

NOMINA INSECTA NEARCTICA

CLASSIFICATION: LEPIDOPTERA

The primary source used for the Lepidoptera is the excellent and relatively recent check list: Hodges, R.W. et al. 1983. **Check List of the Lepidoptera of America north of Mexico**. Wedge Entomological Research Foundation. Washington. 284 pp. The family and higher classification of the non-Ditrysiid groups of the Lepidoptera follow: Nielsen, E.S. 1989. Phylogeny of major lepidopteran groups. in Fernholm, B., K. Bremer, and H. Jörnvall editors. **The Hierarchy of Life**. Elsevier Science Publishers. Amsterdam. pp. 281-294. The family and higher classification of the Ditrysiid follows (primarily): Minet, J. 1991. Tentative reconstruction of the ditrysiid phylogeny (Lepidoptera: Glossata). *Entomologica Scandinavica*, 22:69-95. The nature of the classifications proposed in these publications makes it difficult to assign traditional names to the levels in the classification. The categories between suborder and superfamily are the names of clades within the putative phylogeny of the Lepidoptera and cannot be interpreted as dichotomous. Please check the above references to get a better understanding of how these names are related to each other. Many of the most primitive groups of the Lepidoptera are not found in North America inducing a spotty appearance to the classification as listed below.

SUBORDER ZEUGLOPTERA

Superfamily MICROPTERIGOIDEA

MICROPTERIGIDAE

Epimartyria.

SUBORDER GLOSSATA

DACNONYPHA

Superfamily ERIOCRANIOIDEA

ERIOCRANIIDAE

Dyseriocrania, Eriocrania, Eriocraniella, Neocrania.

ACANTHOPTEROCTETIDAE

Acanthopteroctetes.

MYOGLOSSATA

NEOLEPIDOPTERA

EXOPORIA

Superfamily HEPIALOIDEA

HEPIALIDAE

Gazoryctra, Hepialus, Korscheltellus, Sthenopsis.

HETERONEURA

Superfamily NEPTICULOIDEA

NEPTICULIDAE

Artaversala, Ectoedemia, Etainia, Fomoria, Glaucolepis, Manoneura, Microcalypttris, Stigmella.

OPOSTEGIDAE

Opostegoides, Pseudopostega.

Superfamily TISCHERIOIDEA

TISCHERIIDAE

Tischeria.

Superfamily INCURVARIOIDEA

INCURVARIIDAE

Alloclemensia, Incurvaria, Paraclemensia, Phylloporia, Vespina.

PRODOXIDAE

Agavenema, Greya, Lampronia, Mesepiola, Parategitica, Prodoxus, Tegitica, Tetragma, Tridentiforma.

ADELIDAE

Adela, Cauchas, Elasmion.

HELIOZELIDAE

Antispila, Coptodisca, Heliozela.

DITRYZIA

Superfamily TINEOIDEA

ACROLOPHIDAE

Acrolophus, Amydria.

TINEIDAE

Amorphaga, Apreta, Augolychna, Bathroxena, Cephitinea, Ceratophaga, Chloropleca, Daviscardia, Diachorisia, Diataga, Doleromorpha, Dorata, Dyotopasta, Eccritothrix, Elatobia, Episcardia, Erechthias, Eudarcia, Homosetia, Homostinea, Hybroma, Hypoplesia, Isocorypha, Kearfottia, Leucomele, Linderia, Mea, Monopis, Montescardia, Morophagoides, Nemapogon, Niditinea, Oenoe, Oinophila, Opogona, Phaeoses, Phereoeca, Phryganeopsis, Pompostolella, Praeaces, Scardia, Scardiella, Setomorpha, Stenoptinea, Tenaga, Tinea, Tineola, Tiquadra, Trichophaga, Tryptodema, Xylesthia.

PSYCHIDAE

Taleporiinae: *Solenobia.*

Psychinae: *Apterona, Astala, Basicladus, Coloneura, Cryptothelea, Hyaloscotus, Prochalia, Psyche, Zamopsyche.*

Oiketicinae: *Oiketicus, Thyridopteryx.*

GALACTICIDAE

Homadaula.

Superfamily GRACILLARIOIDEA

GRACILLARIIDAE

Gracillariinae: *Acrocercops*, *Apophthisis*, *Callisto*, *Caloptilia*, *Chilocampyla*, *Leucanthiza*, *Leucospilapteryx*, *Marmara*, *Metriochroa*, *Micrurapteryx*, *Neurobathra*, *Neurolipa*, *Neurostrota*, *Parectopa*, *Parornix*.

Lithocolletinae: *Cameraria*, *Chrysaster*, *Cremastobombycia*, *Phyllonorycter*, *Porphyrosela*, *Protolithocolletis*.

Phyllocnistinae: *Phyllocnistis*.

BUCCULATRIGIDAE

Bucculatrix.

DOUGLASIIDAE

Tinagma.

Superfamily GELECHIOIDEA

COLEOPHORIDAE

Coleophorinae: *Coleophora*.

Batrachedrinae: *Batrachedra*, *Chedra*, *Duospina*, *Homaledra*.

ELACHISTIDAE

Coelopoetinae: *Coelopoeta*.

Elachistinae: *Biselachista*, *Cosmiotes*, *Dicranoctetes*, *Elachista*, *Hemiprosopa*, *Onceroptila*, *Stephensia*.

OECOPHORIDAE

Depressariinae: *Agonopterix*, *Apachea*, *Bibarrambla*, *Depressaria*, *Depressariodes*, *Eupragia*, *Himmacia*, *Machimia*, *Nites*, *Psilocorsis*, *Semioscopis*.

Peleopodinae: *Durrantia*, *Pseuderotis*.

Stenomatininae: *Antaeotricha*, *Gonioterma*, *Menesta*, *Menestomorpha*, *Rectiostoma*.

Oecophorinae: *Batia*, *Borkhausenia*, *Brymblia*, *Carcina*, *Carolana*, *Cyphacma*, *Dafa*, *Decantha*, *Denisia*, *Eido*, *Endrosis*, *Epicallima*, *Esperia*, *Fabiola*, *Hofmannophila*, *Idioglossa*, *Inga*, *Martyringa*, *Mathildana*, *Pleurota*, *Polix*, *Stathmopoda*.

Chimbachinae: *Cheimophila*.

Not placed to subfamily in database: *Chlamydistis*.

