

MOTHS & BUTTERFLIES OF SWAMP LOVER'S PRESERVE



Compiled by Kyle E. Johnson

Data Sources and Acknowledgements

This checklist is based primarily on specimens collected and determined by the author (598 species). Jerry Goth, Steve Bransky, Hugo Kons Jr., Bob Borth, and Les Ferge contributed 101 additional species. Terry Harrison, Jean-Francois Landry, Hugo Kons Jr., Les Ferge, George Balogh, and Bob Borth helped identify a few troublesome species and/or gave taxonomic advice.

All species but one are based on voucher specimens; *Callophrys gryneus* is based on a photograph by Ann Thering.

Specimens taken by the author and Jerry Goth are housed in the University of Wisconsin-Madison Insect Research Collection (WIRC); these have detailed data and are fully databased. Specimens taken by other contributors are housed in their respective research collections.

The author thanks Jerry Goth, Lee Swanson, and Linnea Smith for their boundless hospitality and enthusiasm which make visiting the preserve such a pleasure. I thank Dan Young and the University of Wisconsin-Madison Insect Research Collection for the lab space and other resources which make such projects possible. Finally, I thank the contributors and other entomologist friends for good company in the field.

Micro Moths = 203+ species

Butterflies = 51 species

Macro Moths = 446+ species

Total Lepidoptera = 700 species

Biodiversity on the Preserve

How many more species are out there? A whole lot is the short answer. Sampling on the preserve thus far has been rather opportunistic and focused on a few key areas. There are still weaknesses in seasonal coverage, habitats which have been sparsely investigated, and sampling techniques which need attention. Additional species even lurk among the specimens already collected as some remain unidentified, the vast majority of these being “micro moths”. Thus the micro moths are quite underrepresented in this checklist.

A conservative estimate suggests that 700 species is roughly the “half-way mark”. At Mosquito Hill Nature Center in Outagamie County Hugo Kons Jr. (pers. comm.) surveyed for macro moths and butterflies intensively over many years; he documented an impressive 782 species. Had micro moths been included this total could almost double as they represent nearly half the ordinal diversity and have great potential for undescribed species. Thus 1500 species is a reasonable estimate for Lepidoptera diversity at Swamp Lover’s Preserve.

What about total insect diversity? Lepidoptera is one of four mega diverse insect orders. Diptera (flies) and Hymenoptera (wasps and kin) are similarly diverse in terms of described species (globally), whereas Coleoptera (beetles) is double. The remaining orders combined are comparable to Lepidoptera. Given these crude ratios 8500 species would be a *conservative* estimate of insect biodiversity at the preserve. We still do not know, however, if these diversity ratios are similar across the Wisconsin landscape. What we can say for certain is that the insect diversity is overwhelming, and that a daunting amount of work remains just to sense what species inhabit the land, much less their ways of life.

The following specimen images illustrate species documented from the preserve. They are from various sources and usually do not represent the actual specimens collected from this project. Taxonomy generally follows the Moth Photographers Group website for simplicity.

MICRO MOTHS

Nepticulidae



Unidentified Nepticulidae
© Jim Vargo

Opostegidae



Pseudopostega cretea
© Kyle Johnson



Pseudopostega quadristrigella
© Kyle Johnson

Tineidae



Leucomele miriamella
© Kyle Johnson



Xylesthia pruniramiella
© Kyle Johnson



Monopis spilotella
© Kyle Johnson



Unidentified Tineidae

Acrolophidae



Acrolophus arcanella
© Jim Vargo



Acrolophus morus
© Jim Vargo

Psychidae



Siederia walshella
© Kyle Johnson

Bucculatricidae



Bucculatrix angustata
© Jim Vargo



Caloptilia cornusella
© Kyle Johnson



Phyllonorycter apparella
© Kyle Johnson



***Bucculatrix* spp.**



Caloptilia* sp. near *umbratella
© Kyle Johnson



Phyllonorycter celtifoliella
© Kyle Johnson

Gracillariidae



Caloptilia belfrageella
© Jim Vargo



***Parornix* sp.**
© Kyle Johnson



***Phyllonorycter* spp.**



Caloptilia blandella
© Kyle Johnson



***Marmara* sp.**
© Kyle Johnson



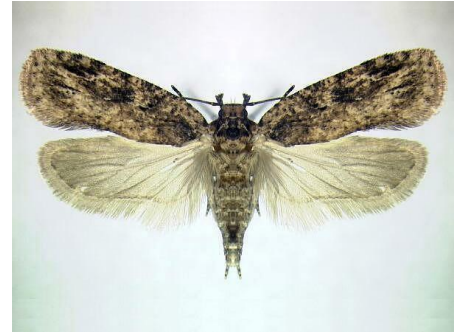
Cameraria caryaefoliella
© microleps.org



