793). Divisions 5, 6, late June-mid July

PSYCHOMORPHA Harris, 1839
9309 epimenis (Drury, 1782). Divisions 5, 6, early May

ALYPIA Hübner, 1818
9314 octomaculata (Fabricius, 1775). Divisions 5, 6, late June-early July
9318 langtoni Couper, 1865. Division 2, early June

Amphiropyrae

APAMEA Ochsenheimer, 1816
9326 verbascoides (Guenée, 1852). Statewide, late June-July
9328 nigror (J. B. Smith, 1891). Divisions 5, 6, mid-June
9329 cariosa (Guenée, 1852). Divisions 4, 6, early July
9331 cristata (Grote, 1878). Division 2, early July
9333 lignicolora (Guenée, 1852). Statewide, July
9341 vultuosa (Grote, 1875). Statewide, mid June-early July
9343 apamiformis (Guenée, 1852). Divisions 2, 3, 5, July
9344 plutonia (Grote, 1883). Division 2, mid July
9348 amputatrix (Fitch, 1857). Divisions 1, 2, 3, late June-late July
9351 alia (Guenée, 1852). Divisions 2, 3, 4, 6, mid June-early July
9353 inordinata (Morrison, 1875). Divisions 3, 4, early June-mid July
9359 commoda (Walker, 1857). Division 2, late June-early July
9360 impulsa (Guenée, 1852). Divisions 2, 4, 6, late June-late July
9361 mixta (Grote, 1881). Division 2, late July-early August
9362 remissa indocilis (Walker, 1856). Divisions 1, 2, July
9362.1 ophiogramma (Esper, 1793). Divisions 2, 3, early July
9364 sordens (Hufnagel, 1766). Statewide, June
9365 lateritia (Hufnagel, 1766). Divisions 1, 2 early July
9367 dubians (Walker, 1856). Statewide, early July-late August
9367.1 cogiata (J. B. Smith, 1891). Division 2, early July
9372 lutos (Andrews, 1877). Divisions 2, 5, 6, early July
9373 helva (Grote, 1875). Statewide, early August-late September
9374 niveivenosa (Grote, 1879). Divisions 1, 2, 4, 5, late July-early August
9378 burgessi (Morrison, 1874). Divisions 5, 6, early September
9380 relicina (Morrison, 1875). Divisions 4, 6, late August-late September
9382 devastator (Brace, 1819). Statewide, early July-September

LUPERINA Boisduval, 1828
9391 passer (Guenée, 1852). Divisions 1, 2, 5, late June-July
9393 stipata (Morrison, 1875). Divisions 4, 5, 6, early August-early September

EREMOBINA McDunnough, 1937
9396 claudens (Walker, 1857). Division 2, late July-mid August
9398 jocasta (J. B. Smith, 1900). Divisions 1, 2, 3, 4, 5, late Jul-mid August
OLIGIA Hübner, 1821
9402 chlorostigma (Harvey, 1876). Division 6, early July
9404 modica (Guenée, 1852). Statewide, August
9406 fractilinea (Grote, 1874). Divisions 4, 5, 6, late July-late August
9408 exausta (J. B. Smith, 1903). Statewide, late July
9409 hausta (Grote, 1882). Division 3, mid July
9410 crytora Franclemont, 1950. Division 2, late June-early July
9413 tonsa (Grote, 1880). Statewide, early July-mid August
9415 bridghami (Grote & Robinson, 1866). Divisions 1, 2, 3, 4, late July-mid August
9416 minuscula (Morrison, 1874). Divisions 1, 2, early August-early September
9418 obtusa (J. B. Smith, 1902). Division 1, late August-early September
9419 mactata (Guenée, 1852). Statewide, late August-early October
9420 illocata (Walker, 1857). Statewide, September
MEROPELEON Dyar, 1924
9427 diversicolor (Morrison, 1874). Statewide, late August-late September
9428 ambiguiscum (Newman, 1948). Statewide, late August-late September
LEMMERIA Barnes & Benjamin, 1926
9429 digitalis (Grote, 1882). Divisions 2, 4, 5, late September-mid October
SELI CANIS J. B. Smith, 1900
9430 cinereola J. B. Smith, 1900. Division 4, early September-early October
PARASTICTIS Hübner, 1821
9431 suspecta (Hübner, 1817). Divisions 1, 2, 3, early July-early August
XYLOMOIA Staudinger, 1892
9432 chagnoni Barnes & McDunnough, 1917. Statewide, late June-late July
SPARTINIPHAGA McDunnough, 1937
9434 includens (Walker, 1858). Divisions 5, 6, July
9435 inops (Grote, 1881). Divisions 3, 4, 5, 6, mid August-mid September
9436 panatela (J. B. Smith, 1904). Statewide, mid June-mid July
CHORTODES Tutt, 1897
9437 inquinata (Guenée, 1852). Statewide, late July-mid August
9439 basistriga (McDunnough, 1933). Division 2, late August-early September
9441 enervata (Guenée, 1852). Divisions 4, 5, early August
9443 defecta (Grote, 1874). Divisions 1, 2, 3, 4, 5, August
ARCHANARA Walker, 1866
9449 oblonga (Grote, 1882). Divisions 4, 5, 6, mid August-mid September
9450 subflava (Grote, 1882). Divisions 1, 2, 4, 5, late July-August
9451 laeta (Morrison, 1875). Divisions 3, 4, 5, 6, mid August-early September
MACRONOCTUA Grote, 1874
9452 onusta Grote, 1874. Divisions 2, 3, 4, 5, early September-early October
CELAENA Stephens, 1829
9453 renformis (Grote, 1874). Statewide, mid July-mid September
AMPHIPOEA Billberg, 1820
9454 velata (Walker, 1865). Statewide, late June-late August
9456 interoceanaica (J. B. Smith, 1899). Divisions 1, 2, 3, 5, late July-mid August
9457 americana (Speyer, 1875). Statewide, mid July-mid August
PAPAIPEMA J. B. Smith, 1899
9464 cerina (Grote, 1874). Divisions 4, 5, 6, late August-mid October
cataphracta (Grote, 1864). Statewide, early September-early October
arctivorens Hampson, 1910. Statewide, late August-mid September
harrisi (Grote, 1881). Divisions 4, 5, late August-mid September
impecuniosa (Grote, 1881). Statewide, early September-early October
leucostigma (Harris, 1841). Divisions 2, 3, 4, 6, late August-late September
lysimachia Bird, 1914. Statewide, late August-early September
pieris Bird, 1907. Divisions 1, 2, 3, 4, late August-September
speciosissima (Grote & Robinson, 1868). Division 4, late August-September
inquaesita (Grote & Robinson, 1868). Statewide, late August-September
rutila (Guenée, 1852). Division 6, mid September-mid October
baptisiae (Bird, 1902). Divisions 4, 5, 6, late August-September
birdi (Dyar, 1908). Divisions 5, 6, mid August-mid September
nepleptena (Guenther, 1908). Divisions 4, 5, 6, late August-September
circumlucens (J. B. Smith, 1899). Divisions 1, 4, 5, 6, early August-September
marginidens (Guenther, 1852). Division 6, mid October
appassionata (Harvey, 1876). Divisions 1, 2, 3, 4, late August-early September
farcata (J. B. Smith, 1899). Statewide, late August-late September
nebris (Guenther, 1852). Divisions 4, 5, 6, late August-early October
necopina (Grente, 1876). Divisions 4, 5, 6, late August-mid September
silphii Bird. 1915. Division 5, late August-late September
martima Bird, 1909. Divisions 4, 5, 6, early September-early October
ejutorii (Lyman, 1905). Divisions 3, 4, 5, 6, early September-early October
nelita (Strecker, 1898). Divisions 4, 5, 6, late August
rigida (Grente, 1877). Divisions 4, 5, 6, late August-early October
scita Bird, 1908. Divisions 4, 5, 6, mid September-mid October
beeriana Bird, 1923. Divisions 4, 5, early September-early October
unimoda (J. B. Smith, 1894). Divisions 1, 3, 4, 5, 6, late August-early October