ETHMIIDAE

Ethmia, *Pseudethmia*, *Pyramidobela*.

SYMMOCIDAE

Gerdana, *Glyphidocera*, *Oegoconia*, *Sceptea*, *Symmoca*.

LECTHOCERIDAE

Deoclona.

SCYTHRIDIDAE

Areniscythis, *Arotrura*, *Asymmetrura*, *Neoscythis*, *Rhamphura*, *Scythis*.

BLASTOBASIDAE

Asaphocrita, *Blastobasis*, *Calosima*, *Holcocera*, *Hypatopa*, *Mastema*, *Pigritia*.

MOMPHIDAE

Mompha, *Synallagma*.

AGONOXENIDAE

Blastodacninae: *Blastodacna*, *Chrysoclista*, *Tetanocentria*.

COSMOPTERIGIDAE

Antequerinae: *Antequera*, *Euclementia*.

Cosmopteriginae: *Anoncia*, *Cosmopterix*, *Eralea*, *Limnaecia*, *Melanocinclis*, *Pebops*, *Pyroderces*, *Stagmatophora*, *Tanygona*, *Teladoma*, *Triclonella*.

Chrysopeleinae: *Afeda*, *Chrysopeleia*, *Ithome*, *Nepotula*, *Obithome*, *Perimede*, *Periploca*, *Pristen*, *Siskiwitia*, *Sorhagenia*, *Stilbosis*, *Synploca*, *Walshia*.

GELECHIIDAE

Anomologinae: *Chrysoesthia*, *Enchrysa*, *Isophrictis*, *Megacraspedus*, *Metzneria*, *Monochroa*, *Nealyda*, *Theisoa*.

Gelechiinae: *Agnippe*, *Agonochaetia*, *Argyrolacia*, *Aristotelia*, *Arla*, *Aroga*, *Arogalea*, *Athrips*, *Bryotropha*, *Calliprora*, *Caryocolum*, *Chionodes*, *Coleotechnites*, *Deltophora*, *Eudactylota*,

Evippe, Exceptia, Exoteleia, Faculta, Fascista, Filatima, Friseria, Frumenta, Gelechia, Glauce, Gnorimoschema, Keiferia, Leucogoniella, Lita, Mirificarma, Naera, Neodactylota, Neofaculta, Neotelphusa, Numata, Phthorimaea, Polyhymno, Pseudochelaria, Pseudotelphusa, Ptycerata, Recurvaria, Rifseria, Scrobipalpa, Scrobipalpula, Sinoe, Sophronia, Sriferia, Stegasta, Stereomita, Symmetrischema, Taygete, Teleiodes, Teleiopsis, Telphusa, Tildenia, Tosca, Trypanisma, Xenolechia, Ymeldia.

Anacampsinæ: *Anacampsis, Aproaerema, Battaristis, Compsolechia, Holophysis, Strobisia, Syncopacma, Untomia.*

Chelariinae: *Anarsia, Epilechia, Hypatima, Pectinophora, Platypedra, Prostomeus, Sitotroga.*

Dichomeridinae: *Brachyacma, Dichomeris, Helcystogramma, Scodes.*

Superfamily YPONOMEUTOIDEA

Classification of the Yponomeutoidea taken from: Kyrki, J. 1990. Tentative reclassification of holarctic Yponomeutoidea (Lepidoptera). *Nota Lepidopterologica*, 13:28-42.

YPSOLOPHIDAE

Euceratia, Ochsenheimeria, Ypsolopha.

YPONOMEUTIDAE

Hyponomeutinae: *Eucalantica, Euhyponomeutoides, Ocnerostoma, Swammerdamia, Yponomeuta, Zelleria.*

Attevinæ: *Atteva.*

Praydinae: *Atemelia, Eucatagma.*

Argyresthiinae: *Argyresthia.*

Not placed to subfamily in database: *Podiasa.*

PLUTELLIDAE

Plutellinae: *Eidophasia, Plutella, Rhigognostis.*

Acrolepiinae: *Acrolepiopsis, Digitivalva.*

No subfamily listed in database: *Araeolepia, Pliniaca.*

GLYPHIPTERIGIDAE

Glyphipteriginae: *Abrenthia, Diploschizia, Drymoana, Glyphipterix, Neomachlotica.*

HELIODINIDAE

Cycloplasis, Heliodines, Lamprolophus, Lithariapteryx, Scelorthus.

BEDELLIIDAE

Bedellia.

LYONETIIDAE

Cemiosominæ: *Leucoptera, Paraleucoptera, Proleucoptera.*

Lyonetiinae: *Lyonetia.*

Unplaced to subfamily in database: *Acanthocnemes, Corythophora, Eulyonetia, Euprora, Exegetia, Philonome.*

APODITRYZIA

Superfamily COSSOIDEA

COSSIDAE

Hypoptinae: *Givira, Hypopta, Inguromorpha.*

Cossulinae: *Cossula.*

Cossinae: *Acosus, Comadia, Fania, Prionyxystus, Toronia.*

Zeuserinae: *Aramos, Hamilcara, Morpheis, Psycho noctua, Zeuzera.*

Superfamily SESIOIDEA

SESIIDAE

The classification is from: Eichlin, T.D., and W. D. Duckworth. 1988. **Moths of America north of Mexico. Sesiioidea, Sesiidae.** Fascicle 5.1. 176 pp. + 4 plates.

Tinthiinae: *Pennisetia, Sophona, Zenodoxus.*

Paranthreninae: *Albuna, Cissuvora, Euhagena, Paranthrene, Vitacea.*

Sesiinae: *Alcathoe, Calasesia, Carmenta, Hymenoclea, Melittia, Osminia, Palmia, Penstemonia, Podosesia, Sannina, Sesia, Synanthedon.*

Superfamily ZYGAENOIDEA**ZYGAENIDAE**

Classification from: Tarmann, G. 1984. **Generische Revision der amerikanischen Zygaenidae mit Beschreibung neuer Gattungen und Arten (Insecta: Lepidoptera).** Entomofauna, Suppl. 2(1):1- 176.

Procridinae: *Acolothus, Harrisina, Neoalbertia, Neofelderia, Neoiliberis, Neoprocris, Pyromorpha, Triprocris.*

EIPYROPIDAE

Fulgoraecia.

MEGALOPYGIDAE

Megalopyge, Norape, Trosia.

DALCERIDAE

Dalcerides.

