

The Arkansas Lepidoptera Survey: A Preliminary Check List of Arkansas Species

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Running Title: The Arkansas Lepidoptera Survey

Abstract

The mission of the Arkansas Lepidoptera Survey is to enhance the fundamental knowledge of butterflies, skippers, and moths in Arkansas. To achieve this mission, its objectives include developing a reference collection of Arkansas Lepidoptera and maintaining a current check list of present, historical and accidental species in Arkansas. The following list includes 1360 species representing 57 families. It was compiled from original field collecting, literature review, and analysis of museum specimens. The Arkansas Lepidoptera Survey established a reference collection of Arkansas butterflies, skippers and moths located in McEver Hall on the Arkansas Tech University campus. This collection currently contains 567 species representing 28 families.

Introduction

A review of the literature and survey of institutional collections in the state reveal that little is known about the biodiversity of Arkansas' Lepidoptera. Publications on the subject are limited to annotated check lists of a specific region, a single family, illustrate only a few common species or limited to a discussion of a single species. Some state universities house modest collections from their local area, none statewide. Extensive areas of the state, especially the West Gulf Coastal Plain and the Grand Prairie regions are poorly represented.

Methods

Data for this check list results from a combination of three sources; original field collecting, survey of existing institutional and private collections and review of the literature both print and internet.

Original Field Collecting

Field collecting was and continues to be conducted at pre-selected sites across Arkansas. These sites were selected based on their habitat structure namely prairie, savanna, cypress swamp, oak/hickory upland forest, pine forest, wet lands, alluvial plain, wildlife management areas, etc. In addition to habitat, each site was also selected based on its sustainability via a managing conservation agency such as the Arkansas Natural Heritage Commission, Nature Conservancy, Arkansas Games and Fish Commission, Ozark National Forest, Arkansas State Parks Department and private land owners. It is intended to repeat sampling on these sites with a reasonable assurance that the integrity of these sites will be retained over time. Under permit, collecting trips are made to each site on the average of three times a year; spring, summer and fall. Collecting methods include netting, using 160W Mercury Vapor and 15-watt UV light attractors, and traps baited with fermenting fruit. Specimens with corresponding data including GPS coordinates are stored in the data bank associated with the Jim Ettman/Arkansas Tech Lepidoptera Collection, Russellville, Arkansas.

Check List Protocols

Family order and nomenclature are those found in The Moth Photographers Group (MPG). Preference for a source is given first to an Arkansas collection specimen, then a literature citation and lastly to a web site source. Data based on visual sightings are not included. The absence of a family only signifies data or specimen representing that family have not been identified.

Collections Surveyed

The following collections were surveyed:

- 1) Arkansas State University, Jonesboro, AR
- 2) Jim Ettman/Arkansas Tech Lepidoptera Collection, Russellville, AR

- 3) University of Arkansas Arthropod Collection,
Fayetteville, AR
- 4) Mississippi State Entomological Museum,
Columbia, MO
- 5) Fort Chaffee Insect Collection, Fort Smith, AR
- 6) Yale Peabody Museum of Natural History,
New Haven, CT

Results

This preliminary check list of present, historical and accidental species in Arkansas includes 1360 species representing 57 families.

Family Eriocraniidae

Dyseriocania griseocapitella (Walsingham, 1898)

Family Nepticulidae

Ectoedemia piperella Wilkinson & Newton, 1981

Ectoedemia quaddeinotata (Braun, 1917)

Ectoedemia similella (Braun, 1917)

Ectoedemia trinotata (Braun, 1914)

Family Opostegidae

Pseudopostega albogaleriella (Clemens, 1862)

Pseudopostega quadristrigella (Chambers, 1875)

Family Prodoxidae

Tegeticula yuccasella (Riley, 1872)

Family Adelidae

Adela caerulea Walker, 1863

Family Heliozelidae

Antispila nysaefoliella Clemens, 1860

Family Tineidae

Daviscardia coloradella (Dietz, 1905)

Diachorisia velatella Clemens, 1860

Eudarcia eunitariaeella Chambers, 1873

Eudarcia eunitariaeella Chambers, 1873

Homosetia bifasciella (Chambers, 1876)

Isocorypha mediostriatella (Clemens, 1865)

Monopis marginistrigella (Chambers, 1873)

Nemapogon acapnopennella (Clemens, 1863)

Pelecystola nearctica Davis & Davis, 2009

Scardia anatomella (Grote, 1881)

Tinea apicimacellata Chambers, 1875

Tinea carnariella Clemens, 1859

Tinea mandarinella Dietz, 1905

Family Acrolophidae

Acrolophus arcanella (Clemens, 1859)

Acrolophus cressoni (Walsingham, 1882)

Acrolophus mortipennella (Grote, 1872)

Acrolophus morus (Grote, 1881)

Acrolophus plumifrontella (Grote, 1859)

Acrolophus popeanella (Clemens, 1859)

Acrolophus texanella (Chambers, 1878)

Amydria dyarella Dietz, 1905

Amydria effrentella Clemens, 1859

Family Psychidae

Basycladus celibatus (Jones, 1922)

Cryptothelea gloverii (Pacard, 1869)

Thyridopteryx ephemeraeformis (Haworth, 1803)

Family Gracillariidae

Caloptilia blandella (Clemens, 1864)

Caloptilia rhoifiella (Chambers, 1876)

Caloptilia superbifrontella (Clemens, 1860)

Cameraria cincinnatiella (Chambers, 1871)

Family Oecophoridae

Agonopterix clemensella (Chambers, 1876)

Agonopterix robiniella (Packard, 1869)

Antaeotricha humilis (Zeller, 1855)

Antaeotricha leucillana Zeller, 1854

Antaeotricha schlaegeri (Zeller, 1854)

Decantha boreasella (Chambers, 1873)

Durrantia piperatella (Zeller, 1873)

Eido trimaculella (Fitch, 1856)

Epicallima argenticinctella Clemens, 1860

Ethmia hogesella Powell, 1973

Ethmia trifurcella (Chambers, 1873)

Gonioterma cranbitella (Walsingham, 1889)

Gonioterma mistrella (Busck, 1907)

Inga cretacea (Zeller, 1873)

Martyringa latipennis (Walsingham, 1882)

Martyringa xeraula Hodges, 1960

Mathildana newmanella (Clemens, 1864)

Menesta melanella Murtfeldt, 1890

Psilocorsis cryptoeichiella (Chambers, 1872)

Psilocorsis quercicella Clemens, 1860

Psilocorsis reflexella Clemens, 1880

Semioscopis inornata Walsingham, 1882

Semioscopis megamicrella Dyar, 1902

Setiostoma xanthobasis Zeller, 1885

Family Elachistidae

Cosmiotes scopulicola Braun, 1948

Elachista cuculata (Braun, 1921)

Gonioterma crambitella (Walsingham, 1889)

Gonioterma mistrella (Busck, 1907)

Haplochrois bipunctella Chambers, 1880

Rectiostoma xanthobasis (Zeller, 1875)

Family Blastobasidae

Blastobasis taurusella Adamski, 2003

Family Autostichidae

Gerdana caritella Busck, 1908

Family Coleophoridae

Coleophora laticornella Clemens, 1860
Coleophora laurentella McDunnough, 1944
Coleophora ramitella Landry & Wright, 1993

Family Momphidae

Mompha circumscriptella (Zeller, 1873)
Mompha eloisella (Clemens, 1860)

Family Cosmopterigidae

Chrysopeleia purpuriella Chambers, 1874
Cosmopterix dapifera Hodges, 1962
Cosmopterix floridanella Beutenmuller, 1889
Cosmopterix gemmiferella Clemens, 1860
Cosmopterix lespedezae Walsingham, 1882
Cosmopterix magophila Meyrick, 1919
Cosmopterix montisella Chambers, 1875
Cosmopterix pulchrimella Chambers, 1875
Cosmopterix quadrilineella Chambers, 1878
Euclementia bassettella (Clemens, 1864)
Ithome concolorella (Chambers, 1875)
Melanocinclis sparsa Hodges, 1978
Perimede circitor Hodges, 1969
Perimede erema Hodges, 1969
Perimede erransella Chambers, 1874
Perimede parilis Hodges, 1969
Periploca hortatrix Hodges, 1969
Periploca intermedia Hodges, 1968
Periploca nigra Hodges, 1962
Siskiwitia latebra Hodges, 1978
Sorhagenia pexa Hodges, 1969
Stagmatophora sexnotella (Chambers, 1878)
Stilbosis ostryaceella (Chambers, 1874)
Stilbosis pkacatrix (Hodges, 1969)
Stilbosis quadricustatella (Chambers, 1880)
Stilbosis venatrix (Hodges, 1964)
Stilbosis venifica (Hodges, 1964)
Tanygona lignicolorella Braun, 1923
Teladoma helianthi Busck, 1932
Teladoma incana Hodges, 1962
Triclonella determinatella (Zeller, 1873)
Triclonella pergandeella Busck, 1901
Walshia miscecolorella (Chambers, 1875)
Walshia particornella (Busck, 1919)

Family Scythrididae

Scythris fuscicomella (Clemens, 1860)
Scythris trivinctella (Zeller, 1873)

