

LIST
OF THE
LEPIDOPTERA
OF
NORTH AMERICA.

BY
AUG. R. GROTE & C. T. ROBINSON.

I.



PHILADELPHIA:
AMERICAN ENTOMOLOGICAL SOCIETY.
SEPTEMBER, 1868.



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P R E F A C E .

We have compiled the present List of the Lepidoptera of North America on the plan chosen by Dr. John L. LeConte in his Catalogue of the Coleoptera published by the Smithsonian Institution in 1863. We suggest that an uniformity in the style of the Lists of the different Suborders of North America Insecta, would be of advantage to the Student of Natural History and advance the diffusion of Entomological Knowledge.

It is to be regretted that as yet but very partial Collections of Lepidoptera have been received from California and the Territories; our acquaintance with the Lepidopterological Faunæ of these lands is thus at present quite limited.

The present Number contains the Sphingidae, Aegeriidae, Thyridae, Zygaenidae and Bombycidae. The manuscript on the Butterflies is in course of completion; that on the remaining Families of the Moths awaits the publication of monographic Papers now known to be preparing for the press.

The geographical area here considered, and styled North America, embraces all that part of the Continent lying North of Mexico.

The following marks are used in the List: — after a species indicates that it is unknown to the Authors, who are therefore not responsible for its value as a distinct species; || signifies that the name has been previously employed for another species; † denotes erroneous determinations; ‡ shows that the name to which it is placed is not entitled to acceptance owing to its not having been accompanied by a description at the time of its use; Greek letters are employed to distinguish forms which are considered as races of the preceding species.

AUG. R. GROTE,
C. T. ROBINSON.

NEW YORK, October 1st, 1868.

LIST

OF THE

LEPIDOPTERA OF NORTH AMERICA.

SPHINGIDAE.

MACROGLOSSINI.

Arctonotus Boisd.

lucidus Boisd.

Lepisesia Grote.

flavofasciata Grote.

Macroglossa flav. Walk.

Sesia Fabr.

‡ **SESIA** G. & R.

thetis G. & R.

Macroglossa thetis Boisd.

diffinis Harris.

Macroglossa diff. Boisd.

Sphinx fusciformis † Smith.

axillaris G. & R.

‡ **HÆMORRHAGIA** G. & R.

gracilis G. & R.

Haemorrhagia grac. G. & R.

buffaloensis G. & R.

Haemorrhagia buff. G. & R.

thysbe Fabr.

Sphinx pelaspus Cram.

† *Sesia cimbiciformis* Steph.

a. uniformis G. & R.

Sesia ruficaudis † Walk.¹

fuscicaudis Walk.

floridensis G. & R.

Haemorrhagia florid. G. & R.

Aellopos Hübner.

titan Hübner.

Sphinx titan Cramer.

Macroglossum annulosum Swains.

Macroglossa balteata Kirtland.

tantalus Hübner.

Sphinx tantalus Linn.

Sphinx zonata Drury.

Euproserpius G. & R.

phaeton G. & R.

Euyo Hübner.

lugubris Walk.

Sphinx lug. Linn.

Sphinx fegeus Cram.

Thyreus Swainson.

abbottii Swains.

Amphion Hübner.

nessus Hübner.

Sphinx ness. Cram.

Deldamia Clemens.

inscripta Clem.

Pterogon inscriptum Harris.

Proserpius Hübner.

gaurae Hübner.

Sphinx gaurae Smith.

clarkiae Clem.—

Pterogon clarkiae Boisd.

CHOEROCAMPINI.

Darapsa Walker.²

choerilus Walk.

Sphinx choerilus Cram.

Sphinx azaleae Smith.

myron Walk.

Sphinx myron Cram.

Sphinx pampinatrix Smith.

Otus enotus Hübner.

1—Not *Sesia ruficaudis* Kirby (non alior), a species not recognizable from the description given.