LIMACODIDAE

Acharia, Adoneta, Alarodia, Apoda, Cnidocampa, Cryptophobetron, Epiperola, Euclea, Heterogenea, Isa, Isochaetes, Kronaea, Lithacodes, Monoleuca, Natada, Packardia, Parasa, Phobetron, Prolimacodes, Slossonella, Tortricidia.

LACTURIDAE

Lactura.

Superfamily CHOREUTOIDEA**CHOREUTIDAE**

Brenthinae: *Brenthia.*

Choreutinae: *Anthophila, Caloreas, Choreutis, Hemerophila, Prochoreutis, Tebenna, Tortyra.*

Superfamily TORTRICOIDEA**TORTRICIDAE**

Olethreutinae: *Ahmosia, Ancyilis, Apotomis, Aterpia, Bactra, Barbara, Cacocharis, Catastega, Chimoptesis, Corticivora, Crocidosema, Cydia, Dichrorampha, Ecdytolopha, Endothenia, Epiblema, Epinotia, Episimus, Ethelgoda, Eucosma, Eumarozia, Evora, Goditha, Grapholita, Gretchena, Gypsonoma, Hedyia, Hendecaneura, Hystrichophora, Larisa, Lobesia, Notocelia, Ofatulena, Olethreutes, Orthotaenia, Pammene, Pelochrista, Petrova, Phaecasiophora, Phaneta, Proteoteras, Pseudexentera, Pseudogalleria, Pseudosciaphila, Rhopobota, Rhyacionia, Rricula, Satronia, Sereda, Sonia, Spilonota, Strepsicrates, Suleima, Talponia, Tsinilla, Zeiraphera, Zomaria.*

Tortricinae: *Acleris, Acroplectis, Adoxophyes, Aethes, Amorbia, Anopina, Aphelia, Apotoforma, Archepandemis, Archips, Argyrotaenia, Auratonota, Cacoecimorpha, Carolella, Choristoneura, Clepsia, Cnephasia, Cochylis, Coelostathma, Croesia, Cudonigera, Decodes, Ditula, Dorithia, Eana, Eulia, Henricus, Irazona, Lorita, Lozotaenia, Niasoma, Pandemis, Phalonidia, Phitheochroa, Platynota, Ptycholoma, Sparganothis, Syllonoma, Synalocha, Syndemis, Synnoma, Thyraylia, Xenotemna.*

Chlidanotinae: *Hilarographa.*

Superfamily URODOIDEA

URODIDAE

Urodus.

Superfamily SCHRECKENSTEINIOIDEA

SCHRECKENSTEINIIDAE

Schreckensteinia.

Superfamily EPERMENIOIDEA

EPERMENIIDAE

Epermeniinae: *Epermenia.*

Ochromolopinae: *Ochromolopis, Parochromolopis.*

Superfamily ALUCITOIDEA

ALUCITIDAE

Alucita.

Superfamily PTEROPHOROIDEA

PTEROPHORIDAE

Agdistinae: *Agdistis.*

Platyptiliinae: *Amblyptilia, Anstenoptilia, Capperia, Cnaemidophorus, Dejongia, Geina, Gillmeria, Lantanophaga, Lioptilodes, Megalorrhypidia, Oxyptilus, Paraplatyptilia, Platyptilia, Sphenarches, Stangeia, Stenoptila, Stenoptilodes, Trichoptilus.*

Pterophorinae: *Adaina, Emmelina, Exelastis, Oidaematophorus, Pselnophorus, Pterophorus.*

OBTECTOMERA

Superfamily COPROMORPHOIDEA

COPROMORPHIDAE

Ellabella, Lotisma.

CARPOSINIDAE

Bondia, Carposina, Tesuquea.

Superfamily HYBLAEOIDEA

HYBLAEIDAE

Hyblaea.

Superfamily PYRALOIDEA

PYRALIDAE

Scopariinae: *Cosipara, Eudonia, Gesneria, Scoparia.*

Nymphulinae: *Argyractis, Chrysendeton, Contiger, Eoparagyractis, Langessa, Munroessa, Neargyractis, Neocataclysta, Nymphula, Nymphuliella, Oligostigmoides, Oxyelophila, Paraponyx, Petrophila, Synclita, Undulambia, Usingeriessa.*