Family Gelechiidae

Agnippe prunifoliella Chambers, 1873
Anacampsis agrimoniella (Clemens, 1860)
Anacampsis coverdalella Kearfort, 1903
Anacampsis fullonella (Zeller, 1873)
Anacampsis tristrigella Walsingham, 1878
Aristotelia roseosuffusella (Clemens, 1860)
Aristotelia rubidella (Clemens, 1860)

Aroga compositella (Walker, 1864)
Aroga trialbamaculella (Chambers, 1875)
Arogalea cristifasciella (Chambers, 1878)
Battarists nigratomella (Clemens, 1863)
Battarists vittella (Busck, 1926)
Caryocolum pullatella (Walker, 1864)
Chionodes adamas Hodges, 1999
Chionodes bicostomaculella (Chambers, 1872)
Chionodes cacula Hodges, 1999
Chionodes discoocellella (Chambers, 1872)
Chionodes emptor Hodges, 1999
Chionodes fondella (Busck, 1906)
Chionodes fuscomaculella (Chambers, 1872)
Chionodes hapsus Hodges, 1999
Chionodes imber Hodges, 1999
Chionodes mediofuscella (Clemens, 1863)
Chionodes obscurusella (Chambers, 1872)
Chionodes pereyra Clarke, 1947
Chionodes powell Hodges, 1999
Chionodes pseudofondella (Busck, 1908)
Chionodes psilopterus (Barnes and Boisduval, 1920)
Chionodes soter Hodges, 1999
Chionodes suasor Hodges, 1999
Chionodes thoraceochrella (Chambers, 1872)
Coleotechnites australis (Freeman, 1963)
Coleotechnites florum (Freeman, 1960)
Deltophora sella (Chambers, 1874)
Dichomeris bilobella (Zeller, 1873)
Dichomeris flavocostella (Clemens, 1860)
Dichomeris georgiella (Walker, 1866)
Dichomeris inversella Zeller, 1873
Dichomeris juncidella Clemens, 1860
Dichomeris liguella Hubner, 1818
Dichomeris punctidiscellus (Clemens, 1863)
Dichomeris vaccinella Busck, 1915
Dichomeris ventrella (Fitch, 1854)
Exoteleia pinifoliella (Chambers, 1840)
Fascista cercerisella (Chambers, 1872)
Filatima biminimaculella (Chambers, 1880)
Filatima serotinella (Busck, 1903)
Frumenta nundinella (Zeller, 1873)
Gelechia albisparsella (Chambers, 1872)
Glauce pectenaleella Chambers, 1875
Helcystogramma melantherella (Busck, 1900)
Isophrictis similiella (Chambers, 1872)
Keiferia lycopersicella (Walsingham, 1897)
Monochroa quinuepunctella (Busck, 1903)
Pseudochelaria basifasciella (Zeller, 1873)
Pseudochelaria fuscopunctella (Clemens, 1863)
Pseudochelaria walsinghami Dietz, 1900
Pubitelphusa latifasciella (Chambers, 1875)
Scrobipalpula psilella (Herrich-Scheffer, 1853)
Scythris fuscicomella (Clemens, 1860)
Scythris trivinctella (Zeller, 1873)
Sinoe robiniella (Fitch, 1859)
Spinitibia hodgesi Lee & Brown 2010
Stegasta bosqueella (Chambers, 1875)

Strobisia iridipennella Clemens, 1860
Strobisia proserpinella Frey & Bell, 1878
Symmetricchema striatella (Murtfeldt, 1900)
Taygete attributella (Walker, 1864)
Theisoa constrictella (Zeller, 1873)
Trypanisma prudens Clemens, 1860
Untomia albistrigella (Chambers, 1872)
Xenolechia ontariensis KeiFabricius, 1933
Xenolechia querciphaga KeiFabricius, 1933

Family Glyphipterigidae

Glyphidocera democratica Meyrick, 1929
Glyphidocera lactiflosella (Chambers, 1878)
Glyphipteryx impigritella Clemens, 1863
Glyphipteryx nordini Heppner, 1997

Family Plutellidae

Plutella xylostella (Linnaeus, 1758)

Family Lacturidae

Lactura basistriga (Barnes & McDunnough, 1913)
Lactura pupula (Hubner, 1827)
Lactura subfervens (Walker, 1854)

Family Yponmeutidae

Argyresthia alternatella Kearfott, 1908
Argyresthia freyella Walsingham, 1890
Atteva aurea (Fitch, 1856)
Prays atomacella (Dyar, 1902)
Zelleria retiniella Fibs, 1923

Family Argyresthiidae

Argyresthia alternatella Kearfott, 1908
Argyresthia freyella Walsingham, 1890

Family Heliodinidae

Aetole bella Chambers, 1875

Family Sesiidae

Carmenta anthracipennis (Boisduval, 1875)
Carmenta bassiformis (Walker, 1856)
Carmenta pyralidiformis (Walker, 1856)
Melittia cucurbitae (Harris, 1828)
Paranthrene dollii (Neumoegen, 1894)
Paranthrene simulans (Grote, 1881)
Synanthedon acerni (Clemens, 1860)
Synanthedon decipiens (Henry Edwards, 1881)
Synanthedon exitiosa (Say, 1823)
Synanthedon refulgens (Henry Edwards, 1881)
Synanthedon rileyana (Henry Edwards, 1881)
Synanthedon rubrofascia (Henry Edwards, 1881)
Vitacea polisitiformis (Harris, 1854)

Family Choreutidae

Brenthia pavonacella Clemens, 1860

Family Cossidae

Givera anna (Dyar, 1898)
Givera arbeloides (Dyar, 1899)
Prionoxystus macmurtrei (Guenee, 1829)
Prionoxystus robiniae (Peck, 1818)

Family Tortricidae

Acleris cervinana (Fernald, 1882)
Acleris chalybeana (Fernald, 1882)
Acleris curvalana (Kearfott, 1907)
Acleris maculidorsana (Clemens, 1864)
Acleris semipurpurans (Kearfott, 1905)
Acleris subnivana (Walker, 1863)
Adoxophyes furcatana (Walker, 1863)
Amorbia humerosana Clemens, 1860
Ancylis platanana (Clemens, 1860)
Ancylis comptana (Frolich, 1828)
Archips argyrospila (Walker, 1863)
Archips georgiana (Walker, 1863)
Archips semiferana (Walker, 1863)
Argyrotaenia alisellana (Robinson, 1869)
Argyrotaenia floridana Obraztsov, 1961
Argyrotaenia juglandana (Fernald, 1879)
Argyrotaenia quercifoliana (Fitch, 1858)
Argyrotaenia tabulana Free, 1944
Argyrotaenia velutinana (Walker, 1863)
Bactra verutana Zeller, 1885
Cenopsis cana (Robinson, 1869)
Cenopsis chambersana (Kearfott, 1907)
Cenopsis directana (Walker, 1863)
Cenopsis ferreana Busck, 1915
Cenopsis karacana (Kearfott, 1907)
Cenopsis niveana (Walsingham, 1879)
Cenopsis pettitana (Robinson, 1869)
Cenopsis reticulatana (Clemens, 1860)
Cenopsis saracana Kearfott, 1907
Chimoptesis pennsylvaniana (Kearfott, 1907)
Choristoneura fractivittana (Clemens, 1865)
Choristoneura obsoletana (Walker, 1863)
Choristoneura parrallela (Robinson, 1869)
Choristoneura pinus Freeman, 1953
Choristoneura rosacenna (Harris, 1841)
Clepsis melaleucana (Walker, 1863)
Clepsis peritana (Clemens, 1860)
Clepsis persiceana (Fitch, 1856)
Clepsis virescana (Clemens, 1865)
Coelostathma discopunctana Clemens, 1860
Corticivora clarki Clarke, 1951
Croesia semipurpurana (Kearfott, 1905)
Cydia albimaculana (Fernald, 1879)
Cydia caryana (Fitch, 1856)
Cydia latiferreana (Washingham, 1879)
Ecdytolopha insiticihana Zeller, 1875
Ecdytolopha mana (Kearfott, 1907)
Ecdytolopha punctidiscana (Dyar, 1904)
Endothenia hebesana (Walker, 1863)
Endothenia heinrichi McDunnough, 1929