Cameraria conglomeratella
© microleps.org



***Phyllocnistis* spp.**



Agonopterix pulvipennella
© Kyle Johnson

Elachistidae



Cameraria hamadryadella
© microleps.org



Agonopterix curvilineella
© Kyle Johnson



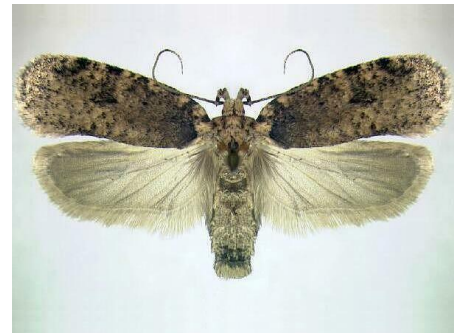
Agonopterix nigrinotella
© Kyle Johnson



Phyllocnistis insignis
© Kyle Johnson



Agonopterix clemensella
© Kyle Johnson



Agonopterix paulae
© Kyle Johnson



Phyllocnistis vitifoliella
© Kyle Johnson



Agonopterix eupatoriella
© Kyle Johnson



Agonopterix alstroemeriana
© Jim Vargo



Agonopterix robiniella
© Kyle Johnson



Semioscopis inornata
© Jim Vargo



Antaeotricha schlaegeri
© Jim Vargo



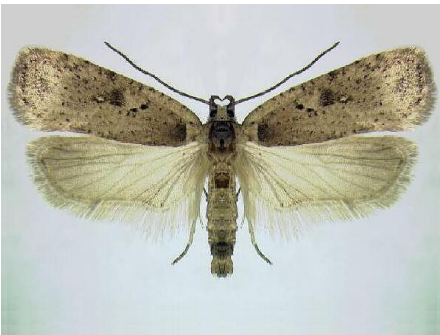
Agonopterix thelmae
© Kyle Johnson



Semioscopis aureorella
© Jim Vargo



Gonioterma mistrella
© Jim Vargo



Agonopterix argillacea
© Kyle Johnson



Depressaria pastinacella
© Jim Vargo



***Elachista* spp.**
© Kyle Johnson



Depressariodes scabella
© Terry Harrison



Machimia tentoriferella
© Jim Vargo



Decantha boreasella
© Jim Vargo

Oecophoridae



Epicallima argenticinctella
© Kyle Johnson



Mompha murtfeldtella
© Kyle Johnson

Xylorictidae



***Scythris* spp.**
© Kyle Johnson

Coleophoridae



Unidentified Blastobasinae



***Cosmopterix* spp.**

Gelechiidae



Aristotelia roseosuffusella
© Kyle Johnson



Coleophora trifolii
© Jim Vargo



Limnaecia phragmitella
© Jim Vargo



Arogalea cristifasciella
© Kyle Johnson



***Coleophora* spp.**



Walshia miscecolorella
© Jim Vargo



Pubitelphusa latifasciella
© Kyle Johnson



Chionodes obscurusella
© Jim Vargo



Chionodes soter
© Jim Vargo



Chionodes thoraceochrella
© Jim Vargo



Dichomeris ligulella
© Kyle Johnson



Dichomeris ventrella
© Jim Vargo



Dichomeris furia



Dichomeris flavocostella
© Jim Vargo



Dichomeris inserrata
© Jim Vargo



Unidentified Gelechiidae



Unidentified Epermeniidae

Glyphipterigidae



Glyphipterix circumscriptella
© microleps.org

Plutellidae



Plutella xylostella
© Jim Vargo

Ypsolophidae



Ypsolopha dentella
© Jim Vargo



Ypsolopha falciferella
© Jim Vargo

Yponomeutidae



Atteva aurea
© Jim Vargo



Swammerdamia spp.