HYDRAECIA Guèneé, 1841

immanis Guèneé, 1852. Divisions 4, 5, 6, late August-early October
micacea (Esper, 1789). Statewide, August
stramentosa Guèneé, 1852. Statewide, mid August-mid September

ACHATODES Guèneé, 1852

zea (Harris, 1841). Divisions 4, 5, 6, mid July-mid August

IODOPEPLA Franclemont, 1964

u-album (Guèneé, 1852). Divisions 4, 5, late May-early August

BELLURA Walker, 1865

gortynoides Walker, 1865. Divisions 1, 2, 3, early June-mid August
bremae (Barnes & McDunnough, 1916). Division 2, mid June
obliqua (Walker, 1865). Statewide, late May-late June
densa (Walker, 1865). Divisions 4, 5, 6, July

EUPLEXIA Stephens, 1829

beneximilis McDunnough, 1922. Statewide, early June-mid August

PHLOGOPHORA Treitschke, 1825

iris Guèneé, 1852. Statewide, early June-early July
periculosa Guèneé, 1852. Statewide, August

CONSERVULA Grote, 1874

anodontia (Guèneé, 1852). Divisions 1, 2, 4, July

ENARGIA Hübner, 1821
9549 decolor (Walker, 1858). Divisions 1, 2, 3, 4, early August-late September
9550 infumata (Grote, 1874). Divisions 2, 4, early August
9551 mephisto Franclemont, 1939. Statewide, July

IPIMORPHA Hübner, 1821
9555 pleunectusa Grote, 1873. Divisions 2, 3, 4, 5, August-early September

CHYTTONIX Grote, 1874
9556 palliatriclea (Gueneé, 1852). Statewide, early June-mid August
9557 sensilis Grote, 1881. Divisions 2, 4, mid July-mid August

DYPTERYGIA Stephens, 1829
9560 rozmani Berio, 1974. Divisions 4, 5, 6, mid June-mid August

HYPPA Duponchel, 1845
9578 xylinoides (Gueneé, 1852). Statewide, early June-late August

NEDRA Clarke, 1940
9582 ramosula (Gueneé, 1852). Divisions 3, 4, 5, 6, early May-mid August

PROPERIGEA Barnes & Benjamin, 1926
9589 costa (Barnes & Benjamin, 1923). Division 6, late July-early August

PHOSPHILA Hübner, 1818
9619 miseloioides (Gueneé, 1852). Divisions 5, 6, early June-early August

TRACHEA Ochsenheimer, 1816
9626 delicata (Grote, 1874). Divisions 3, 5, 6, mid July-late August

FAGITANA Walker, 1865
9629 littera (Gueneé, 1852). Divisions 3, 4, 5, mid June-early July

CALLOPISTRIA Hübner, 1821
9631 mollissima (Gueneé, 1852). Statewide, early June-mid August
9633 cordata (Ljungh, 1825). Divisions 1, 2, 3, 4, mid June-mid August

MAGUSA Walker, 1857
9637 orbifera (Walker, 1857). Statewide, early August-late October

AMPHIPYRA Ochsenheimer, 1816
9638 pyramidoides Gueneé, 1852. Statewide, early August-late October
9639 tragopoginis (Clerck, 1759). Statewide, mid July-late September
9640 glabella (Morrison, 1874). Divisions 2, 5, 6, mid June-July

ATHETIS Hübner, 1821
9647 miranda (Grote, 1873). Statewide, late May-mid August
9649 mendosa (McDunnough, 1927). Divisions 1, 4 early July-late August

ANORTHODES Smith, 1891
9650 tarda (Gueneé, 1852). Division 6, late May

CARADRINA Ochsenheimer, 1816
9654 meralis (Morrison, 1875). Divisions 2, 3, 4, 6, mid August-mid September
9656 extima (Walker, 1865). Divisions 1, 5, early July-August
9657 multifera (Walker, 1857). Divisions 1, 2, 3, late August

CRAMBODES Gueneé, 1852
9661 talidiformis Gueneé, 1852. Divisions 4, 5, 6, late May-late August

BALSA Walker, 1860
9662 malana (Fitch, 1856). Divisions 3, 4, 5, early May-early August
9663 tristrigella (Walker, 1866). Divisions 4, 5, 6, early June
9664 labecula (Grote, 1880). Statewide, early June-mid July

SPODOPTERA Gueneé, 1852
9666 frugiperda (J. E. Smith, 1797). Statewide, mid August-mid October
9669 *ornithogalli* (Guèneé, 1852). Divisions 3, 4, 5, 6, mid August-mid October

**ELAPHRIA** Hübner, 1818
9678 *versicolor* (Grote, 1875). Divisions 1, 2, 5, 6, early July-mid August
9680 *georgii* (Moore & Rawson, 1939). Divisions 1, 2, 6, mid May-mid June
9681 *festivoides* (Guèneé, 1852) complex. Statewide, mid May-mid July
9684 *grata* Hübner, 1818. Divisions 3, 5, 6, mid May-early September

**GALGULA** Guèneé, 1852
9685 *partita* Guèneé, 1852. Statewide, mid May-mid October

**PERIGEA** Guèneé, 1852
9689 *xanthioides* Guèneé, 1852. Division 6, early June

**CONDICA** Walker, 1856
9690 *videns* (Guèneé 1852). Divisions 4, 5, 6, early June-mid August
9696 *vecors* (Guèneé, 1852). Statewide, early May-mid September

**OGDOCONTA** Butler, 1891
9720 *cineola* (Guèneé, 1852). Divisions 3, 4, 5, 6, late June-early September

**STIRIODES** Hampson, 1908
9725 *obtusa* Herrich-Schäffer, 1854. Division 6, late June-early July

**PLAGIOMIMICUS** Grote, 1873
9754 *pityochromus* Grote, 1873. Division 6, August

**COSMIA** Ochsenheimer, 1816
9815 *calami* (Harvey, 1876). Statewide, July-early August

**AMOLITA** Grote, 1874
9818 *fessa* Grote, 1874. Divisions 4, 5, late June-mid July

**Cuculliinae**

**XYLENA** Ochsenheimer, 1816
9873 *nupera* (Lintner, 1874). Divisions 2, 4, late September-mid April
9874 *curvimacula* (Morrison, 1874). Statewide, mid September-early May
9875 *thoracica* (Putnam-Cramer, 1886). Divisions 2, 4, mid September-mid April
9876 *cineritia* (Grote, 1875). Divisions 2, 4, mid September-mid April