- Odontiinae:** *Alatuncusia, Anatrallata, Chlorobapta, Chrismania, Cuneifrons, Cymbopteryx, Dichogama, Dichozoma, Edia, Eremante, Eustixia, Frechinia, Glaucodontia, Gyros, Heliothelopsis, Jativa, Metaxmeste, Metrea, Microtheoris, Mimoschinia, Mojavia, Mojaviodes, Nannobotys, Neocymbopteryx, Noctueliopsis, Odontivalvia, Plumipalpiella, Pogonogenys, Porphyrorhegma, Procymbopteryx, Psammobotys, Pseudoschinia, Rhodocantha.*
- Glaphyriinae:** *Abegesta, Aethiophysa, Chalcoela, Dicymolomia, Glaphyria, Hellula, Lipocosma, Lipocosmodes, Nephrogramma, Paragesta, Plumegesta, Scybalistodes, Stegea, Upiga, Xanthophysa.*
- Evergestinae:** *Cornifrons, Cylindrifrons, Evergestella, Evergestis, Orenaia, Prorasea, Trichistognatha.*
- Pyraustinae:** *Achyra, Agathodes, Algedonia, Anageshna, Anania, Antigastra, Apilocrocis, Apogeshna, Araschnopsis, Arenochroa, Asciodes, Ategumia, Atomopteryx, Azochis, Bicilia, Blepharomastix, Choristostigma, Colomychus, Compacta, Conchylodes, Condylorrhiza, Crocidocnemis, Crocidophora, Cryptobotys, Daulia, Desmia, Deuterophysa, Diacme, Diaphania, Diaphantania, Diasemiodes, Diasemiopsis, Diastictis, Diathrausta, Epicorsia, Epipagis, Ercta, Eulepte, Eurrhypara, Eurrhyparodes, Framinghamia, Fumibotys, Geshna, Glyphodes, Hahncappsa, Helvibotys, Herpetogramma, Hileithia, Hoterodes, Hyalorista, Hydriris, Hydropionea, Hymenia, Lamprosema, Lanifera, Leucochroma, Lineodes, Liopasia, Loxomorpha, Loxostege, Loxostegopsis, Lygropia, Lypotigris, Maracayia, Marasmia, Mecyna, Microphsetica, Microthyris, Mimophobetron, Mimorista, Munroeodes, Nascia, Nealgedonia, Neohelvibotys, Neoleucinodes, Nomophila, Oenobotys, Omiodes, Ommatospila, Ostrinia, Palpita, Palpusia, Pantographa, Penestola, Perispasta, Phaedropsis, Phlyctaenia, Phostria, Pilocrocis, Pleuroptya, Polygrammodes, Portentomorpha, Psara, Pseudopyrausta, Pyrausta, Rhetocraspeda, Salbia, Samea, Sameodes, Sathria, Saucrobotys, Sericoplaga, Sitochroa, Spoladea, Stemorrhages, Steniodes, Sufetula, Syllepis, Syllepte, Synclera, Syngamia, Terastia, Triuncidia, Udea, Uresiphita, Xanthostege.*
- Schoenobiinae:** *Acentria, Carectocultus, Donacaula, Leptosteges, Rupela.*
- Cybalomiinae:** *Cybalomia.*
- Ancylolomiinae:** *Eufernaldia, Mesolia, Prionapteryx, Pseudoschoenobius, Surattha.*
- Crambinae:** *Agriphila, Almita, Arequipa, Argyria, Catoptria, Chilo, Chrysoteuchia, Crambus, Diatraea, Diptychophora, Eoreuma, Epina, Euchromius, Fernandocrambus, Fissicrambus, Haimbachia, Hemiplatytes, La, Loxocrambus, Microcausta, Microcrambus, Neodactria, Occidentalina, Parapediasia, Pediasia, Platytes, Raphiptera, Tehama, Thaumatoptis, Thoepentis, Urola, Vaxi, Xubida.*
- Pyralinae:** *Aglossa, Dolichomia, Herculia, Hypsopygia, Neodavisia, Ocrasa, Pseudasopia, Pyralis, Uscodys.*
- Chrysauginae:** *Acallis, Anemosella, Arta, Basacalis, Blepharocerus, Bonchis, Caphys, Clydonopteron, Condylolomia, Epitamya, Galasa, Heliades, Lepidomys, Negalasa, Parachma, Penthesilea, Salobrena, Satole, Streptopalpia, Tetraschistis, Tosale, Xantippe, Zaboba.*
- Epipaschiinae:** *Cacozelia, Coenodomus, Deuterollyta, Epipaschia, Macalla, Milgithea, Oneida, Phidotricha, Pococera, Tallula, Toripalpus.*
- Galleriinae:** *Achroia, Alpheias, Alpheioides, Aphomia, Cacotheapia, Corcyra, Decaturia, Galleria, Omphalocera, Paralipsa, Thyridopyralis, Trachylepidia.*
- Phycitinae:** *Acrobasis, Acroncosa, Actrix, Adanarsa, Adelphia, Alberada, Ambesa, Amyeloidis, Anabasis, Anadelosemia, Ancylostomia, Anderida, Anegecephalesis, Anerastia, Anypsipyla, Apomyeloidis, Arispe, Atheloca, Australephestiodes, Bandera, Baphala, Barberia, Bertelia, Cabnia, Cactobrosis, Cadra, Cahela, Canarsia, Caristanius, Catastia, Caudellia, Chararica, Coenochroa, Crocidomera, Cryptoblabes, Cuniberta, Dasypyga, Davara, Dioryctria, Diviana, Divitiaca, Ectomyeloidis, Elasmopalpus, Ephestia, Ephestiodes, Erelieva, Eremberga, Etiella, Eulogia, Eumysia, Eurythmia, Eurythmidia, Euzophera, Fundella, Glyphocystis, Glyptocera, Heinrichiessa, Heterographis, Homoeosoma, Honora, Hulstia, Hypargyria, Hypochalcia, Hypsipyla, Immyrta, Interjectio, Laetilia, Lascelina, Lipographis, Macrorrhinia, Maricopa, Martia, Melitara, Meroptera, Mescinia, Metephestia, Monoptilota, Moodna, Moodnodes, Myeloidis, Myelopsis, Nephopterix, Ocala, Olybria, Olycella, Oreana, Ortholepis, Oryctometopia, Ozamia,*

Palatka, Passadena, Patriciola, Pempelia, Philodema, Phobus, Phycitodes, Phycitopsis, Pima, Pimodes, Plodia, Polopeustis, Promylea, Protasia, Pseudocabima, Pseudocabotia, Psorosina, Pyla, Quasisalebria, Ragonotia, Rhagea, Ribua, Rostrolaetilia, Rumatha, Salebriacus, Salebriaria, Sarasota, Sarata, Selga, Sosipatra, Staudingeria, Stylopalpia, Tacoma, Tampa, Telethusia, Tlascalala, Trachycera, Triozosneura, Tulsa, Ufa, Ulophora, Unadilla, Varneria, Vitula, Volatica, Wakulla, Welderella, Wunderia, Yosemiteia, Zamagiria, Zophodia.

Peorinae: *Anacostia, Arivaca, Atascosa, Goya, Homosassa, Navasota, Peoria, Reynosa, Tolima, Uinta.*

Superfamily THYRIDOIDEA

THYRIDIDAE

Thyridinae: *Dysodia, Hexeris, Pseudothyris, Thyris.*

Siculodinae: *Belonoptera, Meskea, Rhodoneura.*

Striglininae: *Banisia.*

MACROLEPIDOPTERA

Superfamily MIMALLONOIDEA

MIMALLONIDAE

Cicinnus, Lacosoma, Naniteta.

Superfamily LASIOCAMPOIDEA

LASIOCAMPIDAE

Macromphaliinae: *Apotolype, Artace, Hypopacha, Tolype.*

Gastropachinae: *Heteropacha, Phyllodesma.*

Lasiocampinae: *Caloecia, Dicogaster, Gloveria, Malacosoma, Quadrina.*

Superfamily BOMBYCOIDEA

APATELODIDAE

Apatelodes, Olceclostera.