- Endothenia nubilana* (Hawarth, 1811)
Epiblema dorisuffusana (Kearfort, 1908)
Epiblema gibsoni Wright & Covell, 2003
Epiblema scudderiana (Clemens, 1860)
Epiblema strenuana (Walker, 1863)
Epinotia celtisana (Riley, 1881)
Epinotia sotipene Brown, 1986
Episimus argutanus (Clemens, 1860)
Eucosma cataclystiana (Walker, 1863)
Eucosma comatulana (Zeller, 1875)
Eucosma dorsisignatana (Clemens, 1860)
Eucosma dorsisignatana (Walker, 1863)
Eucosma fulminana (Walsingham, 1879)
Eucosma giganteana (Riley, 1881)
Eucosma heathiana Kearfort, 1907
Eucosma ridingsan (Robinson, 1869)
Eucosma robinsonana (Grote, 1872)
Eucosma rusticana Kearfort, 1905
Eumaroza malachitana (Zeller, 1885)
Grapholita fana (Kearfort, 1907)
Gretchena bolliana (Slingerland, 1896)
Gretchena concubitana Heinrich, 1923
Gymnandrosoma punctidiscanum (Dyar, 1904)
Gypsonoma fasciolana (Clemens, 1864)
Hystrichophora taleana (Grote, 1878)
Hystrichophora vestaliana (Zeller, 1875)
Metendothenia separatana (Kearfort, 1907)
Olethreutes astrologana (Zeller, 1875)
Olethreutes connectum (McDunnough, 1935)
Olethreutes ferrolineana (Walker, 1863)
Olethreutes hamameliana (McDunnough, 1944)
Olethreutes lucunana (Freeman, 1941)
Olethreutes monetiferana (Riley, 1881)
Olethreutes tilianum (Heinrich, 1923)
Orthotaenia undulana (Denis & Schiffermuller, 1775)
Pandemis limitata (Robinson, 1869)
Pelochrista milleri Wright, 2007
Pelochrista scintillana (Clemens, 1865)
Phaecasiphora inspersa Heinrich, 1931
Phaneta kiscana (Kearfort, 1907)
Phaneta raracana (Kearfort, 1907)
Phaneta striatana (Clemens, 1860)
Platynota exasperatana (Zeller, 1875)
Platynota flavedana Clemens, 1860
Platynota idaeusalis (Walker, 1859)
Platynota nigrocervina Walsingham, 1895
Platynota semiustana Walsingham, 1884
Proteoteras naracana Kearfort, 1907
Pseudexentera cressoniana (Clemens, 1864)
Pseudexentera hodsoni Miller, 1986
Pseudogalleria inimicella (Zeller, 1872)
Retinia houseri Miller, 1959
Rhyacionia frustrana (Comstock, 1880)
Rudenia leguminana (Busck, 1907)
Sparaganthis sulfureana (Clemens, 1860)
Sparaganthis bistriata Kearfort, 1907
Sparganothis caryae (Robinson, 1869)
Sparganothis distincta (Walsingham, 1884)
Sparganothis lentiginosana (Walsingham, 1863)
Taniva albolineana (Kearfort, 1907)
Xenotenna pallorana (Robinson, 1869)
- Family Hesperidae**
Achalarus lyciades (Geyer, 1832)
Achylodes thraso (Hubner, 1807) (stray)
Amblyscirtes aesculapius (Fabricius, 1793)
Amblyscirtes hegon (Schudder, 1864)
Amblyscirtes linda H. A. Freeman, 1943
Amblyscirtes alternata (Grote & Robinson, 1867)
Amblyscirtes belli H. A. Freeman, 1941
Amblyscirtes carolina (Skinner, 1892)
Amblyscirtes nysa Edwards, 1877 (stray)
Amblyscirtes vialis (Edwards, 1862)
Ancyloxypha numitor (Fabricius, 1793)
Atalopedes campestris (Boisduval, 1852)
Atrytone arogos (Boisduval & Leconte, 1834)
Anatrytone delaware logan (Edwards, 1863)
Atrytonopsis hianna (Schudder, 1868)
Autochton cellus (Boisduval & Leconte, 1834)
Calpodes ethlius (Stoll, 1782)
Cogia outis (Skinner, 1894) (stray)
Copaeodes aurantiaca (Hewitson, 1868) (stray)
Copaeodes minimus (Edwards, 1870)
Epargyreus clarus (Crammer, 1775)
Erynnis baptisiae (Forbes, 1936)
Erynnis brizo (Boisduval & Leconte, 1834)
Erynnis funeralis (Scudder & Burgess, 1870)
Erynnis horatius (Scudder & Burgess, 1870)
Erynnis icelus (Schudder & Burgess, 1870)
Erynnis juvenalis (Fabricius, 1793)
Erynnis martialis (Scudder, 1869)
Erynnis persius (Scudder, 1863)
Erynnis zarucco (Lucas, 1857) (stray)
Euphyes alabamae (Lindsey, 1923)
Euphyes dion (Edwards, 1867)
Euphyes dukesi (Lindsey, 1923)
Euphyes vestris (Boisduval, 1852)
Heliopetes ericetorum (Boisduval, 1852) (stray)
Hesperia leonardus Harris, 1862 (stray)
Hesperia meskei (Edwards, 1877)
Hesperia metea Scudder, 1864
Hylephila phyleus (Drury, 1773)
Lerema accius (J. E. Smith, 1797)
Lerodea eufala (Edwards, 1869)
Megathymus yuccae (Boisduval & Leconte, 1834)
Nastra Iherminier (Larteille, 1824)
Nastra neamathla (Skinner & R.C. Williams, 1923)
Oarisma garita (Reakirt, 1866) (stray)
Panoquina ocola (Edwards, 1863) (stray)
Pholisora catullus (Fabricius, 1793) (fall migrant)
Poanes hobomok (Harris, 1862)
Poanes viator (Edwards, 1865)
Poanes yehl (Skinner, 1863)
Poanes zabulon (Boisduval, & Leconte, 1834)

Polites peckius (Cramer, 1775)
Polites origenes (Fabricius, 1793)
Polites themistocles (Larteille, 1824)
Polites vibex (Geyer, 1832)
Pompeius verna (Edwards, 1862)
Prolema byssus (Edwards, 1880)
Pyrgus communis (Grote, 1872)
Pyrgus oileus (Linneaus, 1767) (stray)
Pyrgus philetas Edwards, 1881 (stray)
Staphylus hayhursti (Edwards, 1870)
Thorybes bathyllus (J. E. Smith, 1797)
Thorybes confusus Bell, 1922
Thorybes pylades (Scudder, 1870)
Urbanus dorantes (Stoll, 1790) (stray)
Urbanus proteus (Linneaus, 1758)
Wallengrenia egeremet (Scudder, 1864)
Wallengrenia otho (J. E. Smith, 1797)

Family Papilionidae

Battus philenor (Linneaus, 1771)
Battus polydamas (Linneaus, 1758) (historical)
Eurytides marcellus (Cramer, 1777)
Papilio cressphontes Cramer, 1777
Papilio glaucus Linneaus, 1758
Papilio joanae J. R. Heitzman, 1974 (stray)
Papilio palamedes Drury, 1773 (stray)
Papilio polyxenes Fabricius, 1775
Papilio troilus Linneaus, 1758

Family Pieridae

Abaeis nicippe (Cramer, 1780)
Anthocharis midea (Hubner, 1809)
Appias drusilla (Cramer, 1777) (stray)
Ascia monuste (Linneaus, 1764) (stray)
Colias eurytheme Boisduval, 1852
Colias philodice Godart, 1819
Euchloe olympia (Edwards, 1871)
Eurema daira (Godart, 1819) (stray)
Eurema mexicana (Boisduval, 1836) (stray)
Kricogonia lyside (Godart, 1819) (stray)
Nathalis iole Boisduval, 1836
Phoebis agarithe (Boisduval, 1836) (stray)
Phoebis philea (Johnsson, 1763) (stray)
Phoebis sennae (Linneaus, 1758)
Pieris rapae (Linneaus, 1758)
Pontia protodice (Boisduval & Leconte, 1829)
Pyrisitia lisa Boisduval & Leconte, 1829
Zerene caesonia (Stoll, 1790)

Family Lycaenidae

Atlides halesus (Cramer, 1777)
Brephidium exilis (Boisduval, 1852) (stray)
Callophrys gryneus (Hubner, 1819)
Callophrys henrici (Grote & Robinson, 1867)
Callophrys irus (Godart, 1824)
Callophrys niphon (Hubner, 1819)
Calycopis cercrops (Fabricius, 1793)

Celastrina ladon (Cramer, 1780)
Celastrina neglecta (W. H. Edwards, 1862)
Celastrina neglectamajor Opler & Krizek, 1984
Celastrina nigra (W. Forbes, 1960)
Cupido comyntas (Godart, 1824)
Feniseca tarquinius (Fabricius, 1793)
Glaucopsyche lygdamus (E. Doubleday, 1841)
Hemiargus isola (Reakirt, 1866)
Leptotes cassius (Cramer, 1775) (stray)
Leptotes marina (Reakirt, 1868)
Lycaena hyllus (Cramer, 1775)
Lycaena phlaeas americana (Linneaus, 1761)
Ministrymon clytie (Edwards, 1877) (stray)
Parrhasius m-album (Boisduval & Leconte, 1833)
Satyrium favonius (J. E. Smith, 1797)
Satyrium calanus (Hubner, 1809)
Satyrium caryaevorum (McDunnough, 1942)
Satyrium edwardsii (Grote & Robinson, 1869)
Satyrium kingi (Klots & Clench, 1952)
Satyrium liparops (Leconte, 1833)
Satyrium titus mopsus (Fabricius, 1793)

Family Riodinidae

Calephelis borealis (Grote & Robinson, 1866)
Calephelis muticum McAlpine, 1937

Family Libytheidae

Libytheana carineta (Cramer, 1777)