**LITHOMOIA** Hübner, 1821
9878 *germana* (Morrison, 1874). Divisions 1, 2, 3, 4, 5, late August-late September

**HOMOGLAEA** Morrison, 1876
9881 *hircina* Morrison, 1876. Divisions 2, 4, late March-late April

**LITHOLOMIA** Grote, 1875
9884 *napaea* (Morrison, 1874). Division 2, mid September-early May

**LITHOPHANE** Hübner, 1821
9885 *semiusta* Grote, 1874. Divisions 2, 4, 6, mid September-early May
9886 *patefacta* (Walker, 1858). Divisions 2, 5, 6, October-April
9887 *bethunei* (Grote & Robinson, 1868). Divisions 2, 4, 5, 6, late September-early April
9887.1 *franclemonti* Metzler, 1998. Divisions 4, 6, October-April
9888 *innominata* (J. B. Smith, 1893). Division 2, mid September-early April
9889 *petulca* Grote, 1874. Divisions 1, 2, 6, late September-April
9891 *amanda* (J. B. Smith, 1900). Divisions 2, 3, 6, mid September-mid April
9892 *disposita* Morrison, 1874. Divisions 1, 2, 6, late September-early April
9893 *hemina* Grote, 1874. Statewide, late September-April
9894 *oriunda* Grote, 1874. Divisions 4, 6, late September-March
9899.1 *near lemmeri* (Barnes & Benjamin, 1929). Division 2, mid October
9902 baileyi Grote, 1877. Division 2, late September-early May
9904.1 near querquera Grote, 1874. Division 6, mid April
9909 tepida Grote, 1874. Divisions 2, 4, late September-mid April
9910 antennata (Walker, 1858). Divisions 2, 4, 5, 6, late September-April
9914 laticinerea Grote, 1874. Divisions 2, 5, October-March
9915 grotei Riley, 1882. Divisions 2, 3, 6, October-April
9916 unimoda (Lintner, 1878). Divisions 2, 4, 6, October-mid May
9917 fagina Morrison, 1874. Divisions 1, 2, 4, late September-early May
9922 pexata Grote, 1874. Divisions 1, 2, 4, late September-mid May
9928 theaxteri Grote, 1874. Divisions 2, 4, mid September-May

PYREFERRA Franclemont, 1937
9929 hesperidago (Gueneé, 1852). Divisions 2, 3, 5, 6, October-April
9930 citromba Franclemont, 1941. Divisions 2, 3, 4, 6, late September-late April
9932 pettiti (Grote, 1874). Divisions 2, 5, 6, late September-early May

EUPSIILIA Hübner, 1821
9933 vindenta (Grote, 1864). Statewide, October-April
9933.1 sidus (Gueneé, 1852). Divisions 4, 5, 6, late September-mid April
9933.2 n. sp. Schweitzer (near sidus (Gueneé, 1852)). Divisions 4, 6, late September-mid April
9935 tristignata (Grote, 1877). Divisions 2, 4, 5, 6, October-late April
9936 morrsionii (Grote, 1874). Divisions 2, 4, 6, October-late April
9939 devia (Grote, 1875). Divisions 2, 4, 5, late October-late May

YSTOPEPLUS Franclemont, 1937
9942 rufago (Hübner, 1818). Divisions 4, 6, late September-mid May

METAXAGLAEA Franclemont, 1937
9943 inulta (Grote, 1874). Divisions 3, 4, 5, 6, September-early October

EPIGLAEA Grote, 1878
9946 decliva (Grote, 1874). Divisions 4, 5, 6, early October-early November
9947 apiata (Grote, 1874). Divisions 1, 2, 4, early September-October

CHAETAGLAEA Franclemont, 1943
9948 cerata Franclemont, 1943. Divisions 2, 4, 6, late September-early October
9950 sericea (Morrison, 1874). Divisions 2, 4, 6, late September-October

PSECTRAGLAEA Hampson, 1906
9951 carnosa (Grote, 1877). Division 2, late September

EUCIRROEDIA Grote, 1875
9952 pampina (Gueneé, 1852). Statewide, September

SUNIRA Franclemont, 1950
9957 bicolorago (Gueneé, 1852). Statewide, mid September-early November

ANATHIX Franclemont, 1937
9961 ralla (Grote & Robinson, 1868). Statewide, late August-late September
9962 puta (Grote & Robinson, 1868). Divisions 2, 4, 5, 6, early September
9963 aggressa (J. B. Smith, 1907). Divisions 3, 5, 6, mid-September

XANTHIA Ochsenheimer, 1816
9965 near togata (Esper, 1788). Statewide, mid-September-early October

HILLIA Grote, 1883
9967 iris (Zetterstedt, 1839). Divisions 1, 3, 5, September

PLATYPOLIA Grote, 1895
9976 anceps (Stephens, 1850). Divisions 2, 3, late September

34
XYLOTYPE Hampson, 1906
9979 acadia Barnes & Benjamin, 1922. Divisions 1, 2, 4, September
SUTYNA Todd, 1958
9989 privata (Walker, 1857). Divisions 1, 2, 4, 5, late August-late September
PACHYPOLIA Grote, 1874
9992 atricornis Grote, 1874. Divisions 2, 6, mid-September-mid October
BRACHYLOMIA Hampson, 1906
9998 algens (Grote, 1878). Divisions 1, 2, 3, 4, 5, late July-late August
9999 discinigra (Walker, 1856). Division 2, late August
FERALIA Grote, 1874
10005 jocosa (Guenee, 1852). Division 2, April
10007 major J. B. Smith, 1890. Divisions 2, 4, early April-early May
10008 comstocki (Grote, 1874). Divisions 1, 2, 3, 4, early April-early June
BRACHIONYCHA Hübner, 1819
10011 borealis (J. B. Smith, 1899). Divisions 2, 4, early April-early May
PSAPHIDA Walker, 1865
10012 electilis (Morrison, 1875). Divisions 5, 6, April
10013 grandis (J. B. Smith, 1898). Divisions 4, 5, 6, late March-late April
10014 rolandi (Grote, 1874). Divisions 2, 4, 6, late March-late April
10016 styracis (Guenee, 1852). Divisions 4, 6, late March-mid April
10019 resumens Walker, 1865. Divisions 4, 6, late March-mid April
10020 thaxteriana (Grote, 1874). Divisions 4, 6, late March-early April
COP/VALERIA Grote, 1883
10021 grotei (Morrison, 1874). Divisions 2, 5, 6, April
CATEBENA Walker, 1865
10033 lineolata Walker, 1865. Divisions 3, 4, 5, 6, mid May-mid August
APHARETRA Grote, 1901
10055 dentata (Grote, 1875). Divisions 1, 2, 4, early July-early August
HOMOHADENA Grote, 1873
10059 badistriga (Grote, 1872). Divisions 3, 4, 5, 6, early July-early August
10065 infixa (Walker, 1856). Division 2, early July
ADITA Grote, 1874
10067 chionanthi (J. E. Smith, 1797). Division 6, late August-mid September
ONCOCNEMIS Lederer, 1853
10099 saundersiana Grote, 1876. Division 4, late August
10108 viriditincta J. B. Smith, 1894. Division 4, late August-mid September
10123 piffardi (Walker, 1862). Division 2, mid August
10135 riparia Morrison, 1875. Divisions 1, 2, 3, 4, 6, late June-late July
LEPIPOLYS Gueneé, 1852
10154 perscripta Gueneé, 1852. Division 4, late May-early June
CUCULLIA Schrank, 1802
10190 speyeri Lintner, 1874. Divisions 2, 6, mid July
10194 intermedia Speyer, 1870. Divisions 2, 3, mid June-early July
10197 florea Gueneé, 1852. Divisions 2, 3, mid June-mid July
10198 postera Gueneé, 1852. Division 2, early July-early August
10200 asteroides Gueneé, 1852. Divisions 2, 3, 5, 6, mid July-early August
10202 convexipennis Grote & Robinson, 1868. Divisions 1, 2, 4, 6, July
Hadeninae