SATURNIIDAE

Citheroniinae: *Anisota, Citheronia, Dryocampa, Eacles, Syssphinx.*

Hemileucinae: *Automeris, Coloradia, Hemileuca, Hylesia.*

Saturniinae: *Actias, Agapema, Antheraea, Callosamia, Eupackardia, Hyalophora, Rothschildia, Samia, Saturnia.*

SPHINGIDAE

Sphinginae: *Agrius, Amplypterus, Ceratomia, Cocytius, Dolba, Dolbogena, Isoparce, Laothoe, Lapara, Manduca, Neococytius, Pachysphinx, Paonias, Paratrea, Protambulyx, Sagenosoma, Smerinthus, Sphinx.*

Macroglossinae: *Aellopos, Amphion, Arctonotus, Callionima, Cautethia, Darapsa, Deidamia, Enyo, Erinnyis, Eumorpha, Euproserpinus, Hemaris, Hyles, Isognathus, Macroglossum, Madoryx, Pachylia, Pachylioides, Perigonia, Phryxus, Proserpinus, Pseudosphinx, Sphecodina, Xylophanes.*

Superfamily HESPERIOIDEA

HESPERIIDAE

Pyrrhopyginae: *Pyrrhopyge.*

Pyrginae: *Achalarus, Achylodes, Aguna, Antigonus, Arteurotia, Astraptes, Autochton, Bolla, Cabares, Carrhenes, Celaenorrhinus, Celotes, Chioides, Chiomara, Codatractus, Cogia, Dyscophellus, Epargyreus, Ephyriades, Erynnis, Gesta, Gorgythion, Grai, Heliopetes, Hesperopsis, Nisioniades, Pellicia, Phocides, Pholisora, Polygonus, Polythrix, Proteides, Pyrgus, Sostrata, Spathilepia, Staphylus, Systasea, Thorybes, Timochares, Typhedanus, Urbanus, Xenophanes, Zestusa.*

Heteropterinae: *Carterocephalus, Piruna.*

Hesperiinae: *Adopaeoides, Amblyscirtes, Ancyloxypha, Asbolis, Atalopedes, Atrytone, Atrytonopsis, Callimormus, Calpodes, Choranthus, Conga, Copaeodes, Corticea, Cymaenes, Decinea, Euphyes, Hesperia, Hylephila, Lerema, Lerodea, Mellana, Monca, Nastra, Nyctelius, Oarisma, Ochlodes, Oligoria, Panoquina, Paratrytone, Perichares, Poanes, Polites, Pompeius, Problema, Pseudocopaeodes, Rhinthon, Stinga, Synapte, Thespieus, Thymelicus, Vettius, Vidius, Wallengrenia.*

Megathyminae: *Agathymus, Megathymus, Stallingsia.*

Superfamily PAPILIONOIDEA

The family, subfamily, and generic classification is conservative and follows: Stanford, R.E., and P.A. Opler. **Atlas of western USA Butterflies, including adjacent Parts of Canada and Mexico.** Privately published. 275 pp.

PAPILIONIDAE

Parnassiinae: *Parnassius.*

Papilioninae: *Battus, Eurytides, Papilio, Parides.*

PIERIDAE

Dismorphinae: *Enantia.*

Pierinae: *Anthocharis, Appias, Ascia, Catasticta, Euchloe, Ganyra, Neophasia, Pieris, Pontia.*

Coliadinae: *Anteos, Colias, Eurema, Kricogonia, Nathalis, Phoebis.*

LYCAENIDAE

Liphyrinae: *Feniseca.*

Lycaeninae: *Lycaena.*

Theclinae: *Habrodais, Hypaurotis.*

Eumaeinae: *Allosmaitia, Arawacus, Atlides, Callophrys, Calycopis, Chlorostrymon, Cyanophrys, Electrostrymon, Erora, Eumaeus, Fixenia, Hypostrymon, Incisalia, Ministrymon, Mitoura, Ocaria, Oenomaus, Parrhasius, Phaeostrymon, Rekoa, Sandia, Satyrium, Strymon, Thereus, Tmolus, Xamia.*

Polyommatainae: *Agriades, Brephidium, Celastrina, Euphilotes, Everes, Glaucopsyche, Hemiargus, Leptotes, Lycaeides, Philotes, Philotiella, Plebejus, Plebulina, Vacciniina, Zizula.*

RIODINIDAE

Euselasiinae: *Euselasia.*

Riodininae: *Apodemia, Calephelis, Caria, Emesis, Lasaia, Melanis.*

LIBYTHEIDAE

Libytheinae: *Libytheana.*

NYMPHALIDAE

Heliconiinae: *Dione, Dryadula, Dryas, Eueides, Heliconius.*

Nymphalinae: *Aglais, Anartia, Hypanartia, Hypolimnas, Junonia, Nymphalis, Polygonia, Siproeta, Vanessa.*

Argynninae: *Boloria, Euptoieta, Speyeria.*

Melitaeninae: *Chlosyne, Dymasia, Eresia, Euphydryas, Microtia, Phyciodes, Poladryas, Tegosa, Texola, Thessalia.*

Limnithidinae: *Adelpha, Basilarchia, Biblis, Diaethria, Dynamine, Epiphile, Eunice, Hamadryas, Historis, Mestra, Myscelia, Smyrna.*

LEPIDOPTERA: CLASSIFICATION

- Marpesiinae:** *Marpesia*.
Charaxinae: *Anaea*.
Apaturinae: *Asterocampa*, *Doxocopa*.

SATYRIDAE

- Elymniinae:** *Enodia*, *Satyrodes*.
Satyrinae: *Cercyonis*, *Coenonympha*, *Cyllopsis*, *Erebia*, *Gyrocheilus*, *Hermeuptychia*, *Megisto*,
Neominois, *Neonympha*, *Oeneis*, *Paramacera*.

DANAIDAE

- Danainae:** *Danaus*.
Lycoreinae: *Lycorea*.

Superfamily DREPANOIDEA**THYATIRIDAE**

- Thyatirinae:** *Euthyatira*, *Habrosyne*, *Pseudothyatira*, *Thyatira*.
Polyplocinae: *Bycambia*, *Ceranemota*.

DREPANIDAE

- Drepaninae:** *Drepana*, *Eudeilinia*.
Oretinae: *Oreta*.