Family Nymphalidae

Aglais milberti (Godart, 1819) (stray)
Agraulis vanillae (Linneaus, 1758) (migrant)
Anaea andria Schudder, 1875
Anthanassa texana (Edwards, 1863) (stray)
Asterocampa celtis (Boisduval & Leconte, 1833)
Asterocampa clyton (Boisduval & Leconte, 1833)
Cercyonis pegala (Fabricius, 1775)
Chlosyne gorgone (Hubner, 1810)
Chlosyne lacinia (Geyer, 1837)
Chlosyne nycteis (Doubleday, 1847)
Cyllopsis gemma (Hubner, 1808)
Danaus gilippus (Cramer, 1776) (migrant)
Danaus plexippus (Linneaus, 1758) (migrant)
Dryas julia (Fabricius, 1775) (stray)
Enodia anthedon A. H. Clark, 1936
Satyrodes appalachia (R. Chermock, 1947)
Enodia creola (Skinner, 1897)
Enodia portlandia (Fabricius, 1781)
Euphydryas phaeton ozarkae Masters, 1968
Euptoieta claudia (Cramer, 1776)
Heliconius charithonia (Linneaus, 1767) (stray)
Hermeuptychia hermes (Fabricius, 1775)
Hermeuptychia sosybius (Fabricius, 1793)
Junonia coenia (Hubner, 1822)
Limenitis archippus (Cramer, 1776)
Limenitis arthemis astyanax (Drury, 1773)
Megisto cymela (Cramer, 1777)

Megisto rubricata (Edwards, 1871) (stray)
Mestra amymone (Menetries, 1857) (stray)
Neonympha areolatus (J. E. Smith, 1797)
Nymphalis antiopa (Linneaus, 1758)
Phyciodes cocyta (Cramer, 1777)
Phyciodes phaon (Edwards, 1864)
Phyciodes tharos (Drury, 1773)
Polygonia comma (Harris, 1842)
Polygonia interrogatoni (Fabricius, 1798)
Polygonia progne (Cramer, 1776)
Speyeria cybele (Fabricius, 1775)
Speyeria diana (Cramer, 1777)
Speyeria idalia (Drury, 1773) (historical)
Vanessa atalanta (Linneaus, 1758)
Vanessa cardui (Linneaus, 1758)
Vanessa virginiensis (Drury, 1773)

Family Lacturidae

Lactura basistriga (Barnes and McDunnough, 1913)
Lactura pupula (Hubner, 1827-31)
Lactura subfervens (Walker, 1854)

Family Zygaenidae

Harrisina americana (Guerin, 1829)
Pyromorpha dimidiata Herrich-Schaffer, 1854

Family Megalopygidae

Lagoa crispata (Packard, 1864)
Megalopyge opercularis (J. E. Smith, 1797)
Norape ovina (Sepp, 1848-52)
Norape tenera (Druce, 1897) (stray)

Family Limacodidae

Acharia stimulea (Clemens, 1860)
Adoneta spinuloides (Herrich-Schaffer, 1854)
Apoda y-inversum (Packard, 1864)
Apoda biguttata (Packard, 1864)
Euclea delphinii (Boisduval, 1832)
Euclea incisa (Harvey, 1876)
Heterogenea shurtleffi Packard, 1864
Isa textula (Herrich-Schaffer, 1854)
Isochaetes beutenmuelleri (Henry Edwards, 1887)
Lithacodes fasciola (Herrich-Schaffer, 1854)
Monoleuca semifascia (Walker, 1855)
Natada nasoni (Grote, 1876)
Packardia geminata (Packard, 1864)
Parasa chloris (Herrich-Schaffer, 1854)
Phobetron pithecium (J. E. Smith, 1797)
Prolimacodes badia (Hubner, 1822)
Tortricidia testacea Packard, 1864
Tortricidia flexuosa (Grote, 1880)

Family Epipyropidae

Fulgoraacia exigua (Henry Edwards, 1882)

Family Crambidae

Achyra rantalis (Guenee, 1854)

Agriphila vulgivagella (Clemens, 1860)
Anania coronata tertialis (Guenee, 1854)
Argyria critica (Forbes, 1820)
Blepharomastix ranalis (Guenee, 1854)
Chalcoela iphitalis (Walker, 1859)
Colomychus talis (Grote, 1878)
Compacta capitalis (Grote, 1881)
Conchylodes ovulalis (Guenee, 1854)
Crambus agitalellus Clemens, 1860
Crambus laqueatellus Clemens, 1860
Crocidophora pustuliferalis Lederer, 1863
Desmia funeralis (Hubner, 1796)
Desmia maculalis Westwood, 1831
Diacme adipaloides (Grote & Robinson, 1867)
Diacme clealis (Walker, 1859)
Diaphania hyalinata (Linneaus, 1767)
Diacme adipaloides (Grote & Robinson, 1867)
Diacme elealis (Walker, 1859)
Diatraea evanescens Dyar, 1917
Disasemiodes janassialis (Walker, 1859)
Donacaula melinella (Clemens, 1860)
Donacaula tripunctella (Robinson, 1870)
Donacaula unipunctellus (Robinson, 1870)
Elophila oblitalis (Walker, 1859)
Epipagis huronalis (Guenee, 1854)
Euchromius ocelleus (Hawarth, 1811)
Eudonia heterosalis (McDunnough, 1961)
Eulogia ochrifrontella (Zeller, 1876)
Eustixia pupula Hubner, 1863
Fissicrambus mutabilis (Clemens, 1860)
Glaphyria fulminalis (Lederer, 1863)
Glaphyria galphyralis (Guenee, 1854)
Glaphyria sequistrialis Hubner, 1823
Hahncappsia mancalis Lederer, 1863
Helvibotys helvialis (Walker, 1859)
Heroetogramma bipunctalis (Fabricius, 1794)
Herpetogramma pertextalis (Lederer, 1863)
Herpetogramma sphingealis Handfield 2011
Hymenia perspectalis (Hubner, 1796)
Lineodes integra (Zeller, 1873)
Lipocosma sicalis (Walker, 1859)
Lygropia octonalis (Zeller, 1873)
Microcrambus elegans (Clemens, 1860)
Microtheoris vibicalis (Zeller, 1873)
Neodactria daemonis Landry & Klots, 2005
Neodactria murellus (Dyar, 1904)
Nomophila nearctica Mun, 1973
Ostrinia nublialis (Hubner, 1796)
Ostrinia pentalis (Grote, 1876)
Palpita magniferalis (Walker, 1861)
Palpita quadristigmalis (Guenee, 1854)
Pantographa limata (Grote & Robinson, 1867)
Parapediasia decorellus (Zincken, 1821)
Perispasta caeculalis Zeller, 1875
Pilocrocis ramentalis Lederer, 1863
Polygrammodes flavidalis (Guenee, 1854)
Psara obscuralis (Lederer, 1863)

Pyrausta acronialis (Walker, 1859)
Pyrausta bicoloralis (Guenee, 1854)
Pyrausta laticlavata (Grote & Robinson, 1867)
Pyrausta rubricalis (Hubner, 1796)
Pyrausta signatalis (Walker, 1866)
Pyrausta subsequalis (Guenee, 1854)
Pyrausta tyralis (Guenee, 1854)
Samea ecclesialis Guenee, 1854
Saucrobotys futilalis (Lederer, 1863)
Scoparia basalis Walker, 1866
Spoladea recurvalis (Fabricius, 1795)
Stegia eripalis (Grote, 1878)
Udea rubigalis (Guenee, 1854)
Uresiphita reversalis (Guenee, 1854)
Urola nivalis (Drury, 1773)

Family Pyralidae

Acrobasis caryae Grote, 1881
Acrobasis caryalbella Ely, 1913
Acrobasis demotella Grote, 1881
Acrobasis exsulella (Zeller, 1848)
Acrobasis indigenella (Zeller, 1848)
Acrobasis minimella Ragonot, 1889
Acrobasis ostryella Ely, 1913
Acrobasis palliolella Ragonot, 1887
Acrobasis vaccinii Riley, 1884
Aglossa cuprina Zeller, 1872
Arta statalis Grote, 1875
Atascosa glareosella (Zeller, 1872)
Chilo plejadellus Zincken, 1821
Clydonopteron sacculana (Bosc, 1800)
Dioryctria amatella (Hulst, 1887)
Epipaschia superatalis Clemens, 1860
Ephesiodes infimella Ragonot, 1887
Eulogia ochrifrontella (Zeller, 1876)
Eurythmia angulella Ely, 1910
Galasa nigrinodes (Zeller, 1873)
Galleria mellonella (Linnaeus, 1758)
Hypsopygia costalis (Fabricius, 1775)
Hypsopygia olinalis Stephens, 1834
Homoeosoma asyloannastes G. & N., 1993
Hypsopygia costalis (Fabricius, 1775)
Macalla zelleri (Grote, 1876)
Melitara prodenialis Walker, 1863
Meroptera pravella (Grote, 1878)
Munroessa gyralis (Hulst, 1886)
Munroessa icciusalis (Walker, 1859)
Omphalocera munroei Martin, 1956
Parachma ochracealis Walker, 1866
Paraponyx obscuralis (Grote, 1881)
Penthesilea sacculalis Ragonot, 1891
Peoria approximella (Walker, 1866)
Pococera expandens (Walker, 1863)
Pococera maritimalis McDunnough, 1939
Pococera scortealis (Lederer, 1863)
Prionapteryx nebulifera Stephens, 1834
Pyralis farinalis Linnaeus, 1758