DISCESTRA Hampson, 1905
10223 trifolii (Hufnagel, 1766). Statewide, late May-late September

TRICHOCLEA Grote, 1883
10263 artesta (J. B. Smith, 1903). Divisions 3, 6, mid June-mid August

SIDERIDIS Hübnner, 1821
10265 rosea (Harvey, 1874). Statewide, mid May-late June
10266 congermane (Morrison, 1874). Division 4, late May-early June
10268 maryx (Guenée, 1852). Divisions 1, 2, 4, late May-early June

POLIA Ochsenheimer, 1816
10275 nimbosa (Guenée, 1852). Divisions 1, 2, 3, July
10276 imbrifera (Guenée, 1852). Statewide, late June-July
10280 purpurisata (Grote, 1864). Statewide, late July-August
10288 detracta (Walker, 1857). Statewide, mid June-mid August

MELANCHRA Hübnner, 1820
10292 adjuncta (Guenée, 1852). Statewide, early May-mid August
10293 picta (Harris, 1841). Divisions 3, 4, 5, 6, early June-late August
10294 pulverulenta (J. B. Smith, 1888). Divisions 1, 2, early June-late July
10295 assimilis (Morrison, 1874). Divisions 2, 3, 4, late May-late July

LACANOBIA Billberg, 1820
10296 nevadae (Grote, 1876). Divisions 1, 2, June
10297 atlantica (Grote, 1874). Divisions 1, 2, 3, 4, 5, late May-mid August
10298 radix (Walker, 1857). Divisions 1, 2 June
10299 subjuncta (Grote & Robinson, 1868). Divisions 3, 4, 5, 6, early June-early September

SPIRAMETER McCabe, 1980
10300 grandis (Guenée, 1852). Divisions 1, 2, 3, 4, 6, mid May-June
10301 lutea (Guenée, 1852). Divisions 1, 2, 3, 4, late May-early July

TRICHORDESTRA McCabe, 1980
10302 rugosa (Morrison, 1875). Divisions 1, 2, 4, June
10303 tacoma (Strecker, 1900). Divisions 1, 2, 3, late May-late June
10304 legitima (Grote, 1864). Statewide, early July-mid August
10307 lilacina (Harvey, 1874). Divisions 2, 3, 5, early July-late August

PAPESTRA Sukhareva, 1972
10310 quadrata (J. B. Smith, 1891). Division 2, late May-early June
10311 biren (Goeze, 1781). Division 2, mid June

HADENA Schrank, 1802
10317 capsularis (Guenée, 1852). Divisions 4, 6, June

ANARTA Ochsenheimer, 1816
10332 luteola Grote & Robinson, 1865. Division 2, late May

LACINIPOLIA McDunnough, 1937
10368 meditata (Grote, 1873). Statewide, mid August-mid September
10370 lastralis (Grote, 1875). Divisions 1, 2, 3, 4, late June-early July
10372 anguina (Grote, 1881). Divisions 1, 2, 3, 4, 6, late May-mid June
10394 vicina (Grote, 1874). Divisions 1, 2, 3, 4, 6, mid July-mid August
10397 renigera (Stephens, 1829). Statewide, June-September
10405 lorea (Guenée, 1852). Statewide, mid June-mid July
10406 olivacea (Morrison, 1874). Statewide, early August-mid September
10414  *implicata* McDunnough, 1937. Division 6, late August-early September

**FARONTA** J. B. Smith, 1908

10431  *diffusa* (Walker, 1856). Statewide, early May-late August

10434  *rubripennis* (Grote & Robinson, 1870). Divisions 5, 6, August

**ALETIA** Hübner, 1821

10436  *oxygala* (Grote, 1881). Statewide, June-early September

**PSEUDALETIA** Franclemont, 1951

10438  *unipuncta* (Haworth, 1809). Statewide, mid April-mid October

**LEUCANIA** Ochsenheimer, 1816

10440  *limita* Guenée, 1852. Divisions 1, 2, 4, 5, early June-early September

10444  *phragmitidicola* Guenée, 1852. Statewide, mid May-mid September

10445  *linda* Franclemont, 1952. Divisions 3, 4, 5, 6, June-late September

10446  *multilinea* Walker, 1856. Statewide, mid June-late August

10446.1  *lapidaria* (Grote, 1876). Statewide, mid June-August

10447  *commoides* Guenée, 1852. Statewide, late June-early August

10449  *insueta* Guenée, 1852. Statewide, mid June-late July

10456  *adjuta* (Grote, 1874). Division 5, mid October

10459  *inermis* (Forbes, 1936). Divisions 4, 5, 6, June

10461  *ursula* (Forbes, 1936). Division 6, late August

10462  *pseudargyria* Guenée, 1852. Statewide, July

**STRETCHIA** Hy. Edwards, 1874

10471  *plusiaeformis* Hy. Edwards, 1874. Division 2, mid April

**ORTHOSIA** Ochsenheimer, 1816

10487  *rubescens* (Walker, 1865). Divisions 2, 4, 6, mid April-late May

10488  *garmani* (Grote, 1879). Divisions 2, 4, 6, April

10490  *revicta* (Morrison, 1876). Statewide, mid April-late May

10491  *alurina* (J. B. Smith, 1902). Divisions 4, 5, 6, early April-mid May

10493  *segregata* (J. B. Smith, 1893). Division 3, mid May

10495  *hibisci* (Grote, 1852). Statewide, early April-early May

**CROCIGRAPHA** Grote, 1875

10501  *normani* (Grote, 1874). Statewide, late April-late June

**EGIRA** Duponchel, 1845

10513  *dolosa* (Grote, 1880). Statewide, mid April-late May

**ACHATIA** Hübner, 1813

10518  *distincta* Hübner, 1813. Statewide, late April-late May

**MORRISONIA** Grote, 1874

10520  *evicta* (Grote, 1873). Statewide, late April-late May

10521  *confusa* (Hübner, 1827-31). Divisions 4, 5, 6, late April-late May

10521.1  *latex* (Guenée, 1852). [formerly 10291] Statewide, mid May-late June

**NEPHELODES** Guenée, 1852

10524  *minians* Guenée, 1852. Statewide, mid August-mid September

**ANHIMELLA** McDunnough, 1943

10530  *contrahens* (Walker, 1860). Divisions 2, 4, 5, mid June-mid July

**HOMORTHODES** McDunnough, 1943

10532  *furfurata* (Grote, 1875). Divisions 2, 4, 6, July

**PROTORTHODES** McDunnough, 1943

10552  *incincta* (Morrison, 1874). Statewide, late August-mid September
10553 *saturnus* (Strecker, 1900). Type specimen is from Wisconsin. Possibly a synonym of *P. incinta*.