Argyresthia oreasella
© Jim Vargo

Lyonetiidae



Unidentified Lyonetiidae

Sesiidae



Vitacea polistiformis
© William Taft & MSU



Albuna fraxini
© William Taft & MSU



Synanthedon exitiosa
© Mississippi Entomological Museum

Cossidae



Prionoxystus macmurtrei
© Jim Vargo

Tortricidae



Bactra furfurana
© Jim Vargo



Bactra verutana
© Jim Vargo



Lobesia bicinctana
© Kyle Johnson



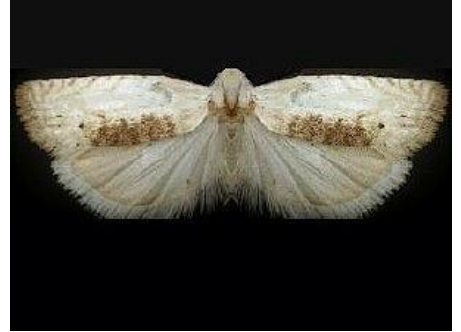
Endothenia hebesana

© Jim Vargo



Olethreutes devotana

© USNM



Eucosma heathiana

© Mississippi Entomological Museum



Apotomis capreana

© Jim Vargo



***Olethreutes* spp.**



Eucosma giganteana

© Jim Vargo



Apotomis deceptana

© USNM



Phaneta tomonana

© Jim Vargo



Eucosma dorsisignatana

© Jim Vargo



Pseudosciaphila duplex

© Jim Vargo



Phaneta parmatana

© Kyle Johnson



Eucosma cataclystiana

© Jim Vargo



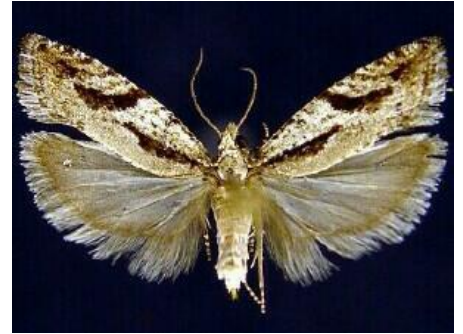
Epiblema tripartitana

© Jim Vargo



Gypsonoma substitutionis

© Jim Vargo



Epinotia sotipena

© Jim Vargo



Epiblema glenni

© Jim Vargo



Pseudexentera cressoniana

© Jim Vargo



Epinotia zandana

© Jim Vargo



Epiblema tandana

© USNM



Pseudexentera spoliata

© Jim Vargo



Epinotia lindana

© Jim Vargo



Notocelia rosaecolana

© Jim Vargo



Gretchena bolliana

© Jim Vargo



Ancylis burgessiana

© Jim Vargo



Grapholita packardi

© Jim Vargo



Acleris schalleriana

© Jim Vargo



Argyrotaenia juglandana

© Jim Vargo



Cydia latiferreana

© Jim Vargo



Acleris bowmanana

© Jim Vargo



Argyrotaenia quercifolia

© USNM



Acleris semipurpurana

© Jim Vargo



Decodes basiplagana

© Jim Vargo



Diedra cockerellana

© Jim Vargo



Acleris forbesana

© Jim Vargo



Decodes macdunnoughi

© Jim Vargo



Choristoneura rosaceana

© Jim Vargo



Archips semiferana
© Jim Vargo



Cenopis pettitana
© Jim Vargo



Aethes heleniana
© Kyle Johnson



Sparganothis sulfureana
© Jim Vargo



Platynota exasperatana
© Jim Vargo



Cochylis arthuri
© Kyle Johnson



Sparganothis pulcherrimana
© Jim Vargo



Aethes angulatana
© Jim Vargo



***Phtheochroa* spp.**



Cenopis reticulatana
© Jim Vargo



Aethes atomosana
© Jim Vargo



Unidentified Tortricidae

Limacodidae



Tortricidia flexuosa

© Jim Vargo



Apoda y-inversum

© Jim Vargo



Apoda biguttata

© Jim Vargo



Prolimacodes badia

© Jim Vargo

Crambidae



Scoparia biplagiata

© Jim Vargo



Scoparia basalis

© Jim Vargo



Elophila tinealis

© Jim Vargo



Syncлита oblitalis

© Jim Vargo



Parapoynx badiusalis

© Jim Vargo



Mimoschinia rufofascialis

© Jim Vargo



Evergestis pallidata

© Jim Vargo



Dicymolomia julianalis

© Jim Vargo



Nascia acutella

© Jim Vargo



Achyra rantalis

© Jim Vargo



Loxostege cerealis

© Jim Vargo



Ostrinia nubilalis

© Jim Vargo



Sitochroa palealis

© Jim Vargo



Pyrausta signatalis

© Jim Vargo



Perispasta caeculalis

© Jim Vargo



Uresiphita reversalis

© Jim Vargo



Pyrausta bicoloralis

© Jim Vargo



Hahncappsia marculenta

© Jim Vargo



Loxostege sticticalis

© Jim Vargo



Pyrausta orphisalis

© Jim Vargo



Pyrausta acrionalis
© Jim Vargo



***Desmia* spp.**
© Jim Vargo



Palpita arsaltealis
© Jim Vargo



Udea rubigalis
© Jim Vargo



Spoladea recurvalis
© Jim Vargo



Polygrammodes flavidalis
© Jim Vargo



Lineodes integra
© Jim Vargo



Diathrausta reconditalis
© Jim Vargo



Lygropia rivulalis
© Jim Vargo



Nomophila nearctica
© Jim Vargo



Diaphania hyalinata
© Jim Vargo



Herpetogramma pertextalis
© Jim Vargo



Herpetogramma abdominalis
© Canadian National Collection



Crambus praefectellus
© Jim Vargo



Crambus saltuellus
© Jim Vargo



Herpetogramma thestealis
© Jim Vargo



Crambus leachellus
© Jim Vargo



Crambus laqueatellus
© Jim Vargo



Herpetogramma aeglealis
© Handfield & Handfield



Crambus albellus
© Jim Vargo



***Neodactria luteolellus* complex**
© Jim Vargo



***Donacaula* spp.**
© Jim Vargo



Crambus agitatellus
© Jim Vargo



Chrysoteuchia topiarius
© Jim Vargo



Agriphila vulgivagellus
© Jim Vargo



Euchromius ocellus
© Jim Vargo



Unidentified Crambidae

Pyralidae



Microcrambus elegans
© Jim Vargo



Urola nivalis
© Jim Vargo



Pyralis farinalis
© Kyle Johnson



Fissicrambus mutabilis
© Kyle Johnson



Argyria critica
© Jim Vargo



Aglossa cuprina
© Jim Vargo



Parapediasia decorellus
© Jim Vargo



Eoreuma densella
© Jim Vargo



Hypsopygia costalis
© Jim Vargo



Hypsopygia costalis
© Jim Vargo



Arta statalis
© Jim Vargo



Pococera expandens
© Jim Vargo



Acrobasis juglandis
© Jim Vargo



Acrobasis juglanivorella



Acrobasis angusella
© Jim Vargo



***Acrobasis* spp.**



Eulogia ochrifrontella
© Jim Vargo



Unidentified Pyralidae

Pterophoridae



***Geina* spp.**
© Jim Vargo



Unidentified Pterophoridae



Unidentified Lepidoptera

Total Species Micros = 203+

BUTTERFLIES

Hesperiidae



Erynnis clarus
Silver-spotted Skipper

© K. Davis, M. Strangeland, & A. Warren



Erynnis juvenalis
Juvenal's Duskywing

© Andrew Warren



Erynnis horatius
Horace's Duskywing

© Andrew Warren



Erynnis lucilius
Columbine Duskywing

© K. Davis, M. Strangeland, & A. Warren



Ancyloxypha numitor
Least Skipper

© K. Davis, M. Strangeland, & A. Warren



Hylephila phyleus
Fiery Skipper

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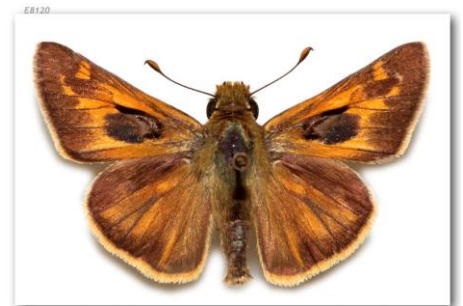
Hesperia leonardus
Leonard's Skipper

© K. Davis, M. Strangeland, & A. Warren



Polites mystic
Long Dash

© K. Davis, M. Strangeland, & A. Warren



Atalopedes campestris
Sachem

© K. Davis, M. Strangeland, & A. Warren



Anatrytone logan
Delaware Skipper

© K. Davis, M. Strangeland, & A. Warren



Poanes viator
Broad-winged Skipper

© K. Davis, M. Strangeland, & A. Warren



Euphyes conspicua
Black Dash
 © K. Davis, M. Strangeland, & A. Warren

Pieridae



Pieris rapae
Cabbage White
 © K. Davis, M. Strangeland, & A. Warren



Nathalis iole
Dainty Sulphur
 © K. Davis, M. Strangeland, & A. Warren

Papilionidae



Papilio polyxenes
Black Swallowtail
 © Jim Brock



Colias philodice
Common Sulphur
 © K. Davis, M. Strangeland, & A. Warren



Lycaena phlaeas
American Copper
 © K. Davis, M. Strangeland, & A. Warren



Papilio cressphontes
Giant Swallowtail
 © Andrew Warren



Colias eurytheme
Orange Sulphur
 © K. Davis, M. Strangeland, & A. Warren



Lycaena hylus
Bronze Copper
 © K. Davis, M. Strangeland, & A. Warren



Papilio glaucus
Eastern Tiger Swallowtail
 © K. Davis, M. Strangeland, & A. Warren