2—*Otus* Hübner. Ver. is preoccupied in Ornithology; the species here cited under *Darapsa* are typical of the genus.

versicolor Clemens.*Choerocampa versic.* Harris.**Choerocampa** Duponchel.
procne Clemens.—‡ *Metopisilus* Dunean.**tersa** Harris.*Sphinx tersa* Linn.**Dellephila** Ochsenh.**chamaenerti** Harris.*Dellephila gatii* † Walk.! *Delleph. intermedia* Kirby.**lineata** Harris.*Sphinx lineata* Fabr.³*Sphinx daucus* Cram.*Dellephila daucus* Steph.**Philaampelus** Harris.**vitis** Harris.*Sphinx vitis* Linn., Drury, Fabr.,

W. V., Cram. 267 C., Smith, Westw.

— Merinn, Plate 47 (upper figure),
fide Linn.*Sphinx fasciatus* Sulzor.*Dupo jussieuae* Hübner.*Philamp. jussieuae* Walk.*Philamp. fasciatus* Lucas, H-S.*Philamp. vitis* (larva) Clem.*Philamp. jussieuae* (imago) Clem.**linnei** G. & R.*Sphinx vitis* † Cram. (268 E).*Philamp. vitis* † Walk.*Philamp. vitis* † (imago) Clem.*Philamp. fasciatus* † Grote.*Philamp. vitis* † H-S.**pandorus** Walker.*Daphne pandorus* Hübner.*Phil. satellitia* † Harris, Clem., Grote
et nob.*Philamp. ampelophaga* † Boisd.! *Sphinx satellitia* Fabr., Drury.**satellitita** Walker.⁴*Sphinx satellitia* Linn.*Sphinx licaon* Cram.*Philamp. satellitia* Burm.**a. posticatus** Grote.*Pholus licaon* Hübner.*Philamp. licaon* Grote.**achemon** Harris.*Sphinx achemon* Drury.*Sphinx erantor* Cram.

SMERINTHINI.

Smerinthus Latr.**geminatus** Say.**cerisii** Kirby.**ophthalmicus** Boisd.**exococatus** Harris.*Sphinx exococatus* Smith.? *Paonius pavonius* Geyer.**myops** Harris.*Sphinx myops* Smith.*Smerinthus rosacearum* Boisd.**astylus** Westwood.*Sphinx astylus* Drury.*Sphinx io* Guér.*Smerinthus integerrima* † Harris.**modestus** Harris.*Smerinthus princeps* Walk.**Cressonia** G. & R.**juglandis** G. & R.*Sphinx juglandis* Smith.*Smerinthus juglandis* Harris.

SPHINGINI.

Ceratonia Harris.**amyntor** G. & R.*Agrilus amyntor* Hübner.*Ceratonia quadricornis* Harris.**Daremma** Walker.**undulosa** Walk.*Sphinx brontes* † Boisd.*Macrosila brontes* † Walk.*Ceratonia repentinus* Clem.*Daremma repentinus* G. & R.**Diludia** G. & R.**jasminearum** G. & R.*Sphinx jasmin,* Boisd.

3—This is the species first described by Fabricius, Syst. Ent. 1775, not the *Sph. lineata* † of his later works (*Dellephila lineata* † Steph.) which is the European *D. livornica*. *Dell. intermedia* Kirby, described from an injured specimen, cannot be properly identified; *Dell. oxybaphi Clemens*, described from a larva, is as yet apocryphal.

4—This species is not yet taken in the United States; it occurs in the West Indies, Mexico and South America and appears to replace there our U. S. *Phil. pandorus* (*Phil. satellitia* † Harris).