10563 *ovidua* (Gueneé, 1852). Statewide, late May-late June

**ULOLONCHE** J. B. Smith, 1888

10567 *culea* (Gueneé, 1852). Divisions 2, 4, 6, mid May-mid June

10569 *modesta* (Morrison, 1874). Statewide, early May-early June

**PSEUDORTHODES** Morrison, 1874

10578 *vecors* (Gueneé, 1852). Divisions 2, 4, 5, 6, early June-mid July

**ORTHODES** Gueneé, 1852

10585 *crenulata* (Butler, 1890). Statewide, July

10587 *cynica* Gueneé, 1852. Statewide, late May-early July

10589.1 *goodelli* (Grote, 1875). [formerly 10289] Statewide, late May-mid July

10589.2 *obscura* (J. B. Smith, 1888). [formerly 10290] Statewide, mid May-mid June

**TRICHIOLITA** Grote, 1875

10627 *signata* (Walker, 1860). Statewide, early August-early September

10628 *notata* Strecker, 1898. Divisions 4, 5, 6, late August-early September

**Noctuinae**

**AGROTIS** Ochsenheimer, 1816

10641 *vetusta* Walker, 1865. Statewide, mid August-late September

10648 *gladiaria* Morrison, 1874. Divisions 3, 4, 5, 6, September

10651 *venerabilis* Walker, 1857. Statewide, September

10658 *stignosa* Morrison, 1874. Divisions 4, 5, mid May-early June

10659 *volubilis* Harvey, 1874. Divisions 1, 2, 3, 4, late May-mid June

10663 *ipsilon* (Hufnagel, 1766). Statewide, mid May-September

**FELTIA** Walker, 1856

10676 *jaculifera* (Gueneé, 1852). Statewide, mid August-mid September

10674 *subgothica* (Haworth, 1809). Statewide, early August-early September

10675 *tricesa* (Lintner, 1874). Divisions 4, 5, 6, early August-early September

10676 *herilis* (Grote, 1873). Statewide, late July-early September

**COPABLEPHARON** Harvey, 1878

10689 *longipenne* Grote, 1882. Division 3, mid August

**EUCOPTOCNEMIS** Grote, 1874

10694 *fimbriaris* (Gueneé, 1852). Divisions 3, 4, 5, 6, mid September

**TRICHOSILIA** Hampson, 1918

10698.2 *geniculata* (Grote & Robinson, 1868). [formerly 10680] Statewide, early August-mid September

10698.5 *mollis* (Walker, 1857). [formerly 10644] Divisions 1, 2, 4, mid July-mid August

**MESEMBRAGROTIS** Barnes & Benjamin, 1927

10701.1 new species. Divisions 5, 6, late August

**EUXOA** Hübner, 1821

10702 *dvergens* (Walker, 1857). Divisions 1, 2, late June-late July

10703 *sinequina* Hardwick, 1965. Division 1, late July

10705 *messoria* (Harris, 1841). Divisions 2, 3, 4, 5, late August-late September

10714 *quebecensis* (J. B. Smith, 1900). Division 1, late June

10715 *scandens* (Riley, 1869). Statewide, late June-July

10716 *aurulenta* (J. B. Smith, 1888). Division 3, mid June-early July
pleuritica (Grote, 1876). Divisions 1, 2, 3, mid July-mid August
lidia thanatologia (Dyar, 1904). Divisions 2, 3, 4, mid June-mid August
auxiliaris (Grote, 1873). Division 2, early June
mimallonis (Grote, 1873). Divisions 1, 2, 4, early August-early September
intrita (Morrison, 1874). Division 1, late August
immixta (Grote, 1881). Division 6, July
declarata (Walker, 1865). Divisions 1, 2, 4, 6, late August-mid September
scholastica McDunnough, 1920. Divisions 5, 6, late June-late July
ochrogaster (Guenee, 1852). Division 2, August
tessellata (Harris, 1841). Statewide, late June-mid August
albipennis (Grote, 1876). Statewide, late August-mid September
bostoniensis (Grote, 1874). Division 5, late September
medialis (J. B. Smith, 1888). Division 6, late September
obeliscoides (Guenee, 1852). Divisions 5, 6, mid August-early September
nivilinea (Grote, 1882). Divisions 4, 5, 6, mid September
detersa personata (Grote, 1876). Statewide, late June-August
redimicula (Morrison, 1874). Divisions 3, 4, 5, 6, late July-late August
servita (J. B. Smith, 1895). Divisions 2, 4, 6, early July-late August
manitobana McDunnough, 1925. Divisions 1, 3, 4, July
perpolita (Morrison, 1876). Divisions 2, 4, late August-mid September
RICHIA Grote, 1887
grotei (Franclemont & Todd, 1983). Division 6, mid August-early September
OCROPLEURA Hübner, 1821
implecta Lafontaine, 1998. Statewide, late May-August
EUAGROTIS McDunnough, 1929
forbesi Franclemont, 1952. Statewide, early June-July
illapsa (Walker, 1857). Divisions 4, 5, 6, late May-late August
tenuescens (J. B. Smith, 1890). Division 6, late July
PERIDROMA Hübner, 1821
saucia (Hübner, 1803-08). Statewide, April-November
DIARSA Hübner, 1821
rubifera (Grote, 1875). Divisions 1, 2, 3, 4, late June-early August
jucunda (Walker, 1857). Divisions 1, 2, 3, July
rosaria (Grote, 1878). Divisions 1, 2, mid June-early July
ACTEBIA Stephens, 1829
fennica (Tauscher, 1806). Divisions 1, 2, 3, 4, late August
SPAELOTIS Boisduval, 1840
clandestina (Harris, 1862). Statewide, mid June-mid September
GRAPHIPHORA Ochsenheimer, 1816
augur (Fabricius, 1775). Divisions 1, 2, 3, 4, early July-early August
EUROIS Hübner, 1821
occulta (Linnaeus, 1758). Divisions 1, 2, 3, mid July-late August
astricta Morrison, 1874. Divisions 1, 2, 3, 4, late July-late August
XESTIA Hübner, 1818
c-nigrum (Linnaeus, 1758). Statewide, early June-early October
dolosa Franclemont, 1980. Statewide, late May-mid September
normaniana (Grote, 1874). Statewide, early August-early September
COENOPHILA Stephens, 1850

10944 smithii (Snellen, 1896). Statewide, mid August-mid September
10947 obliqua (Morrison, 1875). Divisions 1, 2, early July
10968 badicollis (Grote, 1873). Statewide, late August-early September
10968.1 praevia Lafontaine, 1998. Divisions 1, 2, 4, late July-late August
10970 youngii (J. B. Smith, 1902). Divisions 1, 2, 3, 4, late August-early September

AGNORISMA Lafontaine, 1998

10988 opacifrons (Grote, 1878). Divisions 1, 2, 3, 4, 5, mid August-early September

PSEUDOHERMONASSA Varga, 1990

10988.1 badinodis (Grote, 1874). [formerly 10955] Divisions 5, 6, September
10988.3 bugrai (Kocak, 1983). [formerly 10954] Statewide, late August-early September

PARADIARIA McDunnough, 1929

10992 littoralis (Packard, 1867). Division 2, mid June-early July

HEMIPACHNOBIA McDunnough, 1929

10993.1 monochromatea (Morrison, 1874). Divisions 1, 2, 3, 4, late May-late June

CERASTIS Ochsenheimer, 1816

10994 tenebrioides (Walker, 1865). Divisions 2, 6, early April-early May
10996 salicaria (Walker, 1857). Divisions 2, 3, 6, mid April-early May
10997 fishii (Grote, 1878). Division 1, 2, 3, early May-late June