Zerene cesonia
Southern Dogface
 © Jim Brock



Satyrium titus
Coral Hairstreak
 © K. Davis, M. Strangeland, & A. Warren



Satyrium calanus
Banded Hairstreak

© K. Davis, M. Strangeland, & A. Warren



Cupido comyntas
Eastern Tailed Blue

© K. Davis, M. Strangeland, & A. Warren



Polygonia comma
Comma

© K. Davis, M. Strangeland, & A. Warren



Satyrium caryaevorus
Hickory Hairstreak

© K. Davis, M. Strangeland, & A. Warren



Celastrina lucia
Spring & Summer Azures

© K. Davis, M. Strangeland, & A. Warren



Polygonia progné
Gray Comma

© K. Davis, M. Strangeland, & A. Warren



Callophrys gryneus
Juniper Hairstreak

© K. Davis, M. Strangeland, & A. Warren



Libytheana carinenta
American Snout

© K. Davis, M. Strangeland, & A. Warren



Nymphalis antiopa
Mourning Cloak

© K. Davis, M. Strangeland, & A. Warren



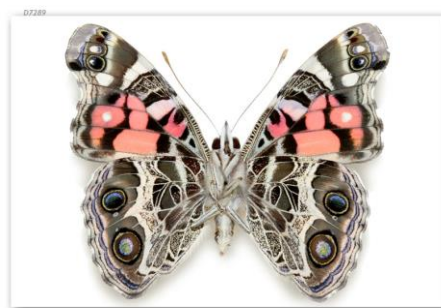
Strymon melinus
Gray Hairstreak

© K. Davis, M. Strangeland, & A. Warren



Polygonia interrogationis
Question Mark

© K. Davis, M. Strangeland, & A. Warren



Vanessa virginiensis
American Lady

© Andrew Warren



Vanessa cardui
Painted Lady

© K. Davis, M. Strangeland, & A. Warren



Speyeria aphrodite
Aphrodite Fritillary

© K. Davis, M. Strangeland, & A. Warren



Euphydryas phaeton
Baltimore

© K. Davis, M. Strangeland, & A. Warren



Vanessa atalanta
Red Admiral

© K. Davis, M. Strangeland, & A. Warren



Boloria selene
Silver-bordered Fritillary

© K. Davis, M. Strangeland, & A. Warren



Limenitis archippus
Viceroy

© K. Davis, M. Strangeland, & A. Warren



Junonia coenia
Buckeye

© K. Davis, M. Strangeland, & A. Warren



Boloria bellona
Meadow Fritillary

© K. Davis, M. Strangeland, & A. Warren



Asterocampa celtis
Hackberry Emperor

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Speyeria cybele
Great Spangled Fritillary

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Phyciodes tharos
Pearl Crescent

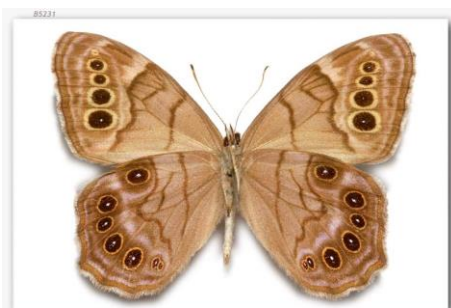
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Asterocampa clyton
Tawny Emperor

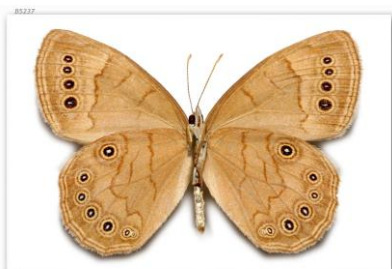
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Total Species Butterflies = 51