Superfamily GEOMETROIDEA**GEOMETRIDAE**

- Archiearinae:** *Archiearis*, *Leucobrepheos*.
Oenochrominae: *Almodes*, *Alsophila*, *Ametris*.
Ennominae: *Acanthotoca*, *Aethaloida*, *Aethalura*, *Anacamptodes*, *Anagoga*, *Anavinemia*,
Anavitrinella, *Animomyia*, *Antepione*, *Antiphoides*, *Apodrepanulatrix*, *Aspitates*, *Astalotesia*,
Besma, *Biston*, *Cabera*, *Campaea*, *Caripeta*, *Carphoides*, *Cepphis*, *Ceratomyx*, *Chesiadodes*,
Chloraspilates, *Cingilia*, *Cleora*, *Cochisea*, *Colotois*, *Cymatophora*, *Dasyfidonia*, *Destutia*,
Drepanulatrix, *Ectropis*, *Elpiste*, *Ematurga*, *Enconista*, *Ennomos*, *Enypia*, *Epelis*, *Epimecis*,
Epirranthis, *Episemasia*, *Erannis*, *Erastria*, *Eriplatymetra*, *Euaspilates*, *Eubarnesia*, *Eucaterva*,
Euchlaena, *Eudrepanulatrix*, *Eufidonia*, *Eugonobapta*, *Eumacaria*, *Eusarca*, *Eutrapela*, *Evita*,
Exelis, *Gabriola*, *Galenara*, *Glaucina*, *Glena*, *Glenoides*, *Gnophos*, *Gueneria*, *Heliomata*,
Hemimorina, *Hemnychia*, *Hesperumia*, *Holochroa*, *Homochlodes*, *Hulstina*, *Hypagyrtis*,
Hypomecis, *Iridopsis*, *Itame*, *Ixala*, *Lambdina*, *Lomographa*, *Lychnosea*, *Lycia*, *Lytrosis*,
Melanchroia, *Melanolophia*, *Melemaea*, *Mellilla*, *Meriscisca*, *Meris*, *Metanema*, *Metarranthis*,
Nacophora, *Narraga*, *Nematocampa*, *Nemeris*, *Nealcis*, *Neoterpes*, *Nepheloleuca*, *Nepterotaea*,
Nepytia, *Numia*, *Nyctiphanta*, *Orthofidonia*, *Oxydia*, *Paleacrita*, *Paraglaucina*, *Parapheromia*,
Paraxcelsa, *Patalene*, *Pero*, *Petrophora*, *Pherne*, *Phigalia*, *Philedia*, *Philtraea*, *Phrygionis*,
Phyllostoma, *Pimaphera*, *Pityeja*, *Plagodis*, *Plataea*, *Prionomelia*, *Probole*, *Prochoerodes*,
Protitame, *Protoboarmia*, *Pterospoda*, *Pterotaea*, *Sabulodes*, *Selenia*, *Semiothisa*, *Sericoptera*,
Sericosema, *Sicya*, *Slossonia*, *Snowia*, *Somatolophia*, *Sperrya*, *Sphacelodes*, *Stenaspilatodes*,
Stenoporpha, *Stergamataea*, *Synaxis*, *Synglochis*, *Tacparia*, *Tesiophora*, *Tetracis*, *Thallopaga*,
Thyrinteina, *Thysanopyga*, *Tornos*, *Tracheops*, *Vinemina*, *Xanthotype*, *Xenoecista*, *Yermoia*.
Geometrinae: *Cheteoscelis*, *Chlorochlamys*, *Chloropteryx*, *Chlorosea*, *Dichorda*,
Dichordophora, *Eueana*, *Hemithea*, *Hethemia*, *Lophochorista*, *Mesothea*, *Nemoria*,
Phrudocentra, *Synchlora*, *Xerochlora*.
Sterrhinae: *Acratodes*, *Calothysanis*, *Cyclophora*, *Euacidalia*, *Eumacrodes*, *Haematopis*, *Idaea*,
Leptostales, *Lobocleta*, *Lophosis*, *Odontoptila*, *Paota*, *Pigia*, *Pleuroprucha*, *Protoproutia*,
Ptychamalia, *Scopula*, *Semaeopus*.
Larentiinae: *Acasis*, *Anticlea*, *Aplocera*, *Archirhoe*, *Carptima*, *Carsia*, *Ceratodalia*,
Chloroclystis, *Cladara*, *Colostygia*, *Coryphista*, *Cyclica*, *Disclisioprocta*, *Dyspteris*, *Dysstroma*,
Ecliptopera, *Enchoria*, *Entephria*, *Epirrhoe*, *Epirrita*, *Ersephila*, *Eubaphe*, *Eulithis*, *Euphyia*,
Eupithecia, *Eurhinosea*, *Eustroma*, *Eutrepsia*, *Grossbeckia*, *Hammaptera*, *Herreshoffia*,
Heterophleps, *Heterusia*, *Horisme*, *Hydrelia*, *Hydria*, *Hydriomena*, *Hymenodria*, *Lithostege*,

Lobophora, Loxofidonia, Marmopteryx, Mesoleuca, Monostoecha, Nasusina, Operophtera, Orthonama, Perizoma, Plemyria, Prorella, Psaliodes, Psychophora, Pterocypha, Rheumaptera, Scelidacantha, Spargania, Stamnoctenis, Stammnodes, Thera, Trichodezia, Trichopteryx, Triphosa, Venusia, Xanthorhoe, Zenophleps.

EPIPLEMIDAE

Antiplecta, Calledapteryx, Callizzia, Epiplema, Erosia, Philagraula, Schidax.

SEMATURIDAE

Anurapteryx.

URANIIDAE

Urania.

Superfamily NOCTUOIDEA**DOIDAE**

Doa, Leuculodes.

NOTODONTIDAE

A higher classification of the Notodontidae has been proposed by: Miller, J.S. 1991. **Cladistics and Classification of the Notodontidae (Lepidoptera: Noctuoidea) based on larval and adult Morphology**. Bulletin of the American Museum of Natural History. Number 204. 230 pp. However only some of the North American genera are covered in this publication. Therefore the genera are listed without subfamily affiliation in accordance with Franclemont, in Hodges *et al.* (1983). The phylogeny of Miller (1991) treats the "Dioptidae" as a subfamily of the Notodontidae.

Afilia, Cargida, Cerura, Clostera, Crinodes, Dasylophia, Datana, Didugua, Ellida, Elymiotis, Euhyparpax, Furcula, Gluphisia, Hemiceras, Heterocampa, Hippiia, Hyparpax, Hyperaeschra, Lirmiris, Litodonta, Lochmaeus, Macrurocampa, Misogada, Nadata, Nerice, Notela, Notodonta, Nystalea, Odontosia, Oligocentria, Pentobesa, Peridea, Pheosia, Phryganidia, Praeschausia, Pseudhapigia, Rifargia, Scevesia, Schizura, Symmerista, Theroa, Ursia, Zunacetha.