APLECTOIDES Butler, 1878

10999 condita (Guenée, 1852). Divisions 1, 2, late May-late June

ANAPLECTOIDES McDunnough, 1929

11000 prasina (Denis & Schiffermüller, 1775). Statewide, early July-early August
11001 pressus (Grote, 1874). Divisions 1, 2, 3, late June-mid July

CHERSOTIS Boisduval, 1840

11003 juncta (Grote, 1878). Division 2, early August

PROTOLAMPRA McDunnough, 1929

11004 raefeni (Morrison, 1875). Divisions 2, 4, mid August-early September
11006 brunniceollis (Grote, 1865). Statewide, mid July-late September

EUERETAGROTIS J. B. Smith, 1890

11007 sigmoides (Guenée, 1852). Divisions 1, 2, 3, 6, July
11008 perattenta (Grote, 1876). Divisions 1, 2, 3, 4, 6, late June-July
11009 attenta (Grote, 1874). Statewide, July

LYCOPHOTIA Hübner, 1821

11010 phyllophora (Grote, 1874). Divisions 1, 2, 3, 4, July

CRYPTOCALA Benjamin, 1921

11012 acadiensis (Bethune, 1870). Statewide, mid July-mid August

NOCTUA Linnaeus, 1758

11012.1 pronuba (Linnaeus, 1758). Statewide, mid June-August

ABAGROTIS J. B. Smith, 1890

11029 alternata (Grote, 1864). Statewide, mid July-September
11043 cupida (Grote, 1865). Statewide, late July-mid September
11044 brunneipennis (Grote, 1875). Divisions 1, 2, 3, early July-late August
11045 anchocelioides (Guenée, 1852). Statewide, early July-early September
UFEUS Grote, 1873
11052 plicatus Grote, 1873. Division 5, September-October

Heliothinae

PYRRHIA Hübner, 1821
11063 adela Lafontaine & Mikkola, 1996. Divisions 5, 6, mid June-early August
11064 exprimens (Walker, 1857). Divisions 1, 2, 3, 4, early June-early July

RHODOECIA Hampson, 1910
11065 aurantiago (Guenée, 1852). Division 6, late July-mid August

HELICOVERPA Hardwick, 1965
11068 zea (Boddie, 1850). Statewide, mid August-mid October

HELIOTHIS Ochsenheimer, 1816
11070 subflexus Gueneé, 1852. Divisions 4, 6, mid June-mid August
11072 philoxiphus Grote & Robinson, 1867. Divisions 2, 6, mid May-mid September
11072 acesias Felder & Rogenhofer, 1872. Divisions 3, 4, 6, mid June-mid September
11081 borealis (Hampson, 1903). Divisions 2, 4, mid May

SCHINIA Hübner, 1818
11095 indiana (J. B. Smith, 1908). Division 4, late May-early June
11105 bina (Gueneé, 1852). Divisions 2, 4, mid June
11110 septentrionalis (Walker, 1858). Divisions 5, 6, late August-early September
11117 lynx (Gueneé, 1852). Divisions 4, 5, 6, mid July-early September
11118 obscurata Strecker, 1898. Divisions 3, 4, 5, 6, mid June-late July
11128 arciger (Gueneé, 1852). Statewide, mid August-mid September
11131 mortua (Grote, 1865). Division 6, late August
11132 jaguarina (Gueneé, 1852). Division 6, early June-mid July
11135 rivulosa (Gueneé, 1852). Divisions 3, 4, 5, 6, late July-August
11141 theoreai (Grote & Robinson, 1870). Division 6, late July
11148 oleagina Morrison, 1875. Divisions 5, 6, mid August
11149 trifascia Hübner, 1818. Divisions 3, 4, 5, 6, late August
11164 floridensis (Gueneé, 1852). Statewide, late July-late August
11174 lucens (Morrison, 1875). Divisions 4, 5, 6, late June-mid July
11177 nundina (Drury, 1773). Divisions 3, 4, 6, late July-late August
11179 tertia (Grote, 1874). Division 2, late August
11199 chrysella (Grote, 1874). Division 4, mid September

DISCUSSION

A considerable amount of field work in a variety of habitat types remains to be done, in order to more accurately determine the habitat association, range and status of many infrequently encountered moth species. While sufficient data exists to support classifying species as common or abundant, there is considerable uncertainty whether or not poorly documented species are truly rare. Past experience has shown that for many such species, apparent rarity was an artifact of insufficient searching, lack of knowledge of habitat association and seasonal occurrence, or species not readily obtainable by customary collecting methods. The preponderance of specimens providing documentation for this list were collected at light. Other methods, such as the use of sugar bait, netting from flowers or searching by day, often obtain
species not readily attracted to light, indicating that reliance on a single collecting method can strongly bias sampling results.

The great diversity of moths found in Wisconsin is a reflection of the state’s geographic position and wide variety of habitats. Curtis (1959) indicates that floristic elements of the eastern deciduous forest region, the boreal region and the prairie region meet and intermingle in the state, which is a significant factor responsible for the corresponding richness of the moth fauna. A number of Wisconsin’s most distinctive, and in some cases most limited, native habitat types have been systematically and intensively surveyed for moths. Particular effort has been made to thoroughly inventory large and typical examples of each. Records of heretofore unusual, infrequently encountered species consistently associated with replicated study sites, along with available information on larval host plant specificity, form the basis for associating the moth species with habitat type. These correlations were aided by the list and tables appearing in Curtis (1959) indicating the habitat or community in which plant species occur and achieve their maximum presence. A number of moth species occur more broadly in related habitat types. For example, sand prairie, pine barrens and dune habitats have a significant commonality of moth fauna. The classification and plant species composition information for the habitats discussed below is from Curtis (1959).

**Dry Prairie:** Isolated remnants occur on steep, rocky limestone-capped bluffs, with most sites located in the Southwestern Upland division. Dominant grasses include little bluestem, side-oats grama, Indian grass and northern dropseed. Other characteristic plants include leadplant, milkweeds, asters, goldenrods and blazing star. Moth species strongly associated with dry prairie include *Digrammia ordinata* (6356), *Apantesis carlotta* (8171.1), *Grammia figurata* (8188), *Cynia inopinatus* (8228), *Catocala abbreviatella* (8841), *Catocala whitneyi* (8843), *Catocala amestris* (8844), *Tarachidia binocula* (8089), *Apamea burgessii* (9378), *Apamea relicina* (9380), *Euxoa immixta* (10753), *Richia grotei* (10869), *Schinia oleagina* (11148), and *Schinia lucens* (11174).

**Sand Prairie:** The most extensive remaining sites occur on dry, level sand terraces along the lower Wisconsin River in the Southwestern Upland division, an area referred to as the “Wisconsin Desert.” Dominant grasses include little bluestem and June grass. Characteristic of this habitat are stands of prickly-pear cactus and wind-carved sand blowouts with false heather. Moth species associated with sand prairie include *Digrammia eremiata* (6357), *Crambidia casta* (8051), *Crambidia pura* (8052), *Apantesis carlotta* (8171.1), *Grammia phyllira* (8194), *Grammia oithona* (8195), *Grammia arge* (8199), *Cynia inopinatus* (8228), *Phytometra ernestinana* (8480), *Drasteria graphica atlantica* (8618a), *Catocala abbreviatella* (8841), *Cynia whitneyi* (8843), *Catocala amestris* (8844), *Tarachidia binocula* (9089), *Apamea relicina* (9380), *Apamea burgessii* (9378), *Caradrina meralis* (9654), *Oncocnemis riparia* (10135), *Eucoptocnemis fimbriaris* (10694), *Euxoa scandens* (10715), *Euxoa velleripennis* (10803), *Euxoa albipennis* (10807), *Euxoa niveilinea* (10831), *Schinia lynx* (11117), and *Schinia lucens* (11174).