5—Not yet taken in the United States. This species is figured by Mr. Grote in his Notes on the Sphingidae of Cuba, Proc. Ent. Soc. Phil. Vol. 5, pl. 1, fig. 5, male; the student is referred to that paper for remarks on the synonymy of this species and of *Dar. undulosa*—the two distinct forms having been confounded by authors.

leucophaeata (Clem).—*Sphinx leucoph.* Clem.**brontes** G. & R.⁵*Sphinx brontes* Drury.*Macrosila collaris* Walk.**Macrosila** Walk. (emend.)**rustica** Walk.*Sphinx rustica* Fabr.*Sphinx chinianthi* Smith.**carolina** Clemens.*Sphinx carolina* Linn.**celestus** G. & R.*Phleganthus celestus* Hubn.*Sphinx 5-maculata* Steph. (Haw. MS.)⁶*Sphinx carolina* † Don.*Macrosila 5-maculata* Clem.**cingulata** Clem.*Sphinx convolvuli* † Drury.*Sphinx cingul.* Fabr.*Sphinx druroei* Don.**Sphinx** Linn.**cherisis** G. & R.*Lethia cherisis* Hubn.*Sph. cinerea* Harris.**drupiforarum** Smith.**kalmiae** Smith.**gordius** Cramer.**lucitiosa** Clemens.**eromitus** Walker.*Agrius erom.* Hubn.*Sphinx sordida* Harr.**lugens** Walker.⁶‡ *Hylotus* Hubn.**plebeia** Fabr.**coniferarum** Smith.**harrisii** Grote.*Sphinx coniferarum* † Harr.*Ellema harrisii* Clem.

un spec. sequent.?

bombycoides Grote.—*Lapara bombyc.* Walk.**Dolba** Walk.**hylaesus** Walk.*Sphinx hyl.* Drury.*Sphinx prini* Smith.**Dilophonota** Burm.**ello** Burm.*Sphinx ello* Linn.**obscura** G. & R.*Sphinx obscura* Fabr.AEGERIIDAE.⁷**Melitthe** Hübner.**satyriniformis** Hübner.—**ceto** Walker.—*Trochilium ceto* Westw.**cucurbitae** (Harris).—*Aegeria cucur.* Harr.var? *Mel. ceto* Walk.**flavitibia** Walker.—*Trochilium tibiale* † Harr.**Trochilium** Scopoli.**apiforme** (Linn).⁸**marginatum** Harris.—**denudatum** Harris.**Aegeria** Fabr.**exitiosa** Say.*Stannina uroceriformis* Walk.? *Paranthrene pepsidiformis* Hubn.**quinquecaudata** Ridings.**caudata** Harris.—**tricinota** Harris.—**syringae** Harris.—**fulvipes** Harris.—**hospes** (Walsh).—*Trochilium hospes* Walsh.**tipuliformis** (Linn).⁹**pictipes** G. & R.**scitula** Harris.—**pyri** Harris.**acerni** Walker.*Trochilium acern.* Clem.**bassiformis** Walk.—**pyramidalis** Walk.—**pleciaeformis** Walk.—**odynepennensis** Walk.—**emphytiformis** Walk.—**hylotomiformis** Walk.—**pyralidiformis** Walk.—**sapygaeformis** Walk.—⁶—As yet received only from Mexico near the Texan border.⁷—No revision of the North American species has been lately published; most of our species belong to *Aegeria* Fabr.⁸—An European species introduced and acclimated in the vicinity of New York.⁹—Considered by Harris as identical with an European species.

geliformis Walk.

Zenodoxus G. & R.
maculipes G. & R.

THYRIDAE.

THYRINI.

Thyris Illiger.
maculata Harris.
Sagalassa? perspicua Walk.
Thyris vitrina † Walk.
lugubris Boisduval.

PLATYTHYRINI. 10

Dysodeu Clemens.
oculata Clemens.
Platythyris fasciata G. & R.
Varnia plena Walk.
vitrina (Boisd.)—
Thyris vitrina Boisd.
an rite Amer. bor.?
aequalis G. & R.
Varnia aequ. Walk.
Farnia flugrata Walk.
an rite Amer. bor.?

ZYGAENIDAE.

CASTNIINAE.

ALYPIINI.