ARCTIIDAE

Pericopinae: *Composia, Dysschema, Gnophaela, Phaloesia.*

Lithosiinae: *Afrida, Agylla, Bruceia, Cisthene, Clemensia, Comachara, Crambidia, Eilema, Eudesmia, Gardinia, Gnamptonychia, Haematomis, Hypoprepia, Inopsis, Lycomorpha, Neoplynes, Pagara, Propyria, Ptychoglene.*

Arctiinae: *Acerbia, Aemilia, Alexicles, Apantesis, Apocrisias, Arachnis, Arctia, Bertholdia, Calidota, Carales, Cycnia, Dodia, Ectypia, Estigmene, Euchaetes, Euerythra, Eupseudosoma, Grammia, Halysidota, Haploa, Hemihyalea, Holarctia, Holomelina, Hyperborea, Hypercompe, Hyphantria, Hypocrisias, Kodiosoma, Leptarctia, Lerina, Leucanopsis, Lophocampa, Neoarctia, Notarctia, Opharus, Pararctia, Parasemia, Pareuchaetes, Phragmatobia, Platarctia, Platyprepia, Pygarcia, Pygoctenucha, Pyrrharctia, Seirarctia, Spilosoma, Trichromia, Tyria, Utetheisa.*

Ctenuchinae: *Antichloris, Cisseps, Cosmosoma, Ctenucha, Dahana, Didasys, Empyreuma, Episcepsis, Eucereon, Horama, Lymire, Macroneme, Myrmecopsis, Pseudocharis, Psilopleura, Syntomeida.*

LYMANTRIIDAE

Orgyiinae: *Acsala, Dasychira, Euproctis, Gynaephora, Leucoma, Lymantria, Orgyia.*

NOCTUIDAE

The classification is based on an amalgamation of two publications.

Poole, R.W. 1989. **Lepidopterorum Catalogus (New Series). Noctuidae (in three volumes)**. Fascicle 118. E.J. Brill. Leiden. 1314 pp.

Poole, R.W. 1995. **Moths of America north of Mexico. Noctuoidea Noctuidae (Part)**.

Fascicle 26.1. Wedge Entomological Reserach Foundation. Washington. 249 pp. + 28 plates. Recent research indicates that the Arctiidae and Lymantriidae properly belong to the Noctuidae, *sensu lato*, probably among the Ophiderinae. As yet these results have yet to be incorporated into a reclassification of the "quadrid" Noctuidae. Therefore the classical classification is followed here.

Sarothripinae: *Baileya, Characoma, Collomena, Iscadia, Motya, Nycteola.*

Nolinae: *Meganola, Nola.*

Euteliinae: *Aon, Eutelia, Marathyssa, Paectes.*

Herminiinae: *Aristaria, Bleptina, Carteris, Chytolita, Hypenula, Idia, Lascoria, Macristis, Macrochilo, Palthis, Phalaenophana, Phalaenostola, Phlyctaina, Reabotis, Redectis, Rejectaria, Renia, Tetanolita, Zanclognatha.*

Hypenodinae: *Abablemma, Dasyblemma, Dyspyralis, Hypenodes, Nigetia, Parahypenodes, Phobolosia, Quandra, Schrankia, Sigela.*

Rivulinae: *Colobochyla, Melanomma, Mycterophora, Oxycilla, Parascotia, Prosoparia, Rivula, Zelicodes.*

Hypeninae: *Hypena, Lomanaltes.*

Ophiderinae: *Agasszia, Alabama, Allotria, Amolita, Anomis, Antiblemma, Anticarsia, Argyrostrotis, Arugisa, Ascalapha, Athyrma, Azeta, Bandelia, Bendisodes, Boryzops, Bulia, Caenurgia, Caenurgina, Callistege, Calyptra, Catocala, Cecharismena, Celiptera, Cissusa, Coenipeta, Concana, Coxina, Cutina, Diphthera, Doryodes, Drasteria, Dysgonia, Ephyrodes, Epidromia, Epitausa, Eubolina, Euclidia, Euclystis, Eudocima, Eulepidotis, Euparthenos, Focillidia, Forsebia, Gabara, Glympis, Goniapteryx, Goniocarsia, Gonodonta, Helia, Hemeroblemma, Hemeroplanis, Heteranassa, Hormoschista, Hypocala, Hysoropha, Ianius, Isogona, Janseodes, Kakopoda, Latebraria, Ledaea, Lesmone, Litocala, Litoprosopus, Lygephila, Massala, Matigramma, Melipotis, Metalectra, Metallata, Metria, Mimophisma, Mocis, Nychioptera, Obrima, Ommatochila, Ophisma, Orodessa, Palpidia, Pangrapta, Panopoda, Panula, Parallelia, Pharga, Phoberia, Phyprosopus, Phytometra, Plusiodonta, Psammathodoxa, Pseudanthracia, Pseudorgia, Ptichodis, Radara, Rhosologia, Scolecocampa, Scoliopteryx, Selenisa, Spargaloma, Spiloloma, Syllectra, Tathorhynchus, Thysania, Toxonprucha, Tyrissa, Zale, Zaleops.*

Eustrotiinae: *Airama, Aleptina, Allerastris, Amiana, Amyna, Araeopteron, Argillophora, Capis, Cerathosia, Cerma, Cobubatha, Copibryophila, Cydosia, Deltote, Euaontia, Eumestleta, Eumicremma, Homocerynea, Homolagoa, Hyperstrotia, Maliattha, Metaponpneumata, Neotarache, Oruza, Ozarba, Phoenicophanta, Proroblemma, Sparkia, Thioptera, Tripudia.*

Condicinae: *Condica, Crambodes, Diastema, Fotella, Homophoberia, Leuconycta, Micrathetis, Ogdonta.*

Plusiinae: *Abrostola, Allagrapha, Anagrapha, Argyrogramma, Autographa, Autoplusia, Chrysanympa, Ctenoplusia, Diachrysia, Enigmogramma, Eosphoropteryx, Euchalcia, Exyra, Megalographa, Mouralia, Notioplusia, Plusia, Polychrysia, Pseudeva, Pseudoplusia, Rachiplusia, Syngrapha, Trichoplusia.*