Lethe anhedon
Northern Pearly-eye

© Jim Brock



Lethe eurydice
Eyed Brown

© K. Davis, M. Strangeland, & A. Warren



Cercyonis pegala
Common Wood Nymph

© K. Davis, M. Strangeland, & A. Warren



Danaus plexippus
Monarch

© K. Davis, M. Strangeland, & A. Warren

MACRO MOTHS

Drepanidae



Pseudothyatira cymatophoroides
© Jim Vargo



Euthyatira pudens
© Jim Vargo



Drepana arcuata
© Jim Vargo



Oreta rosea
© Jim Vargo

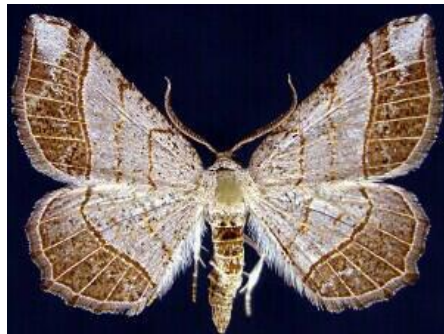
Geometridae



Alsophila pometaria
© Jim Vargo



Protitame virginalis
© Jim Vargo



Eumacaria madopata
© Jim Vargo



Speranza pustularia
© Jim Vargo



Speranza evagaria
© Jim Vargo



Speranza subcessaria
© Jim Vargo



Macaria aemulataria
© Jim Vargo



Macaria minorata
© Jim Vargo



Macaria aemulataria

© Jim Vargo



Digrammia gnophosaria

© CNC - Jocelyn Gill



Iridopsis larvaria

© Jim Vargo



Macaria multilineata

© Jim Vargo



Isturgia dislocaria

© Jim Vargo



Anavitrinella pampinaria

© Jim Vargo



Digrammia ordinata

© Jim Vargo



Iridopsis ephyraria

© Jim Troubridge



Cleora sublunaria

© Jim Vargo



Digrammia ocellinata

© Jim Vargo



Iridopsis humaria

© Jim Vargo



Ectropis crepuscularia

© Jim Vargo



Melanolophia canadaria

© Jim Vargo



Phigalia titea

© Jim Troubridge



Erannis tiliaria

© Jim Vargo



Melanolophia signataria

© Jim Troubridge



Phigalia strigataria

© Jim Vargo



Lomographa glomeraria

© Jim Troubridge



Lycia ursaria

© Jim Vargo



Paleacrita vernata

© Jim Vargo



Cabera variolaria

© Jim Vargo



Hypagyrtis unipunctata

© Jim Vargo



Paleacrita merriccata

© Jim Vargo



Lytrosis unitaria

© Jim Vargo



Euchlaena johnsonaria

© Jim Troubridge



Phaeoura quernaria

© Jim Vargo



Plagodis phlogosaria

© Jim Troubridge



***Xanthotype* spp.**

© Jim Vargo



Campaea perlata

© Jim Vargo



Plagodis fervidaria

© Jim Vargo



Pero anctaria

© Jim Vargo



Ennomos magnaria

© Jim Vargo



Besma quercivoraria

© Jim Vargo



Pero honestaria

© Jim Vargo



Metanema inatomaria

© Jim Vargo



Cingilia catenaria

© Jim Troubridge



Eusarca confusaria

© Jim Vargo



Prochoerodes lineola

© Jim Vargo



Pleuopruca insulsaria

© Jim Vargo



Tetracis crocallata

© Jim Vargo



Nematocampa resistaria

© CNC - Jocelyn Gill



Cyclophora packardi

© Jim Vargo



Eugonobapta nivosaria

© Jim Vargo



Chlorochlamys chloroleucaria

© Jim Vargo



Haematopis grataria

© Jim Vargo



Eutrapela clemataria

© Jim Troubridge



Idaea demissaria

© Jim Vargo



Scopula limboundata

© Jim Vargo



Scopula inductata

© Jim Vargo



Hydiomena transfigurata

© Jim Vargo



Anticlea multiferata

© Jim Vargo



Dysstroma hersiliata

© Jim Vargo



Coryphista meadii

© Jim Vargo



Xanthorhoe ferrugata

© Jim Vargo



Eulithis diversilineata

© Jim Troubridge



Mesoleuca ruficillata

© Jim Vargo



Xanthorhoe lacustrata

© Jim Vargo



Eulithis gracilineata

© Jim Vargo



Anticlea vasiliata

© Jim Vargo



Epirrhoe alternata

© Jim Vargo



Euphyia intermediata

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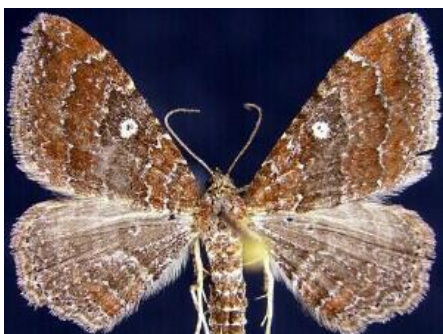
Eubaphe mendica