Alypia Hübner.
octomaculata Hübner.
Zygaena octom. Fabr.
langtonii Couper.
Alypia octomaculata † Walk. p.
dipsaci G. & R.
sacramenti G. & R.
maccullochii Kirby.
ridingsii Grote.
lorquinii G. & R.
mariposa G. & R.

PSYCHOMORPHINI.

Psychomorpha Harris.
epimenis Harris.
Noctua epim. Drury.

EUDRIINI.

Euscirrhopterus Grote.
gloveri G. & R.
♂ ignot.

Endryus Boisd.
unio Boisd.
Eathisonotia unio Hübner.
grata Harris.
Bombyx grata Fabr.

Ciris Grote.
wilsonii Grote.

ZYGAENINAE.

Horama Hübner.
texana Grote.
Hor. plumipes † Clem.
Callicurus tex. Grote.

Laemocharis H-S.
pertyi H-S.—

Cosmosoma Hübner.
omphale Hübner.

Syntomeida Harris.
ipomaeae Harris.—
? *Euchromia ferox* Walk.

Acroleithus Clemens.
falsarius Clem.
Harrisina sanborni Packard.
americanus Grote.
Proeris amer. Boisd.
Proeris dispar † Harr. Cat.
coracina.
Aglaope coracin. Clem.

Proeris Fabr.
smithsonianus Clem.—

Pyromorpha H-S.
dimidiata H-S.
Lycomorpha centralis Walk.
Malthaca perlucidula Clem.

Scopsis Walk.
fulvicollis Walk.
Glaucopsis fulvic. Hübner.
Glaucopsis semidiaphana Harr.
packardii Grote.

Ctenucha Kirby.
virginica Grote.
Sphinx virg. Charp.
Cten. latreillana Kirby.

rossonana Grote.
♀
ochroscopus G. & R.

multifaria.

Apistoxia ? multif. Walk.
Glaucopsis rubroscapus Mén.
Cten. rubros. G. & R.

‡ *PHILOROS* Walk.

venosa Walk.

Eupsychoa Grote.
geometroides Grote.

Guophaea Walk.

vermiculata G. & R.

Callulacia verm. Grote.

hopfferi G. & R.**latipennis** (Boisd.)—

Glaucopsis latip. Boisd.

Lycomorpha Harris.

pholus Harris.

Sphinx pholus Prury.

Anatolmis Packard.

grotei Packard.**aequalis** G. & R.††

Lithosia aequa. Walk.

Cydosia Westw.

aurivitta G. & R.**nobilitella** Westw.

Tinea nobil. Cramer.

aurea (Fitch).—

Deopicia aur. Fitch.

Oeta Grote.

compta Grote.

Pocilloptera ‖ *compta* Clem.

BOMBYCIDÆ.

LITHOSIINÆ.

Hypoprepia Hübn.

fucosa Hübn.

Atalmis bicolor Fitch.

a. miniata.

Lithosia miniata Kirby.

Guophrina vittata Harris.

Cisthene Walk.

subjecta Walk.

Hypoprepia packardii Grote.

a. unifascia G. & R.

Lithosia Fabr.

argillacea Packard.

Lith. bicolor Grote.

Crambidia Packard.

pallida Packard.

Eustixis Hübn.

pupula Hübn.†‡

Eust. pup. Hübn. (489—90.)

Eust. lacta Geyer. (Eind. 4 Hund.)

Micza igniniæ Walk.

subfervens.

Micza subfer. Walk.

spec. distinct.?

Clemensia Packard.

albata Pack.

Repa cana Walk.

? *Uxia albida* Walk.

Enphaessa Pack.

mendica Pack.

Nularia mend. Walk.

Eudule biseriata H-S.

Dysauxes Hübn.

mediastina Hübn.—

Crocota Hübn.

rubicundaria Hübn.**brevicornis** Walk.

var. *Croc. rubicundaria* ‡ Walk.

? *Eubaphe aurantiaca* Hübn.

quinaria Grote.

Croc. choroina Reakirt.

nigricans Reakirt.—**immaculata** Reakirt.—

var. *3-maculosa* Reak.

ferruginosa Walk.**opella** Grote.? **laeta** (Boisd.).