Salebriaria rufimaculatella Neunzig, 1988
Sciota subcaesiella (Clemens, 1860)
Sciota virgatella (Clemens, 1860)
Tetralopha asperatella (Clemens, 1860)
Thyris sepulchralis Guerin, 1832
Tlascala reductella (Walker, 1863)
Tosale oviplagalis (Walker, 1866)
Varneria postremella Dyar, 1904

Family Pterophoridae

Exelastis rhynchosiae (Dyer, 1898)
Geina periscelidactylus (Fitch, 1854)
Hellinsia balanotes (Meyrick, 1908)
Hellinsia kellicottii (Fish, 1881)
Platyptilia carduidactyla (Riley, 1869)
Pselnophorus belfragei (Fish, 1881)

Family Drepanidae

Drepana arcuata Walker, 1855
Dysodia oculatana Clemens, 1860
Eudeilina herminiata (Guenee, 1857)
Oreta rosea (Walker, 1855)
Euthyatira pudens (Guenee, 1852)
Habrosyne scripta (Grosse, 1840)
Pseudothyatira cymatophoroides (Guenee, 1852)
Thyris sepulchralis Guerin, 1832

Family Geometridae

Iridopsis ephyraria (Walker, 1860)
Iridopsis vellivolata (Hulst, 1881)
Anavitrinella pampinaria (Guenee, [1858])
Antepione thisoaria (Guenee, 1857)
Anticlea multiferata (Walker, 1863)
Besma endropiaria (Grote & Robinson, 1867)
Besma quercivoraria (Guenee, [1857])
Biston betularia (Linnaeus, 1758)
Cabera quadrifasciaria (Packard, 1873)
Campaea perlata (Guenee, [1858])
Caripeta angustiorata Walker, 1863
Caripeta aretaria (Walker, 1860)
Ceratonyx permagnaria (Grossbeck, 1912)
Ceratonyx satanaria Guenee, 1857
Chlorochlamys chloroleucaria (Guenee, [1858])
Chlorochlamys phyllinaria (Zeller, 1872)
Chloropteryx tepperaria (Hulst, 1886)
Cladara atroliturata (Walker, [1863])
Cladara limitaria (Walker, 1860)
Cleora sublunaria (Guenee, 1857)
Costaconvexa centrostrigaria (Wollaston, 1858)
Cyclophora pendulinaria (Guenee, 1857)
Diagrammia continuata (Walker, 1862)
Diagrammia denticulata Grote, 1883
Diagrammia eremiata (Guenee, 1857)
Diagrammia gnophosaria (Guenee, [1858])
Diagrammia ocellinata (Guenee, 1857)
Diagrammia pallidata (Packard, 1873)
Diagrammia subminiata (Packard, 1873)

- Dichorda iridaria* (Guenee, [1858])
Disclisiprocta stellate (Guenee, [1858])
Dyspteris abortivaria (Herrich-Schafter, [1885])
Ecliptopera atricolorata (Grote & Robinson, 1867)
Ectropis crepuscularia (Denis & Schiffermuller, 1775)
Epimecis hortaria (Fabricius, 1794)
Episemasia cervinaria (Packard, 1873)
Erannis tiliaria (Harris, 1841)
Erastria cruetaria (Hubner, [1799])
Eubaphe mendica (Walker, 1854)
Eubaphe unicolor (Robinson, 1869)
Euchlaena amoenaria (Guenee, [1857])
Euchlaena deplanaria (Walker, 1863)
Euchlaena irraria (Barnes and McDunnough, 1917)
Euchlaena johnsonaria (Fitch, 1869)
Euchlaena marginaria (Minot, 1869)
Euchlaena medusaria (Walker, 1860)
Euchlaena obtusaria (Hubner, [1813])
Euchlaena pectinaria ([Denis & Schiffermuller], 1775)
Euchlaena tigrinaria (Guenee, 1857)
Eulithis diversilineata (Hubner, [1813])
Eulithis gracilineata (Guenee, [1858])
Eumacaria madopata (Grote, 1863)
Eupithecia miserulata Grote, 1863
Eupithecia swettii Grossbeck, 1907
Eutrapela clemataria (J. E. Smith, 1797)
Eusarca confusaria Hubner, [1813]
Eusarca packardaria (McDunnough, 1940)
Exelis dicolus Rindge, 1952
Exelis pyrolaria Guenee, [1858]
Fernaldella fimetaria (Grote & Robinson, 1870)
Glena cognataria (Hubner, 1824-31)
Glena cribrataria (Guenee, 1857)
Glenoides texanaria (Hulst, 1888)
Haematopis grataria (Fabricius, 1798)
Heliomata cycladata Grote & Robinson, 1866
Heterophleps refusaria (Walker, 1861)
Hethemia pistasciaria (Guenee, 1857)
Horisme intestinata (Guenee, 1857)
Rheumaptera prunivorata (Ferguson, 1955)
Hydrelia albifera (Walker, 1866)
Hydriomena pluvialata meridianata (McDunnough, 1954)
Hypagyrtis esther (Barnes, 1928)
Hypagyrtis unipunctata (Hawarth, 1890)
Hypomecis umbrosaria (Hulst, 1888)
Idaea demissaria (Hubner, [1831])
Idaea furciferata (Packard, 1873)
Idaea obfusaria (Walker, 1861)
Ilexia intractata (Walker, [1863])
Iridopsis defectaria (Guenee, [1858])
Iridopsis larvaria (Guenee, [1858])
Lambdina fiscellaria (Guenee, 1857)
Lambdina fervidaria (Hubner, 1827)
Lambdina pellucidaria (G. & R., 1867)
Leptostales ferruminaria (Zeller, 1872)
Leptostales pannaria (Guenee, [1858])
Leptostales rubromarginaria (Packard, 1871)
Lobocleta ossularia (Geyer, 1837)
Lomographa glomeraria (Grote, 1881)
Lomographa vestaliata (Guenee, [1858])
Lycia ypsilon (S.A. Forbes, 1885)
Lytrosis heitzmanorum Rindge, 1971
Lytrosis sinuosa Rindge, 1971
Lytrosis unitaria (Herrich-Schafter, 1854)
Macaria aemulataria (Walker, 1861)
Macaria aequiferaria (Walker, 1861)
Macaria bicolorata (Fabricius, 1798)
Macaria distribuaria (Hubner, 1825)
Macaria minorata (Packard, 1873)
Macaria multilineata (Packard, 1873)
Macaria promiscuata Ferguson, 1974
Macaria transitaria (Walker, 1861)
Melanochroia chephise (Cramer, 1782)
Melanolophia signataria (Walker, 1860)
Mellilla xanthometata (Walker, 1862)
Mesoleuca ruficillata (Guenee, 1857)
Metarranthis angularia Barnes and McDunnough, 1917
Metarranthis duaria (Guenee, 1857)
Metarranthis homuraria (Grote & Robinson, 1868)
Metarranthis hypocharia (Herrich-Schafter, [1854])
Metarranthis obfirmaria (Hubner, 1823)
Nacophora quernaria (J. E. Smith, 1797)
Nematocampa resistaria (Herrich-Schafter, [1856])
Nemoria lixaria (Guenee, 1857)
Nemoria mimosaria (Guenee, 1857)
Nemoria rubrifrontaria (Packard, 1873)
Nepytia canosaria (Walker, 1863)
Orthonama obstipata (Fabricius, 1794)
Paleacrita vernata (Peck, 1795)
Patalene olyzonaria (Walker, 1860)
Pero ancetaria (Hubner, 1806)
Pero honestaria (Walker, 1860)
Pero hubneraria (Guenee, 1857)
Petrophora divisata Hubner, [1811]
Phaeoura quernaria (J.E. Smith, 1797)
Phigalia denticulate Hulst, 1900
Phigalia strigataria (Minot, 1869)
Phigalia titea (Cramer, [1780])
Philtraea monillata Buckett, 1971
Plagodis alcoolaria (Guenee, [1858])
Plagodis fervidaria (Herrich-Schafter, 1854)
Plagodis phlogosaria (Guenee, 1857)
Pleuroprucha insulsaria (Guenee, 1857)
Probole alienaria Herrich-Schafter, [1855]
Probole amicararia (Herrich-Schafter, [1855])
Prochoerodes lineola (Goeze, 1781)
Protitame virginalis (Hulst, 1900)
Protoboarmia porcelaria (Guenee, 1857)
Psamatodes abydata (Packard, 1873)
Scopula inductata (Guenee, [1858])
Scopula limboundata (Hawarth, 1809)
Scopula purata (Guenee, 1857)
Selenia kentaria (Grote & Robinson, 1867)
Speranza coortaria (Hulst, 1887)

Speranza pustularia (Guenee, 1857)
Speranza subcessaria (Walker, 1861)
Synchlora aerata (Fabricius, 1798)
Synchlora frondaria Guenee, [1858]
Tetracis cachexiata Guenee, [1858]
Tetracis crocallata Guenee, 1857
Timandra amaturaria (Walker, 1866)
Tornos scolopacinarius (Guenee, [1858])
Trigrammia quadrinotaria (Herrich-Schafter, 1855)
Virbia fragilis (Strecker, 1878)
Xanthotype urticaria Swett, 1918