© Jim Vargo



Acasis viridata

© Jim Vargo



Orthonama obstipata

© Jim Vargo



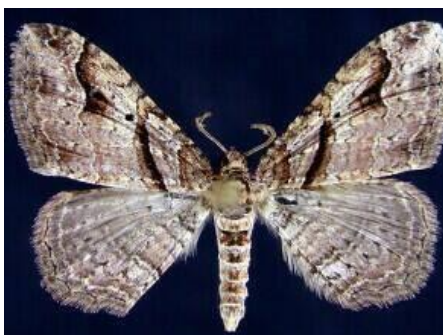
Horisme intestinata

© Jim Vargo



Heterophleps triguttaria

© Jim Vargo



Costaconvexa centrostrigaria

© Jim Vargo



Eupithecia miserulata

© Jim Vargo



Dyspteris abortivaria

© Jim Vargo



Operophtera bruceata

© Jim Vargo



***Eupithecia* spp.**

Epiplemidae



Calledapteryx dryopterata

© Jim Vargo

Lasiocampidae



Tolyte velleda
© Jim Vargo



Phyllodesma americana
© Jim Vargo



Malacosoma disstria
© Jim Vargo



Malacosoma americana
© Jim Vargo

Saturniidae



Eacles imperialis
© Jim Vargo



Antheraea polyphemus
© Jim Vargo



Actias luna
© Jim Vargo



Callosamia promethea
© Jim Vargo

Sphingidae



Ceratomia amyntor
© Jim Vargo



Ceratomia undulosa
© Jim Vargo



Lintneria eremitus
© Jim Vargo



Sphinx kalmiae
© Jim Vargo



Smerinthus jamaicensis

© Jim Vargo



Pachysphinx modesta

© Jim Vargo



Amphion floridensis

© Jim Vargo



Smerinthus cerisyi

© Jim Vargo



Eumorpha pandorus

© Jim Vargo



Darapsa myron

© Jim Vargo



Paonias myops

© Jim Vargo



Sphecodina abbottii

© Jim Vargo



Darapsa choerilus

© Jim Vargo



Laothoe juglandis

© Jim Vargo



Deidamia inscriptum

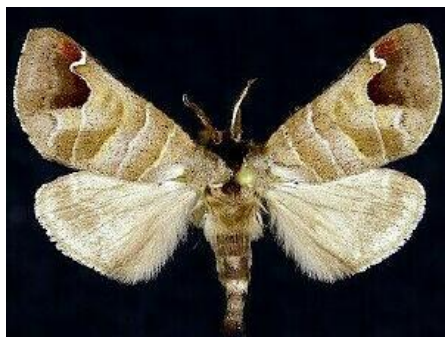
© Jim Vargo



Hyles lineata

© Jim Vargo

Notodontidae



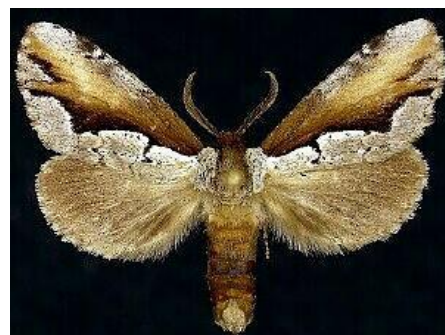
Clostera albosigma

© Jim Vargo



Hyperaeschra georgica

© Jim Vargo



Nerice bidentata

© Jim Vargo



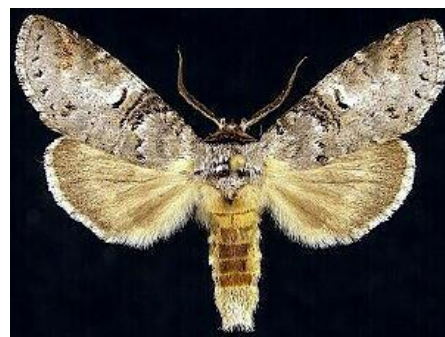
Clostera strigosa

© Jim Vargo



Peridea angulosa

© Jim Vargo



Ellida caniplaga

© Jim Vargo



Datana integerrima

© Jim Vargo



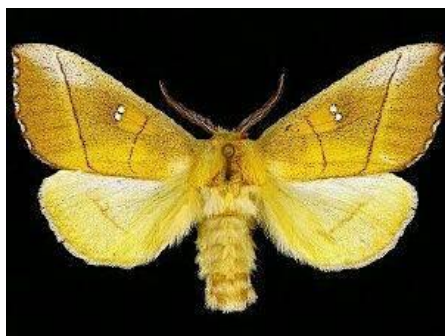
Pheosia rimosa

© Gary Anweiler



Gluphisia septentrionis

© Jim Vargo



Nadata gibbosa

© Jim Vargo



Odontosia elegans

© Jim Vargo



Gluphisia avimacula

© Gary Anweiler



Furcula borealis

© Jim Vargo



Heterocampa subrotata

© Jim Vargo



Schizura ipomoeae

© Jim Vargo



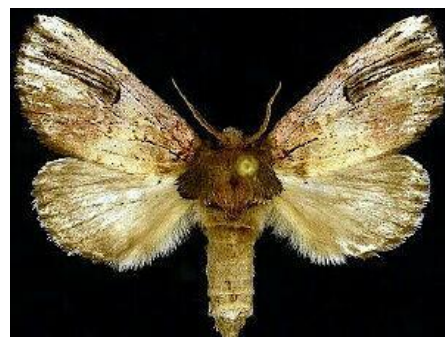
Furcula cinerea

© Jim Vargo



Heterocampa guttivitta

© Jim Vargo



Schizura badia

© Jim Vargo



Furcula occidentalis

© Jim Vargo



Heterocampa biundata

© Jim Vargo



Schizura unicornis

© Jim Vargo



Furcula modesta

© Jim Vargo



Lochmaeus bilineata

© Jim Vargo



Schizura leptinoides

© Jim Vargo



Oligocentria lignicolor

© Jim Troubridge



Clemensia albata

© Jim Vargo



Pyrrharctia isabella

© Jim Troubridge

Noctuidae



Crambidia pallida

© Jim Vargo



Haploa reversa

© Jim Vargo



Estigmene acrea

© Jim Vargo



Hypoprepia miniata

© Jim Vargo



Haploa lecontei

© Jim Vargo



Spilosoma congrua

© Jim Vargo



Hypoprepia fucosa

© Jim Vargo



Virbia aurantiaca

© Jim Vargo



Spilosoma virginica

© Jim Vargo



Hyphantria cunea

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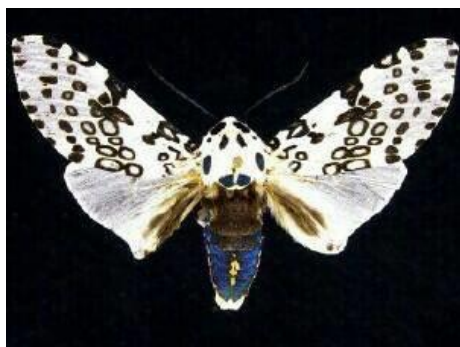
Grammia virgo

© Jim Vargo



Ctenucha virginica

© Jim Vargo



Hypercompe scribonia

© Jim Vargo



Grammia arge

© Jim Vargo



Cisseps fulvicollis

© Jim Vargo



Phragmatobia fuliginosa

© Jim Vargo



Halysidota tessellaris

© Jim Vargo



Orgyia leucostigma

© Jim Vargo



Apantesis phalerata

© Jim Vargo



Cycnia inopinatus

© Jim Vargo



Idia americalis

© Jim Vargo



Idia aemula

© Jim Vargo



Zanclognatha laevigata

© Jim Vargo



Macrochilo absorptalis

© Jim Vargo



Idia majoralis

© Jim Troubridge



Zanclognatha pedipilalis

© Jim Vargo



Macrochilo bivittata

© Jim Vargo



Idia lubricalis

© Jim Vargo



Zanclognatha cruralis

© Jim Vargo



Macrochilo orciferalis

© Jim Vargo



Phalaenophana pyramusalis

© Jim Vargo



Zanclognatha jacchusalis

© Jim Vargo



Macrochilo louisiana

© Jim Vargo



Phalaenostola metonalis

© Jim Vargo



Bleptina caradrinalis

© Jim Vargo



Lascoria ambigualis

© Jim Vargo



Phalaenostola larentioides

© Jim Vargo



Renia factiosalis

© Jim Vargo



Palthis angularis

© Jim Vargo



Tetanolita mynesalis

© Jim Vargo



Renia discoloralis

© Jim Vargo



Palthis asopialis

© Jim Vargo



Tetanolita floridana

© Jim Vargo



Renia flavipunctalis

© Jim Vargo



Rivula propinqualis

© Jim Vargo



Hypenodes caducus

© Jim Vargo



Hypena baltimoralis

© Jim Vargo



Hypena scabra

© Jim Vargo



Hypenodes fractilinea

© Jim Vargo



Hypena palparia

© Jim Vargo



Tathorhynchus exsiccata

© Jim Vargo



Dyspyralis puncticosta

© Jim Vargo



Hypena madefactalis

© Jim Vargo



Isogona tenuis

© Jim Vargo



Hypena manalis

© Jim Vargo



Hypena humuli

© Jim Vargo



Metalectra discalis

© Jim Vargo



Scolecocampa liburna

© Jim Vargo



Cissusa spadix

© Jim Vargo



Parallelia bistriaris

© Jim Vargo



Anticarsia gemmatalis

© Jim Vargo



Zale lunata

© Jim Vargo



Caenurgina crassiuscula

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Panopoda carneicosta

© Jim Vargo



Zale galbanata

© Jim Vargo



Caenurgina erechtea

© Jim Vargo



Phoebria atomarlis

© Jim Vargo



Zale horrida

© Jim Vargo



Mocis texana

© Jim Vargo



Catocala piatrix

© Jim Vargo



Catocala resecta

© Jim Vargo



Catocala ilia

© Jim Vargo



Catocala judith

© Jim Vargo



Catocala insolabilis

© Jim Vargo



Catocala relicta

© Jim Vargo



Catocala obscura

© Jim Vargo



Catocala palaeogama

© Jim Vargo



Catocala parta

© Jim Vargo



Catocala residua

© Jim Vargo



Catocala neogama

© Jim Vargo



Catocala cara

© Jim Vargo



Catocala amatrix

© Jim Vargo



Catocala grynea

© Jim Vargo



Catocala lineella

© Jim Vargo



Catocala coccinata

© Jim Vargo



Catocala clintonii

© Jim Vargo



Abrostola ovalis

© Jim Vargo



Catocala ultronia

© Jim Vargo



Catocala minuta

© Jim Vargo



Abrostola urentis

© Jim Vargo



Catocala crataegi

© Jim Vargo



Catocala micronympha

© Jim Vargo



Trichoplusia ni

© Jim Vargo



Ctenoplusia oxygramma

© Jim Vargo



Megalographa biloba

© Jim Vargo



Plusia contexta

© Jim Vargo



Chrysodeixis includens

© Jim Vargo



Autographa precationis

© Jim Vargo



Marathyssa inficita

© Jim Vargo



Rachiplusia ou

© Jim Vargo



Anagrapha falcifera

© Jim Vargo



Baileya levitans

© Jim Vargo



Allagrapha aerea

© Jim Vargo



Plusia magnimacula

© Canadian Nat'l. Coll.