**Great Lakes Beach and Dunes:** These sparsely vegetated habitats occur on the shores of Lakes Michigan and Superior. Indicator plants include beachgrass, beach pea, wormwood, and creeping juniper. Bearberry and false heather are prominent on Lake Superior dunes. Moth species unique to or characteristic of dunes include *Thera contractata* (7218), *Crambidia casta* (8051), *Grammia phyllira* (8194), *Grammia oithona* (8195), *Drasteria graphica atlantica* (8618a), *Apamea inordinata* (9353), *Caradrina multifera* (9657), *Oncocnemis riparia* (10135),
Trichoclea artesta (10263), Copablepharon longipenne (10689), Eucoptocnemis fimбриaris (10694), Euxoa quebecensis (10714), Euxoa aurulenta (10716), and Euxoa intrita (10749)

**Pine Barrens:** Occurring in the Central Plains and Northern Highland divisions, this habitat consists of dry, sandy open areas with scattered scrubby jack pine and Hill's oak. Indicator species comprising the groundlayer flora include blueberry, bearberry, sweetfern, wild lupine, downy phlox, puccoon and New Jersey tea. Sites in the Central Plains and western Burnett County contain a large proportion of prairie plants, with the prevalence of prairie plants lessening in sites located to the north and east. Moths associated with pine barrens include Apodrepanulatrix liberaria (6693), Erastria coloria ria (6704), Hemaris gracilis (7854), Schizura apicalis (8009), Crambidia casta (8051), Crambidia pura (8052), Spilosoma dubia (8136), Grammia celia (8187), Pygargidia spraguei (8254), Cerma cora (9061), Bagisara rectifascia (9169), Acronicta quadrata (9224), Selicanis cinereola (9430), Chytonix sensilis (9557), Caradrina meralis (9875), Xylena thoracica (9876), Epiglaea apiata (9947), Psectraglaea carnosa (9951), Oncocnemis saundersiana (10099), Oncocnemis viriditincta (10108), Lepipolis perscripta (10154), Sideridis congermana (10266), Sideridis marx (10268), Euxoa perpolita (10865), Xestia youngii (10970), Cerastis fishii (10997), Schinia indiana (11095), and Schinia bina (11105).

**Peat Bog:** Occurring most frequently in northern Wisconsin and defined by a continuous sphagnum moss groundlayer on a wet, acid peat soil, bogs can be classified into several types. They range from floating lake edge sphagnum mats supporting cranberry, pitcher plant and sundews to muskegs characterized by tussocks with leatherleaf, bog laurel and bog rosemary to swamp conifer forests having nearly closed canopies of tamarack and black spruce. Associated moth species include Macaria sulfurea (6283), Macaria truncataria (6321), Macaria sexmaculata (6343), Macaria submarmorata (6350), Macaria oweni (6351), Eufidonia discospilata (6639), Hyalophora columbia (7768), Holomelina lamae (8120), Spilosoma dubia (8136), Grammia speciosa (8175.1), Chrysonympha formosa (8904), Syngrapha montana (8945), Syngrapha microgramma nearctica (8946a), Exyra fax (9021), Eremobina claudens (9396), Oligia minuscula (9416), Chortodes basistriga (9439), Papaipema appassionata (9493), Epiglaea apiata (9947), Melanchra pulverulenta (10294), Trichoderestra rugosa (10302), Anarta luteola (10332), Xestia oblata (10947), Xestia youngii (10970), Coenophila opacifrons (10988), Hemipachnobia monochromatea (10993.1), Cerastis fishii (10997), and Heliothis borealis (11081).

**Wet Prairie:** Characterized by a flora including big bluestem, blue joint grass, cordgrass, wild rye, prairie dock, compass plant, blazing star, coneflowers, sunflowers, goldenrods and asters, most remaining examples of wet-mesic to wet prairie occur in southeastern Wisconsin. The relatively few moth species appearing to be strongly associated with wet prairies include Luperina stipata (9393), Spartiniphaga inops (9435), Chortodes enervata (9441), Papaipema necopina (9497), Papaipema silphi (9498), Papaipema maritima (9500), Papaipema nelita (9502), Papaipema beeriana (9508), and Tricholita notata (10628).

**Wetland:** Included in this general category are habitats ranging from marshes dominated by cattails and reeds to wet meadows dominated by sedges and bluejoint grass, with meadow rue, Joe-Pye weed and swamp milkweed being prominent. Many wet areas become dominated by shrubs such as willow, alder, steeple bush and meadow sweet. Wetland associated moth species include Plemyria georgii (7216), Orthonama evansi (7415), Hemileuca maia (7730),
Macrochilo absorptalis (8357), Macrochilo bivittata (8359), Macrochilo orciferalis (8360),
Macrochilo louisiana (8361), Hynenodes caducus (8420), Hynenodes fractilinea (8421),
Hynenodes palustris (8422), Hynenodes sombrus (8423), Pseudeva purpurigera (8899),
Plusia patnami (8950), Plusia contexta (8952), Prospisa venusta (8953), Capis curvata (9059),
Acronicta connecta (9219), Simyra henrici (9280), Luperina stippata (9393), Ereobina jocasta
(9398), Meropodes diversicolor (9427), Lemmeria digitalis (9429), Sparitiniphaga panatela
(9436), Chortodes inquinita (9437), Chortodes enervata (9441), Chortodes defecta (9443),
Archanara oblonga (9449), Archanara subflava (9450), Archanara laeta (9451), Papaipema
ca travacta (9466), Papaipema impe cuniosa (9473), Papaipema lysimachiae (9479), Pa-
papaipema speciosissima (9482), Papaipema inquaesita (9483), Papaipema nepheleptena
(9490), Papaipema eupatorii (9501), Papaipema unimoda (9509), Idopepla u-album (9522),
Bellura gortynoides (9523), Bellura bremhei (9524), Bellura obliqua (9525), Bellura densa
(9526), Conservula anodonta (9548), Fagithana littera (9629), Xanthia near togata (9965),
Hilla iris (9967), Leucania limita (10440), and Cryptocala acadiensis (11012).

Strays and migrants: A significant number of species regarded as strays or migrants have
been recorded in Wisconsin. Ferguson et al. (1991) provides considerable insight
regarding migratory Lepidoptera species in eastern North America, listing frequent or obvious
migrants, many classified as such for the first time. Many of the migrants recorded in Wisconsin
are of tropical or subtropical origin, others originate from breeding ranges in the southern states,
and a few are of western affinities. Strays are defined here as three or fewer historic occurrences,
most being single occurrences of single individuals. Migrants recur more often but irregularly,
with some occasionally establishing temporary breeding populations. In addition, Ferguson et
al. (1991) discuss a number of migrant species that are consistently present northward every
season, some with such regularity they are often considered resident species. However, they
have no diapause and must annually repopulate northern regions.