Lithosia lacta Boisd.

Croc. treatii Grote.

Utetheisa Hübn.

ornatrix Hübn.

Noctua ora. Linn.

a. bella Hübn.

Tinea bella Linn.

††—As yet only received from Mexico, near the Texan border.

‡‡—*Eustixia pupula* Hübn. 327—8 is considered to represent *Thelecteria pupula* Zeller (Pyralidae). In any event, the genera being distinct, *Eustixia Hübn.* must be retained for the present genus. Geyer's correction arose probably from the fact that he considered the two species congeneric and inferred that they were so intended by Hübn. owing to the similarity of the generic names.

- β. speciosa* Grote.
Deiopeia spec. Walk.
γ. ornatrix Hübn.
Noctua orn. Linn.

ARCTIINAE.

Callimorpha Latr.

- clymene* Pack.
Hypercompa clym. Esper.
Call. carolina Harris.
interrupto-marginata Pack.
Bombyx interr. Beauv.
Hypercompa comma Walk.
lecontei Boisid.
Call. mitularis Harris.
Call. leucomelas H-S.
 var. *Hypercompa confinis* Walk.
 var. *Hypercompa contigua* Walk.
 var. *Hypercompa fulvicosta* Clem.
 var. *Call. vestalis* Pack.
Tanadu conscita Walk.

Epicallia Hübn.

- virginalis* Pack.
Chelonia virg. Boisid.
guttata G. & R.
Agurista gutt. Boisid.

Plataretia Pack.

- parthenos* Pack.
Arctia parth. Harris.
Arctia americana † Walk.
borealis Pack.—
Arctia bor. Mösch.
hyperborea G. & R.
Euprepia hyper. Curtis.
scudderi Pack.—
modesta Pack.—

Euprepia Germar.

- americana* Pack.
Arctia amer. Harris.
Arctia eaja † Fitch, Walk., Mösch.

Callaretia Pack.

- ornata* Pack.—
Arctia Schrank.
virgo Harris.
Bombyx virgo Linn.
Arctia parthenice Saund.
 ? *Call. parthen.* Kirby.

- saundersii* Grote.
Arctia virguncula † Saund.

- achaia* G. & R.
blakei Grote.
phyllira Harris.
Bombyx phyl. Drury.
figurata Harris.
Bombyx fig. Drury.
Arctia celia var. Saund.
a. celia Saund.
Bombyx fig. Beauv.
Arctia celia Saund.
nais Hübn.
 ♀ *Bombyx nais* Drury.
 ♂ *Arctia nais* Hübn.
 ♂ *Arctia phalerata* Harris.
a. decorata Saund.
 ♀ *Arctia dec.* Saund.
 ♀ *Apantesis rufians* Walk. (aberr.)
 ♀ *Aloa colorata* Walk.

nevadensis G. & R.

- anna* Grote.
complicata Walk.
persephone Grote.
Arctia virguncula † Walk.
virguncula Pack.
Callimorpha virg. Kirby.
Arctia nais † Saund.

dahurica Walk.

- Chelonia dahur.* Boisid.
speciosissima Mösch.—
quenselii Geyer.—
gelida Mösch.—
arge Harris.

- Bombyx arge* Drury.
Phalaena dione Smith.
placentia Walk.
Phalaena plac. Smith.
pallida Pack.

Nemcophila Stephens.

- caespitis* G. & R.
cichorii G. & R.
petrosa Walk.
californiae Walk.
rufula Boisid.—

Sciraretia Pack.

- echo* Pack.—
Phaluena echo Smith.
clio Pack.—

Ectypia Clemens.

- bivittata* Clemens.

Pyrrharetia Pack.*isabella* Pack.*Phalaena isab.* Smith.*californica* Pack.—**Phragmatobia** Steph.*rubricosa* Grote.*Arctia rubric* Harris.*Phrag. fuliginosa* † Walk.*vagans* Walk.—*Arctia vagans* Boisd.*dubia* G. & R.*Cyenia dubia* Walk.*assimilans* Walk.

an rite Amer. bor.?