Baileya australis

© Jim Vargo



Garella nilotica
© Kyle Johnson



Nola ovilla
© JF Landry



Pseudeustrotia carneola
© Jim Vargo



***Nycteola* spp.**



Protodeltote muscosa
© Jim Vargo



Homophoberia apicosa
© Jim Vargo



Meganola minuscula
© Jim Vargo



Protodeltote albidula
© Jim Vargo



Capis curvata
© Jim Vargo



Meganola spodia
© Jim Vargo



Maliattha synochitis
© Jim Vargo



Cerma cora
© Jim Vargo



Cerma cerintha

© Jim Vargo



Ponometia erastrioides

© Jim Vargo



Acronicta rubricoma

© Jim Vargo



Leuconycta diphteroides

© Jim Vargo



Bagisara gulnare

© Jim Vargo



Acronicta vulpina

© Gary Anweiler



Leuconycta lepidula

© Jim Vargo



Charadra deridens

© Jim Vargo



Acronicta vinnula

© Jim Vargo



Ponometia candefacta

© Jim Vargo



Raphia frater

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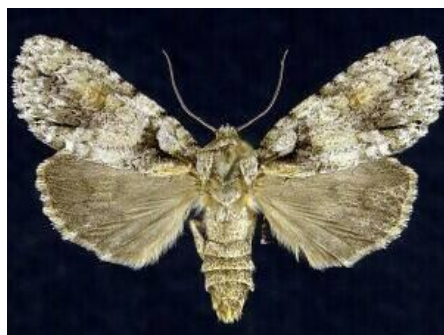
Acronicta hasta

© Jim Vargo



Acronicta morula

© Jim Vargo



Acronicta ovata

© Jim Vargo



Acronicta impressa

© Jim Vargo



Acronicta interrupta

© Jim Vargo



Acronicta increta

© Jim Vargo



Simyra insularis

© Jim Vargo



Acronicta lobeliae

© Jim Vargo



Acronicta afflicta

© Jim Vargo



Agriopodes fallax

© Jim Vargo



Acronicta exilis

© Jim Vargo



Acronicta impleta

© Jim Vargo



Anterastria teratophora

© Jim Vargo



Harrisimemna trisignata

© Jim Vargo



Apamea dubitans

© Jim Vargo



Neoligia exhausta

© Jim Vargo



Eudryas unio

© Jim Vargo



Apamea relicina

© Jim Vargo



Platypolia mactata

© Jim Vargo



Eudryas grata

© Jim Vargo



Lateroligia ophiogramma

© Jim Vargo



Meropleon ambifusca

© Jim Vargo



Apamea lignicolora

© Jim Vargo



Oligia modica

© Jim Vargo



Xylomoia chagnoni

© Jim Vargo



Hypocoena inquinata

© Jim Vargo



Papaipema cerina

© Jim Vargo



Papaipema impecuniosa

© Jim Vargo



Photedes defecta

© Jim Vargo



Papaipema cataphracta

© Jim Vargo



Papaipema leucostigma

© Jim Vargo



Loscopia velata

© Jim Vargo



Papaipema arctivorens

© Jim Vargo



Papaipema lysimachiae

© Jim Vargo



***Amphipoea* spp.**

© Jim Vargo



Papaipema harrisii

© Jim Vargo



Papaipema inquaesita

© Jim Vargo



Papaipema baptisiae

© Jim Vargo



Papaipema nebris

© Jim Vargo



Papaipema eupatorii

© Jim Vargo



Papaipema nepheleptena

© Jim Vargo



Papaipema necopina

© Jim Vargo



Papaipema rigida

© Jim Vargo



Papaipema marginidens

© Jim Vargo



Papaipema silphii

© Jim Vargo



Papaipema sciata

© Jim Vargo



Papaipema furcata

© Jim Vargo



Papaipema maritima

© Jim Vargo



Papaipema unimoda

© Jim Vargo



Hydraecia immanis

© Jim Vargo



Enargia infumata

© Jim Vargo



Phosphila miselioides

© Jim Vargo



Hydraecia micacea

© Jim Vargo



Dypterygia rozmani

© Jim Vargo



Magusa divaricata

© Jim Vargo



Bellura obliqua

© Jim Vargo



Hyppa xylinoides

© Jim Vargo



Amphipyra pyramidoides

© Jim Vargo



Euplexia benesimilis

© Jim Vargo



Nedra ramosula

© Jim Vargo



Amphipyra glabella

© Jim Troubridge



Proxenus miranda

© Jim Vargo



Spodoptera exigua

© Jim Vargo



Elaphria chalcedonia

© Jim Vargo



Crambodes talidiformis

© Jim Vargo



Spodoptera frugiperda

© Jim Vargo



Galgula partita

© Jim Vargo



Balsa malana

© Jim Vargo



Spodoptera ornithogalli

© Jim Vargo



Perigea xanthioides

© Jim Vargo



Balsa tristigella

© Jim Vargo



Elaphria versicolor

© Jim Vargo



Condica videns

© Jim Vargo



Condica vecors

© Jim Vargo



Xylena curvimacula

© Jim Vargo



Lithophane franclemonti

© Canadian Nat'l. Coll.