Family Uraniidae (subfamily Epipleminae)

Calledapteryx dryopterata Grote, 1868
Callizzia amorata Packard, 1876

Family Mimallonidae

Cicinnus melsheimeri (Harris, 1841)
Lacosoma chiridota Grote, 1864

Family Apatelodidae

Apatelodes torrefacta (J. E. Smith, 1797)
Olceclostera angelica (Grote, 1864)

Family Lasiocampidae

Artace cribraria (Ljungh, 1825)
Malacosoma americanum (Fabricius, 1793)
Malacosoma dissiria Hubner, 1820
Phyllodesma americana (Harris, 1841)
Phyllodesma occidentis (Walker, 1855)
Tolype notialis Franclemont, 1973
Tolype vellea (Stoll, 1791)

Family Saturniidae

Actias luna (Linnaeus, 1758)
Anisota senatoria (J. E. Smith, 1797)
Anisota stigma (Fabricius, 1775)
Anisota virginiana (Drury, 1773)
Antheraea polyphemus (Cramer, 1776)
Automeris io (Fabricius, 1775)
Callosamia angulifera (Walker, 1855)
Callosomia promethia (Drury, 1773)
Citheronia regalis (Fabricius, 1793)
Dryocampa rubicunda (Fabricius, 1793)
Eacles imperialis (Drury, 1773)
Hemileuca maia (Drury, 1773)
Hyalophora cecropia (Linnaeus, 1758)
Sphingicampa bicolor (Harris, 1841)
Sphingicampa bisecta (Lint, 1879)

Family Sphingidae

Aellopos titan (Cramer, 1777)
Agrius cingulata (Fabricius, 1775)
Amorpha juglandis (J. E. Smith, 1797)
Amphion floridensis B. P. Clark, 1920
Ceratomia amyntor (Geyer, 1835)
Ceratomia catalpae (Boisduval, 1875)

Ceratomia hageni Grote, 1874
Ceratomia undulosa (Walker, 1856)
Darapsa choerilus (Cramer, 1776)
Darapsa myron (Cramer, 1780)
Darapsa versicolor (Harris, 1839)
Deidamia inscripta (Harris, 1839)
Dolba hyloeus (Drury, 1773)
Erinnys ello (Linnaeus, 1758) (stray)
Erinnys obscura (Fabricius, 1775)
Eumorphia achemon (Drury, 1773)
Eumorphia fasciata (Sulzer, 1776)
Eumorphia pandorus (Hubner, 1821)
Hemaris diffinis (Boisduval, 1836)
Hemaris gracilis (Grote & Robinson, 1865)
Hemaris thysbe (Fabricius, 1775)
Hyles lineata (Fabricius, 1775)
Isoparce cupressi (Boisduval, 1875)
Manduca jasminearum (Guerin, 1829-1831)
Manduca quinquemaculata (Hawarth, 1803)
Manduca rustica (Fabricius, 1775)
Manduca sexta (Linnaeus, 1763)
Pachysphinx modesta (Harris, 1839)
Paonias astylus (Drury, 1773)
Paonias excaecatus (J. E. Smith, 1797)
Paonias myops (J. E. Smith, 1797)
Paratreia plebeja (Fabricius, 1777)
Smerinthus jamaicensis (Drury, 1773)
Sphecodina abbotti (Swainson, 1821)
Sphinx chersis (Hubner, 1823)
Sphinx drupiferarum J. E. Smith, 1797
Sphinx kalmiae J. E. Smith, 1797
Xylophanes tersa (Druce, 1878)

Family Notodontidae

Cerura scitiscrita Walker, 1865
Clostera inclusa (Hubner, [1831])
Dasylophia anguina (J. E. Smith, 1797)
Dasylophia thyatiroides (Walker, 1862)
Datana angusii Grote & Robinson, 1866
Datana contracta Walker, 1855
Datana drexelii Henry Edwards, 1884
Datana integerrima Grote & Robinson, 1866
Datana major Grote & Robinson, 1866
Datana ministra (Drury, 1773)
Datana perspicua Grote & Robinson, 1865
Ellida caniplaga (Walker, 1856)
Furcula borealis (Guerin-Meneville, 1844)
Furcula cinerea (Walker, 1865)
Gluphisia septentrionis Walker, 1855
Heterocampa biundata Walker, 1855
Heterocampa guttivitta (Walker, 1855)
Heterocampa obliqua Packard, 1864
Heterocampa subrotata Harvey, 1874
Heterocampa umbrata Walker, 1855
Hyparpax aurora (J. E. Smith, 1787)
Hyperaeschra georgica (Herrich-Schafter, 1855)
Litodonta hydeomeli Harvey, 1876

Lochmaeus bilineata (Packard, 1864)
Lochmaeus manteo Doubleday, 1841
Macrurocampa marthesia (Cramer, [1780])
Misogada unicolor (Packard, 1864)
Nadata gibbosa (J. E. Smith, 1797)
Nerice bidentata Walker, 1855
Oligocentria lignicolor (Walker, 1855)
Oligocentria smirufescens (Walker, 1865)
Peridea angulosa (J. E. Smith, 1797)
Peridea basitriens (Walker, 1855)
Schizura badia (Packard, 1864)
Schizura concinna (J. E. Smith, 1797)
Schizura ipomoeae Doubleday, 1841
Schizura leptinoides (Grote, 1864)
Schizura unicornis (J. E. Smith, 1797)
Symmerista albifrons (J. E. Smith, 1797)

Family Erebidae (subfamily Arctiinae)

Apantesis nais (Drury, 1773)
Apantesis phalerata (Harris, 1841)
Apantesis vittata (Fabricius, 1787)
Cisseps fulvicolis (Hubner, 1818)
Cisthene juanita Barnes & Benjamin, 1925 (stray)
Cisthene packardii (Grote, 1863)
Cisthene plumbea Stretch, 1885
Cisthene unifascia Grote & Robinson, 1868
Clemensia albata Packard, 1864
Crambidia pallida Packard, 1864
Ctenucha virginica (Esper, 1794)
Cycnia inopinatus (Drury, 1773)
Cycnia inopinatus (Henry Edwards, 1882)
Cycnia tenera Hubner, 1818
Hypercompe scribonia (Stoll, 1790)
Estigmene acrea (Drury, 1773)
Euchaetes egle (Drury, 1773)
Euerythra phasma Harvey, 1876
Grammia anna (Grote, 1864)
Grammia arge (Drury, 1773)
Grammia doris (Boisduval, 1869)
Grammia figurata (Drury, 1773)
Grammia parthenice intermedia (Stretch, 1873)
Grammia phyllira (Drury, 1773)
Halysidota tessellaris (J. E. Smith, 1797)
Haploa clymene (Brown, 1776)
Haploa contigua (Walker, 1855)
Haploa lecontei (Guerin-Meneville, 1832)
Haploa reversa (Stretch, 1885)
Hyphantria cunea (Drury, 1773)
Hypoprepia fucosa Hubner, 1827-31
Hypoprepia miniata (Kirby, 1837)
Lycomorpha pholus (Drury, 1773)
Pagara simplex Walker, 1856
Pyrpharctia isabella (J. E. Smith, 1797)
Spilosoma congrua Walker, 1855
Spilosoma virginica (Fabricius, 1798)
Utetheisa ornatrix (Linnaeus, 1758)
Virbia aurantiaca (Hubner, 1827-31)

Virbia laeta (Guerin-Meneville, 1832)
Virbia opella (Grote, 1863)

Family Erebidae (subfamily Lymantriinae)

Dasychia basiflava (Packard, 1864)
Dasychia meridionalis memorata Ferguson, 1977
Dasychira atrivenosa (Palm, 1873)
Dasychira dorsipennata (Barnes and McDunnough, 1919)
Dasychira obliquata (Grote & Robinson, 1866)
Dasychira tephra Hubner, 1809
Orgyia leucostigma (J. E. Smith, 1797)

Family Erebidae (subfamily Herminiinae)

Bleptina caradrinalis Guenee, 1854
Bleptina inferior Grote, 1872
Bleptina sangamonica Barnes and McDunnough, 1912
Chytolita morbidalis (Guenee, 1854)
Chytolita petrealis Grote, 1880
Idia aemula Hubner, 1813
Idia americana (Guenee, 1854)
Idia diminuendis (Barnes and McDunnough, 1918)
Idia forbesii (French, 1894)
Idia julia (Barnes and McDunnough, 1918)
Idia lubricalis (Geyer, 1832)
Idia majoralis (Smith, 1899)
Idia rotundalis (Walker, 1866)
Lascoria ambigualis Walker, 1866
Macrochilo absorptalis Walker, 1859
Palthis angulalis (Hubner, 1796)
Palthis asopialis (Guenee, 1854)
Phalaenophana pyramusalis (Walker, 1859)
Phalaenostola larentioides Grote, 1873
Phalaenostola metonalis (Walker, 1859)
Renia adspersgillus (Bosc, 1800)
Renia discoloralis Guenee, 1854
Renia flavipunctalis (Geyer, 1832)
Renia fraternalis Smith, 1895
Renia nemoralis Barnes and McDunnough, 1918
Renia sobrialis (Walker, 1859)
Tetanolita floridana (Smith, 1895)
Tetanolita mynesalis (Walker, 1859)