Acontiinae: *Acontia, Bagisara, Conochares, Eusceptis, Fruva, Hemispragueia, Pometia, Pseudalypia, Spragueia, Tarachidia, Therasea.*

Amphipyridinae: *Amphipyra, Apsaphida, Cropia, Paratrachea, Phosphila, Speocropia, Viridemas.*

Stiriinae: *Angulostiria, Argentostiria, Basilodes, Bistica, Chalcopasta, Chamaeclea, Chrysoecia, Cirrhophanes, Cuahtemoca, Eulithosia, Fala, Heminocloa, Hemioslaria, Hoplolythrodes, Lineostriastiria, Neumoegenia, Plagiomimicus, Sexserrata, Stiria, Thurberiphaga, Xanthothrix.*

Eriopinae: *Callopietria, Phuphena.*

Psaphidinae: *Azenia, Brachionycha, Copivaleria, Crimona, Euamiana, Feralia, Grotella, Grotellaforma, Hemigrotella, Lythrodes, Neogrotella, Nocloa, Oslaria, Oxycnemis, Paramiana, Petalumaria, Pleromella, Podagra, Poliocnemis, Prothrinax, Provia, Psaphida, Pseudocopivaleria, Redingtonia, Ruacodes, Stiriodes, Triocnemis, Trisyla, Walterella.*

Agaristinae: *Alypia, Alypiodes, Androloma, Caularis, Eudryas, Eupseudomorpha, Euscirrhopterus, Gerra, Gerrodes, Neotuerta, Psychomorpha, Xerociris.*

Heliolithinae: *Baptarma, Derrima, Erythroecia, Eutricopis, Helicoverpa, Heliocheilus, Heliolonche, Heliothis, Heliolithodes, Melaporphyria, Microhelia, Prochloridea, Protoschinia, Pyrrhia, Rhodoecia, Schinia.*

Acronictinae: *Acronicta, Agriopodes, Anterastris, Harrisimemna, Merolonche, Polygrammate, Simyra.*

Pantheinae: *Charadra, Colocasia, Lichnoptera, Meleneta, Panthea, Pseudopanthea, Raphia.*

Bryophilinae: *Cryphia*.

Oncocnemidinae: *Adita, Aphaereta, Behrensia, Calophasia, Catabena, Copanarta, Hemistilbia, Homohadena, Homoncocnemis, Lepipolys, Leucocnemis, Neogalea, Oncocnemis, Pleromelloida, Pseudacontia, Stylopoda, Supralathosea, Sympistis*.

Cuculliinae: *Cucullia, Dolocucullia, Emariannia, Opsigalea*.

Ufeinae: *Ufeus*.

Noctuinae: *Abagrotis, Acerra, Achatia, Achatodes, Acherdoa, Achytonix, Acopa, Acrapex, Actebia, Adelphagrotis, Admetovis, Afotella, Agrochola, Agrotis, Agrotisia, Aletia, Amphipoea, Anaplectoides, Anarta, Anartomima, Anathix, Andropolia, Anhimella, Anicla, Annaphila, Anorthodes, Anycteola, Apamea, Aplectoides, Archanara, Aseptis, Athetis, Axenus, Balsa, Bellura, Benjaminiola, Brachylomia, Bryolymnia, Caradrina, Celaena, Cephalospargeta, Cerapoda, Cerapteryx, Cerastis, Chaetagleae, Chersotis, Choephora, Chortodes, Chytonix, Cobalos, Coenophila, Conservula, Copablepharon, Cosmia, Crassivesica, Crocigrapha, Cryptocala, Dargida, Diarsia, Discestra, Dryotype, Dypterygia, Egira, Elaphria, Emarginea, Enargia, Engelhardtia, Epidemas, Epiglaea, Eremobina, Eriopyga, Escaria, Euagrotis, Eucirroedia, Eucoptocnemis, Eueretagrotis, Euplexia, Eupsilia, Eurois, Euros, Euxoa, Eviridemas, Fagitana, Faronta, Feltia, Fishia, Fota, Franclemontia, Galgula, Gloanna, Gonodes, Graphiphora, Hada, Hadena, Hadenella, Hemibryomima, Hemieuxoa, Hemigraphiphora, Hemipachnobia, Heptagrotis, Hexorthodes, Hillia, Himella, Homoanarta, Homoglaea, Homorthodes, Hydraecia, Hydroeciodes, Hyperepia, Hyppa, Iodopepla, Ipimorpha, Lacanobia, Lacinipolia, Lasionycta, Lemmeria, Leucania, Litholomia, Lithomoia, Lithophane, Lomilysis, Lophoceramica, Luperina, Macro noctua, Magusa, Mamestra, Mammifrontia, Manruta, Marilopteryx, Melanchra, Meropleon, Mesapamea, Mesembragrotis, Metalepsis, Metaxagleae, Mimobarathra, Minofala, Miodera, Miracavira, Mniotype, Morrisonia, Nacopa, Narthecophora, Nedra, Neleucania, Neophaenis, Nephelodes, Noctua, Ochropleura, Oligia, Ommatostola, Onychagrotis, Orthodes, Orthosia, Pachypolia, Papaipema, Papestra, Parabarrovia, Paradiarsia, Parapamea, Parastichtis, Peraniana, Peridroma, Perigea, Perigonica, Phlogophora, Platypolia, Polia, Pronoetua, Properigea, Proragrotis, Proteinania, Protexarnis, Protogygia, Protolampra, Protoperigea, Protorthodes, Psectraglaea, Pseudaletia, Pseudanarta, Pseudanthoecia, Pseudeustrotia, Pseudobryomima, Pseuoglaea, Pseudohadena, Pseudorthodes, Pseudorthosia, Pseudoseptis, Pyreferra, Rhizagrotis, Rhizedra, Rhyacia, Rhynchagrotis, Richia, Scotogramma, Selicanis, Sericagleae, Setagrotis, Sideridis, Spaelotis, Spartiniphaga, Spiramater, Spodoptera, Stibaera, Stretchia, Sunira, Sutyna, Synorthodes, Tholera, Trachea, Trichagrotis, Trichocerapoda, Trichoclea, Trichocosmia, Trichofeltia, Tricholita, Trichopolia, Trichordestra, Trichorthosia, Trichosilia, Tridepia, Trudestra, Ulolonche, Ursogastra, Xanthia, Xanthopastis, Xestia, Xylena, Xylotype, Xystopeplus, Zosteropoda, Zothea.*