Strays: Macaria punctolineata (6332), Lobocleta ossularia (7094), Idaea bonifata
(7102), Agrius cingulata (7771), Cerramania hageni (7790), Erinnyis alope (7832), Erinnyis
ello (7834), Erinnyis obscura (7837), Aellopos titan (7849), Eumorpha fasciata (7865),
Eumorpha labrascasae (7866), Utetheisa bella (8106), Tetanotilia mnesalis (8366), Tetanotilia
florida (8368), Colobo chyla interpuncta (8411), Ophiche minualis (8457), Tathornychus
exsiccatus (8466), Eudocima materna (8543), Anomis erosa (8545), Alabama argillacea
(8554), Anticarsia gemmatilis (8574), Melipotis perpendicularis (8598), Thy sania zenobia
(8647), Lesmone detrahrens (8651), Mocis latipes (8743), Pichodis bistrigata (8751), Catocala
insolabilis (8791), Catocala maestosa (8793), Catocala lacrymosa (8794), Catocala junctura
(8829), Argyrogramma verr uca (8885), Autographa californica (8914), Thiop tera nigrofrim-
bria (9044), Tarachidia virginalis (9088), Leucania adjuta (10456), Stretchia pl usiaef ornis
(10471), Anhimella contrahens (10530), Euxoa auxiliaris (10731), Chersotis junc ta
(1103), Schinia jaguarina (11132), Schinia tertia (11179), Schinia chrysell a (11199).

Irregularly occurring migrants: Manduca sexta (7775), Manduca quinquemaculata
(7776), Sphinx yashii (7803), Eumorpha achemon (7861), Xylophanes tersa (7890), Ascalapha
odorata (8649), Mocis texana (8745), Catocala luciana (8808), Ctenoplusia oxygramma
(8889), Pseudoplusia includens (8890), Rachiplusia ou (8895), Megalographa biloba (8907),
Amyra octo (9070), Magusa orbifera (9637), Faronta rubripennis (10434).

Questionable and unconfirmed records: The following species are attributed to Wisconsin by the literature sources indicated, but specimens confirming these records were not located.

6257 *Leucobrephos brephoides* (Walker, 1857). Covell (1970) states that synonym *hoyi* Grote was described from Wisconsin. Grote (1883) specifically mentions receiving a Wisconsin specimen (“wanting legs and antennae”) from Dr. Hoy. This specimen was the basis of the name *Melicleptria hoyi* Grote, which was synonomized under *L. brephoides* by Grote (1883).

6711 *Thysanopyga intractata* (Walker, 1863). Forbes (1948) indicates the type was from Wisconsin. The species is a holly feeder, likely a stray or error (D. F. Schweitzer, pers. comm.).


7378 *Xanthorhoe algidata* (Moschler, 1874). Attributed to Wisconsin by Covell (1970). Specimens in the Natural History Museum of Los Angeles County determined as this are *Xanthorhoe decolorata* (= 7384 *X. munitata*). *X. algidata* may possibly occur in northern Wisconsin.


9463 *Parapamea buffalensis* (Grote, 1877). Forbes (1954) cites the specific locality of Racine, Wisconsin. Wetter et al. (1999) state that the occurrence of lizard’s tail (*Saururus cernuus* L.), its sole larval host, has not been verified in Wisconsin.

9665 *Spodoptera exigua* (Hübner, 1803-08). Crumb (1956) includes Wisconsin in the range of this species, but its distribution is mainly in southern and western states. A migrant known for its long range dispersal, listed by Ferguson (1991).

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LITERATURE CITED


PLATE 1

All figures are X1.0

1. *Habrosyne gloriosa* (Guenée), Pierce Co., 6 August 1994
2. *Itame amboflava* Ferguson, Vernon Co., 3 July 1995
4. *Macaria marmorata* (Ferguson), Bayfield Co., 30 July 1992
11. *Cyclophora nanaria* (Walker), Manitowoc Co., 1 October 1997
12. *Dysstroma citrata* (Linnaeus), Oneida Co., 30 August 1997
15. *Plemyria georgii* (Hulst), Bayfield Co., 30 August 1992
17. *Hydriomena perfracta* Swett, Oneida Co., 6 June 1997
18. *Hydriomena ruberata* (Freyer), Sheboygan Co., 7 June 1992
19. *Anticlea vasiata* (Guenée), Oneida Co., 25 May 1996
20. *Xanthorhoe abrasaria congregata* (Walker), Bayfield Co., 12 July 1994
22. *Xanthorhoe labradorensis* (Packard), Manitowoc Co., 15 July 1993
23. *Orthonama evansi* (McDunnough), Marquette Co., 15 August 1997
PLATE 2

All figures are X1.0

25. *Operophtera bruceata* (Hulst), Sheboygan Co., 10 November 1997
29. *Holomelina lamae* (Freeman), Marathon Co., 4 July 1976
30. *Apantesis carlotta* Ferguson, Grant Co., 15 August 1981
31. *Grammia speciosa* (Möschler), Oneida Co., 4 August 1979
32. *Grammia celia* (Saunders), Waushara Co., 8 June 1999
33. *Ptichodis bistrigata* Hübner, Grant Co., 15 May 1982
34. *Tarachidia binocula* (Grote), Sauk Co., 15 June 1993
35. *Tarachidia virginalis* (Grote), Sauk Co., 3 August 1987
38. *Apamea mixta* (Grote), Oneida Co., 8 August 1997
41. *Oligia crytora* (Franclemont), Vilas Co., 3 July 1985
42. *Selicanis cinereola* J. B. Smith, Monroe Co., 1 October 1996
43. *Chortodes basistriga* (McDunnough), Vilas Co., 8 September 1989
44. *Chortodes defexta* (Grote), Marquette Co., 15 August 1997
45. *Chortodes enervata* (Guenée), Kenosha Co., 10 August 1989
46. *Papaipema sciata* Bird, Dane Co., 30 September 1989
47. *Papaipema silphi* Bird, Waukesha Co, 2 September 1989
PLATE 3

All figures are X1.0

49. Iodopepla u-album (Guenée), Marquette Co., 14 May 1999
50. Bellura brehmei (Barnes & McDunnough), Price Co., 19 June 1998
51. Enargia mephisto Franclemont, Bayfield Co., 9 July 1994
52. Chytonix sensilis Grote, Jackson Co., 22 July 1993
53. Properigaea costa (Barnes & Benjamin), Sauk Co., 3 August 1988
54. Atheris mendoza (McDunnough), Jackson Co., 5 July 1994
57. Xystoeppla rufago (Hübner), Sauk Co., 10 April 1993
58. Anathix aggressa (J. B. Smith), Sheboygan Co., 13 September 1991
59. Psectraglaea carnosa (Grote), Bayfield Co., 20 September 1996
60. Brachylomia discinigra (Walker), Bayfield Co., 31 August 1992
61. Oncocnemis viriditincta J. B. Smith, Burnett Co., 24 August 1998
62. Trichoclea artesta (J. B. Smith), Sheboygan Co., 13 July 1991
64. Tricholita notata Strecker, Waukesha Co., 2 September 1989
66. Richia grotei (Franclemont & Todd), Pierce Co., 6 August 1994
67. Schinia indiana (J. B. Smith), Jackson Co., 4 June 1994
68. Noctua pronuba (Linnaeus), Oneida Co., 14 August 1999
69. Schinia septentrionalis (Walker), Green Co., 27 August 1979
70. Schinia bina (Guenée), Bayfield Co., 25 June 1996
71. Schinia mortua (Grote), Crawford Co., 21 August 1994