Family Erebidae (subfamily Hypeninae)

Colobochyla interpuncta (Grote, 1872)
Hypena abalienalis (Walker, 1859)
Hypena baltimoralis (Guenee, 1854)
Hypena bijugalis (Walker, 1859)
Hypena madefactalis (Guenee, 1854)
Hypena manalis (Walker, 1859)
Hypena palparia (Walker, 1861)
Hypena sordidula (Grote, 1872)
Hypena scabra (Fabricius, 1789)
Ommatochila mundula (Zeller, 1872)

Family Erebidae (subfamily Pangraptinae)

Ledaea perditalis (Walker, 1859)
Pangrapta decoralis Hubner, 1818

Family Erebidae (subfamily Phytometrinae)

Hemeroplanis scopulepes (Haworth, 1809)
Isogona tenuis (Grote, 1872)

Family Erebidae (subfamily Boletobiinae)

Metalectra discalis (Grote, 1876)

Family Erebidae (subfamily Scolecocampinae)

Scolecocampa liburna (Geyer, 1837)

Family Erebidae (subfamily Eulepidontinae)

Phyprosopus callitrichoides Grote, 1872

Family Erebidae (subfamily Hypocalinae)

Hypsoropha hormos Hubner, 1818
Hypsoropha monilis (Fabricius, 1777)

Family Erebidae (subfamily Hypenodinae)

Hypenodes fractilinea (Smith, 1908)
Schrankia macula (Druce, 1891)

Family Erebidae (subfamily Erebine)

Allotria elonympha (Hubner, 1818)
Anticarsia gemmatalis Hubner, 1818
Argyrostromis anilis (Drury, 1773)
Ascalapha odorata (Linnaeus, 1758) (migrant)
Bulia deducta (Morrison, 1875)
Caenurgia chloropha (Hubner, 1818)
Catocala agrippina Strecker, 1874
Catocala alabamae Grote, 1875
Catocala amatrix (Hubner, 1809-13)
Catocala amestris Strecker, 1874
Catocala amica (Hubner, 1818)
Catocala andromedae Guenee, 1852
Catocala angusi Grote, 1876
Catocala connubialis Guenee, 1852
Catocala cara Guenee, 1852
Catocala carissima Hulst, 1880
Catocala cerogama Guenee, 1852
Catocala coccinata Grote, 1872
Catocala concumbens Walker, 1858
Catocala consors (J. E. Smith, 1797)
Catocala crataegi Saund, 1876
Catocala dejecta Strecker, 1880
Catocala delilah Strecker, 1874
Catocala epione (Drury, 1773)
Catocala flebilis Grote, 1872
Catocala gracilis Edwards, 1864
Catocala herodias Strecker, 1876
Catocala ilia (Cramer, 1776)
Catocala illecta Walker, 1858
Catocala imubens Guenee, 1852
Catocala judith Strecker, 1874
Catocala junctura Walker, 1858
Catocala lacrymosa Guenee, 1852
Catocala maestosa Hulst, 1884
Catocala micronympha Guenee, 1852

Catocala mira Grote, 1876
Catocala nebulosa Edwards, 1864
Catocala neogama (J. E. Smith, 1797)
Catocala obscura Strecker, 1873
Catocala palaeogama Guenee, 1852
Catocala residua Grote, 1874
Catocala resecta Grote, 1872
Catocala sappho Strecker, 1874
Catocala similis Edwards, 1864
Catocala subnata Grote, 1864
Catocala ulalume Strecker, 1878
Catocala ultronia (Hubner, 1823)
Catocala unijuga Walker, 1858
Catocala vidua (J. E. Smith, 1797)
Catocala whitneyi Dodge, 1874
Cissusa spadix (Cramer, 1780)
Diphthera festiva (Fabricius, 1775)
Drasteria graphica Hubner, 1818
Euclidia cuspidata (Hubner, 1818)
Euparthenos nubilis (Hubner, 1823)
Hemeroplanis scopulepes (Haworth, 1809)
Lesmone detrahens (Walker, 1858)
Melipotis indomita (Walker, 1858)
Metalectra quadrisignata (Walker, 1858)
Papaipema cataphracta (Grote, 1864)
Panagraptia decoralis Hubner, 1818
Panopoda carneicosta Guenee, 1852
Panopoda rufimargo (Hubner, 1818)
Parallela bistriaris Hubner, 1818
Phoberia atomaris Hubner, 1818
Plusiodonta compressipalpis Guenee, 1852
Ptichodis herbarum (Guenee, 1852)
Spiloloma lunilinea Grote, 1873
Thysania zenobia (Cramer, 1777)
Zale aeruginosa (Guenee, 1852)
Zale confusa McDunnough, 1940
Zale galbanata (Morrison, 1876)
Zale helata (Smith, 1908)
Zale horrida Hubner, 1818
Zale lunata (Drury, 1773)
Zale lunifera (Hubner, 1818)
Zale metatoides McDunnough, 1943
Zale minerea (Guenee, 1852)
Zale squamularis (Drury, 1773)
Zale undularis (Drury, 1773)
Zale unilineata (Grote, 1876)

Family Erebidae (subfamily Eublemminae)

Panagraptia decoralis Hubner, 1818

Family Erebidae (subfamily Rivulines)

Rivula propinqualis Guenee, 1854

Family Erebidae (subfamily Scolecocampinae)

Amolita fessa Grote, 1874
Nigetia formosalis Walker, 1866
Sigela eoides (Barnes & McDunnough, 1913)

Family Nolidae

Baileya acadiana Brou, 2004
Baileya australis (Grote, 1881)
Baileya dormitans (Guenee, 1852)
Baileya levitans (Smith, 1906)
Baileya ophthalmica (Guenee, 1852)
Meganola minuscula (Zeller, 1872)
Nola pustulata (Walker, 1865)
Nola triquetra (Fitch, 1856)

Family Eutelliidae

Marathyssa basalis Walker, 1865
Marathyssa inficita (Walker, 1865)
Paectes abrostolella (Walker, 1866)
Paectes abrostoloides (Guenee, 1852)
Paectes flabella (Grote, 1879)
Paectes oculatrix (Guenee, 1852)
Paectes pygmaea Hubner, 1818

Family Noctuidae

Abagrotis (Rhynchagrotis) belfragei (Smith, 1890)
Abagrotis alternata (Grote, 1864)
Achatia distincta Hubner, 1813
Acronicta afflicta Grote, 1864
Acronicta albarufa (Grote, 1874)
Acronicta americana (Harris, 1841)
Acronicta brumosa Guenee, 1852
Acronicta clarescens Guenee, 1852
Acronicta exilis Grote, 1874
Acronicta funeralis Grote & Robinson, 1866
Acronicta grisea Walker, 1856
Acronicta haesitata (Grote, 1882)
Acronicta hasta Guenee, 1852
Acronicta heitzmani Covell & Metzler, 1992
Acronicta impleta Walker, 1856
Acronicta inclarata Smith, 1900
Acronicta increta Morrison, 1974
Acronicta interrupta Guenee, 1852
Acronicta lepusculina Guenee, 1852
Acronicta lithospila Grote, 1874
Acronicta lobelia Guenee, 1852
Acronicta longa Guenee, 1852
Acronicta modica Walker, 1856
Acronicta morula Grote & Robinson, 1868
Acronicta noctivaga Grote, 1864
Acronicta oblongata (J. E. Smith, 1797)
Acronicta ovata Grote, 1873
Acronicta radcliffei (Harvey, 1875)
Acronicta retardata (Walker, 1861)
Acronicta spinigera Guenee, 1852
Acronicta tritona (Grote, 1818)
Acronicta vinnula (Grote, 1864)
Ctenoplusia oxygramma (Geyer, 1832)
Agnorisma badinodis (Grote, 1874)
Agnorisma bollii (Grote, 1881)
Agnorisma bugrai (Koçak, 1983)
Agriopodes fallax (Herrich-Schäfer, 1854)