Ogdoconta cinereola

© Jim Vargo



Lithophane semiusta

© Jim Vargo



Lithophane* sp. near *disposita

© Jim Vargo



Cosmia calami

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Lithophane patefacta

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Lithophane hemina

© Jim Troubridge



Amolita fessa

© Jim Vargo



Lithophane bethunei

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Lithophane oriunda

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Lithophane antennata

© Jim Vargo



Eupsilia vinulenta

© Jim Vargo



Eupsilia devia

© Jim Vargo



Lithophane laticinerea

© Jim Vargo



Eupsilia sp. near sidus

© Jim Vargo



Metaxaglaea inulta

© Jim Vargo



Lithophane grotei

© Jim Vargo



Eupsilia tristigmata

© Jim Vargo



Epiglaea decliva

© Jim Vargo



Lithophane unimoda

© Jim Vargo



Eupsilia morrisoni

© Jim Vargo



Eucirroedia pampina

© Jim Vargo



Sunira bicolorago

© Jim Vargo



Psaphida rolandi

© Jim Vargo



Catabena lineolata

© Jim Vargo



Xanthia tatago

© Jim Vargo



Psaphida styracis

© Jim Vargo



Sympistis badistriga

© Jim Vargo



Psaphida electilis

© Jim Vargo



Psaphida resumens

© Jim Vargo



Sympistis chionanthi

© Jim Vargo



Psaphida grandis

© Jim Vargo



Psaphida thaxterianus

© Jim Vargo



Calophasia lunula

© Jim Troubridge



Cucullia asteroides

© Jim Vargo



Melanchra picta

© Jim Vargo



Lacinipolia implicata

© Jim Vargo



Orthodes goodelli

© Jim Vargo



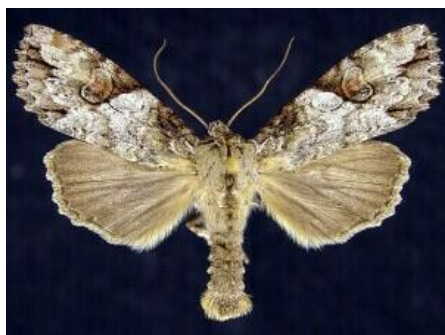
Lacanobia subjuncta

© Jim Vargo



Dargida diffusa

© Jim Vargo



Morrisonia latex

© Jim Vargo



Lacinipolia meditata

© Jim Vargo



Dargida rubripennis

© Jim Vargo



Melanchra adjuncta

© Jim Vargo



Lacinipolia renigera

© Jim Vargo



Mythimna oxygala

© Jim Vargo



Mythimna unipuncta

© Jim Vargo



Leucania multilinea

© Jim Vargo



Leucania ursula

© Jim Vargo



Leucania linita

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Leucania lapidaria

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Leucania pseudargyria

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Leucania phragmitidicola

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Leucania commoides

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Orthosia rubescens

© Jim Vargo



Leucania linda

© Jim Vargo



Leucania inermis

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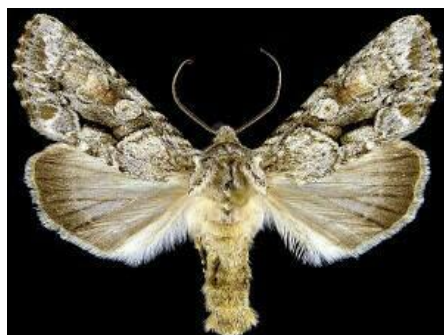
Orthosia garmani

© Jim Vargo



Orthosia alurina

© Jim Vargo



Achatia distincta

© Jim Vargo



Protorthodes incincta

© Jim Vargo



Orthosia hibisci

© Jim Vargo



Morrisonia evicta

© Jim Vargo



Pseudorthodes vecors

© Jim Vargo



Crocigrapta normani

© Jim Vargo



Morrisonia confusa

© Jim Vargo



Orthodes majuscula

© Jim Vargo



Egira dolosa

© Jim Vargo



Nephelodes minians

© Jim Vargo



Orthodes cynica

© Jim Vargo



Tricholita signata

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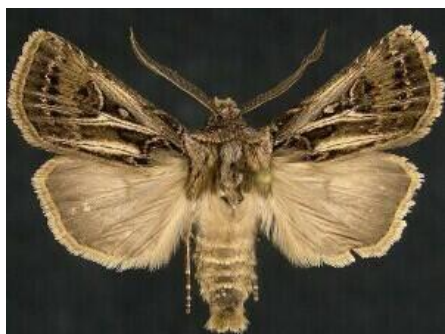
Feltia jaculifera

© Jim Vargo



Euxoa scholastica

© Jim Vargo



Agrotis gladiaria

© Jim Vargo



Feltia subgothica

© Jim Vargo



Euxoa velleripennis

© Jim Vargo



Agrotis venerabilis

© Jim Vargo



Feltia herilis

© Jim Vargo



Euxoa tessellata

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Agrotis ipsilon

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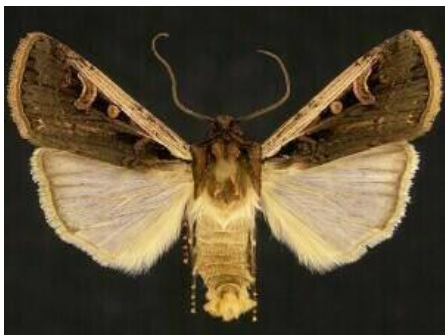
Euxoa messoria

© Jim Vargo



Dichagyris grotei

© Jim Vargo



Striacosta albicosta

© Jim Vargo



Spaelotis clandestina

© Jim Vargo



Xestia smithii

© Jim Vargo



Ochropleura implecta

© Jim Vargo



Xestia c-nigrum

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Pseudohermonassa bicarnea

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Anicla illapsa

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Xestia dolosa

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Agnorisma badinodis

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Peridroma saucia

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Xestia normanianus

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Cerastis tenebrifera

© Jim Vargo



Noctua pronuba

© Jim Vargo



Abagrotis cupida

© Jim Vargo



Schinia arcigera

© Jim Vargo



Protolampra brunneicollis

© Jim Vargo



Ufeus satyricus

© Jim Vargo



Schinia rivulosa

© Jim Vargo



Cryptocala acadiensis

© Jim Vargo



Pyrrhia cilisca

© Jim Vargo



Schinia grandimedia

© Jim Vargo



Abagrotis alternata

© Jim Vargo



Helicoverpa zea

© Jim Vargo



Schinia trifascia

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Schinia florida

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Unidentified Noctuidae

Total Species Macros = 446+