Anterastria teratophora (Herrich-Schäfer, 1854)
Agrotis gladiaria Morrison, 1874
Agrotis ipsilon (Hufnagel, 1766)
Agrotis malefida Guenee, 1852
Agrotis venerabilis Walker, 1857
Agrotis vetusta Walker, 1865
Allagrapha aerea (Hubner, 1802-03)
Alypia octomaculata (Fabricius, 1775)
Amphipyra pyramidoides Guenee, 1852
Amyna bullula (Grote, 1873)
Anagrapha falcifera (Kirby, 1837)
Anicla illapsa (Walker, 1857)
Anicla infecta (Ochsenheimer, 1816)
Anicla lubricans (Guenee, 1852)
Anicla simplicius (Morrison, 1874)
Anicla sullivanii Lafontaine, 2004
Apamea cariosa (Guenee, 1852)
Apamea lignicolora (Guenee, 1852)
Apamea sordens (Hufnagel, 1766)
Apamea vulgaris (Grote & Robinson, 1866)
Argyrogramma verruca (Fabricius, 1794)
Arugisa lutea (J. B. Smith, 1900)
Athetis tarda (Guenee, 1852)
Autographa precationis (Guenee, 1852)
Azenia obtusa (Herrich-Schäfer, 1854)
Balsa labecula (Grote, 1880)
Balsa tristigella (Walker, 1866)
Caenurgina erechtea (Cramer, 1780)
Celiptera frustulum Guenee, 1852
Callopietria cordata (Ljungh, 1825)
Callopietria mollissima (Guenee, 1852)
Copivaleria grotei (Morrison, 1874)
Cerastis tenebrifera (Walker, 1865)
Cerma cerintha (Treitckhe, 1826)
Charadra deridens (Guenee, 1952)
Choephora fungorum Grote & Robinson, 1868
Chrysanympa formosa (Grote, 1865)
Chytonix palliatricula (Guenee, 1852)
Cirrhophanus pretiosa (Morrison, 1875)
Cirrhophanus triangulifera Grote, 1872
Colocasia propinquilinea (Grote, 1873)
Condica sutor (Guenee, 1852)
Condica vecors (Guenee, 1852)
Condica videns (Guenee, 1852)
Cosmia calami (Harvey, 1876)
Cucullia alfarata Strecker, 1898
Dargida diffusa (Walker, 1856)
Dargida rubripennis (Grote & Robinson, 1870)
Derrima stellata Walker, 1858
Dichagyris grotei Herrich-Schäfer, 1868
Drasteria grandirena (Hawarth, 1809)
Drasteria pallascens (Grote & Robinson, 1866)
Egira alternans (Walker, 1857)
Elaphria festivoidea (Guenee, 1852)
Elaphria grata Hubner, 1818
Elaphria versicolor (Grote, 1875)
Elaphria chalconia (Hubner, 1803-08)

- Elaphria georgei* (Moore & Rawson, 1939)
Enigmogramma basigera (Walker, 1865)
Eosphoropteryx thyatyroides (Guenee, 1852)
Eucirroedia pampina (Guenee, 1852)
Eudryas grata (Fabricius, 1793)
Eudryas unio (Hubner, 1827-31)
Euplexia benesimilis McDunnough, 1922
Eupsilia vinulenta (Grote, 1864)
Euxoa immixta (Grote, 1881)
Euxoa mimallonis (Grote, 1873)
Feltia subterranea (Fabricius, 1794)
Feltia geniculata Grote & Robinson, 1868
Feltia jaculifera (Guenee, 1852)
Feltia herilis (Grote, 1873)
Felita subterranea (Fabricius, 1790)
Feralia major Smith, 1890
Galgula partita Guenee, 1852
Gonodonta sicheas (Cramer, 1777)
Harrisimemma trisignata (Walker, 1856)
Heliothis sublexus Guenee, 1852
Heliothis lupatus (Grote, 1975)
Helicoverpa zea (Boddie, 1850)
Himella fidelis (Morrison, 1874)
Homophoberia apicosa (Hawarth, 1809)
Homohadena infixa (Walker, 1856)
Hyperstrotia pervertens (Barnes and McDunnough, 1918)
Hyperstrotia secta (Grote, 1879)
Hyperstrotia villificans (Barnes and McDunnough, 1918)
Iodopela u-album (Guenee, 1852)
Ipimorpha pleonectusa (Grote, 1873)
Lacinipolia anguina (Grote, 1881)
Lacinipolia implicata McDunnough, 1937
Lacinipolia lorea (Guenee, 1852)
Lacinipolia renigera (Stephens, 1829)
Leucania adjuta (Grote, 1814)
Leucania extincta Guenee, 1852
Leucania inermis (Forbes, 1936)
Leucania linda Franclemont, 1952
Leucania scirpicola Guenee, 1852
Leuconycta diptheroides (Guenee, 1852)
Litodonta hydromeli Harvey, 1876
Lithophane lemmeri (Barnes & Benjamin, 1929)
Maliattha synochitis (Grote & Robinson, 1868)
Marimatha nigrofimbria (Guenee, 1852)
Megalographa biloba (Stephens, 1830)
Melanchra adjunct (Guenee, 1852)
Melanomma auricinctaria Grote, 1875
Mesapamea fractilinea (Grote, 1874)
Metalectra quadrisignata (Walker, 1855)*
Metaxaglaea inulta (Grote, 1874)
Metaxaglaea viatica (Grote, 1874)
Metaxaglaea violacea Schweitzer, 1979
Mocis latipes (Guenee, 1852)
Mocis texana (Morrison, 1875)
Morrisonia latex (Guenee, 1852)
Morrisonia confusa (Hubner, 1827-31)
Morrisonia mucens (Hubner, 1827-31)
Morrisonia triangula Sullivan & Adams, 2009
Mythimna unipuncta Franclemont, 1951
Nedra ramosula (Guenee, 1852)
Nephelodes minians Guenee, 1852
Nola cilicoides (Grote, 1873)
Ogdoconta cinereola (Guenee, 1852)
Oligia modica (Guenee, 1852)
Orthodes cynica Guenee, 1852
Orthodes majuscula Herrich-Schaffer, 1868
Orthosia garmani (Grote, 1879)
Orthosia hibisci (Guenee, 1852)
Oxycilla mitographa (Grote, 1873)
Ozarba aeria (Grote, 1881)
Ozarba nebula Barnes and McDunnough, 1918
Panthea furcilla (Packard, 1864)
Papaipema baptisiae (Bird, 1902)
Papaipema eryngii Bird, 1917
Peridroma saucia (Hubner, 1803-08)
Perigea xanthioides Guenee, 1852
Phosphila miselioides (Guenee, 1852)
Phytometra ernestinana (Blanchard, 1840)
Plagiomimicus pityochromus Grote, 1873
Polychrysis morigera (Henry Edwards, 1886)
Polygrammate hebraeicum Hubner, 1818
Ponometia fasciatella (Grote, 1975)
Ponometia binocula (Grote, 1875)
Ponometia candefacta (Hubner, 1831)
Ponometia tortricina (Zeller, 1872)
Ponometia exigua (Fabricius, 1793)
Protapamea danieli Quinter, 2009
Protodeltote muscosula (Guenee, 1852)
Protolampra brunneicollis (Grote, 1865)
Proxenus miranda (Grote, 1873)
Psaphida electilis (Moor, 1875)
Psaphida grandis Smith, 1898
Psaphida rolandi Grote, 1874
Psaphida resumens Walker, 1865
Pseudeustrotia carneola (Guenee, 1852)
Pseudeva purpurigera (Walker, 1858)
Pseudoplusia includens (Walker, 1858)
Pseudorthodes vecors (Guenee, 1852)
Psychomorpha epimenis (Drury, 1782)
Pyrrhia cilisca (Lafontaine & Mikkola, 199)
Rachiplusia ou (Guenee, 1852)
Raphia abrupta Grote, 1864
Schinia arcigera (Guenee, 1852)
Schinia bina (Guenee, 1852)
Schinia chrysellus (Grote, 1874)
Schinia gaurae (J. E. Smith, 1797)
Schinia gracilentia Hubner, 1818
Schinia jaguarina (Guenee, 1852)
Schinia lynx (Guenee, 1852)
Schinia mortua (Grote, 1865)
Schinia nundina (Drury, 1773)
Schinia parmaliana (Henry Edwards, 1882)
Schinia rivulosa (Guenee, 1852)
Schinia sanguinea (Geyer, 1832)

Schinia saturata (Guenee, 1874)
Schinia septentrionalis (Walker, 1858)
Schinia tertia (Grote, 1874)
Schinia trifascia Hubner, 1818
Sericaglaea signata (French, 1879)
Spodoptera eridania (Cramer, 1784)
Spodoptera frugiperda (J. E. Smith, 1797)
Spodoptera ornithogalli (Guenee, 1852)
Spodoptera littoralis (Guenee, 1852)
Spragueia apicalis apicella (Grote, 1872)
Spragueia dama (Guenee, 1852)
Spragueia leo (Guenee, 1852)
Stiria rugifrons Grote, 1874
Sunira bicolorago (Guenee, 1852)
Sympistis badistriga (Grote, 1872)
Sympistis induta Harvey, 1874
Tarache aprica (Hubner, 1802)
Tarache tetragona Walker, 1858
Tricholita notata Streckel, 1898
Tricholita signata (Walker, 1860)
Trichoplusia ni (Hubner, 1800-03)
Tripudia flavofasciata Grote, 1877
Tripudia rectangular, Pogue, 2009
Xanthopastis timais (Cramer, 1782)
Xestia dolosa Franclemont, 1980
Xestia badicollis (Grote, 1873)
Xestia smithii (Snell, 1896)
Xystocheilus rufago (Hubner, 1818)
Zanclognatha cruralis (Guenee, 1854)
Zanclognatha marcidilinea (Grote, 1872)
Zanclognatha lituralis (Hubner, 1818)
Zanclognatha martha Barnes, 1928
Zanclognatha obscuripennis (Grote, 1872)
Zanclognatha pedipilalis (Guenee, 1854)

Discussion

This preliminary checklist currently contains 1360 species representing 57 families. The checklist will continue to be updated. Updates will be available in searchable format at the following web site, <http://arkansaslepidopterasurvey.net/>

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