Antaretia Hübn.*punctata* Pack.**Leucaretia** Pack.*acraea* Pack.♀ *Bombyx acria* Drury.♂ *Bombyx caprotina* Drury.*californica* Pack.—**Spilosoma** Steph.*virginica* Walk.*Bombyx virgin.* Fabr.*congrua* Walk.*vestalis* Pack.**Hyphantria** Harris.*textor* Harris.*Spilosoma candida* Walk.*punctata* Fitch.—*cunea* Fitch.*Bombyx cunea* Drury.*Phalaena punctatissima* Smith.**Euchaetes** Harris.*egle* Harris.*Bombyx egle* Drury.a. *collaris*.*Hyphantria coll.* Fitch.*Tanada antica* Walk.*eglenensis* Clemens.**Arachnis** Hübn.*picta* Pack.—**Epanttheria** Hübn.*scribonia* Hübn.*Phalaena scrib.* Stoll.*Phalaena oculatissima* Smith.*Bombix cuneigunda* Beauv.**Halistidota** Hübn.*tessellaris* Hübn.*Phalaena tess* Smith.*Hal. antiphola* Walsh.*Hal. harrisii* Walsh.*cinctipes* Grote. 13*Hal. tessellaris* † Walk. (descr.)*caryae* Clemens.*Lophocampa car.* Harris.*Hal. annulifascia* Walk.*Phegoptera porphyria* II-S.*maculata* Clemens.*Lophocampa macul.* Harris.*Hal. fulvoftava* Walk.*Phegoptera guttifera* II-S.*californica* Walk.*Hal. angulifera* Walk.*agassizii* Pack.—*edwardsii* Pack.*Hal. translucida* Walk.*argentata* Pack.—† *roseata* Walk.

DASYCHIRINAE.

Orgyia Oechsenheim.*nova* Fitch.*Org. antiqua* † Walk.*leucostigma* Harris.*Phalaena leuc.* Smith.*definita* Pack.—*vetusta* Boisd.—**Parorgyia** Pack.*plagiata* G. & R.*Edema? plag.* Walk.*clintonii* G. & R.*leucophaea* † Hübn.*Par. achatina* † Pack.*leucophaea* Pack.*Phalaena leuc.* Smith.*basifava* Fick.*obliquata* G. & R.*parallela* G. & R.*achatina* (Smith.).—*Phalaena uchat.* Smith.*cinnamomea* G. & R.*clandestina* (Walk.).—*Dasychira claud.* Walk.**Laria** Curtis.*rossii* Curtis.—

13.—Not yet taken within our Territory. Specimens examined came from Mexico (Vera Cruz) and Cuba; it will probably occur in Texas.

Carama Walk.**cretata.***Lagoua cretata* Grote.**Lagoa** Harris.**crispata** Pack.*Lagoa opercularis* † Harris.**opercularis** Pack.*Phalaena opere*, Smith.*Pimclo lanuginosa* Clem.**pyxidifera** Pack.—*Phalaena pyxid*, Smith.

COCHLIDINIÆ.

Euclea Hübn.**querceti** Pack.*Limacodes rippus* † Harris, Walk.*Limacodes querc.* H-S.*Euclea monitor* Pack.**quercicola** Pack.—*Limacodes quercic.* H-S.**bifida** Pack.—**ferruginea** Pack.—**paenulata** Pack.*Empretia paen* Clem.**Parasa** Moore.**chloris.***Neaera chloris* H-S.*Limacodes viridus* Reakirt.*Callochloa vernata* Pack.**Monoleuca** G. & R.**semifascia** G. & R.*Limacodes semif.* Walk.**Nochelia** Clemens.**tardigrada** Clem.—**Empretia** Clemens.**stimulea** Clem.**Phobetron** Hübn.**pithecium** Pack.♂ ♀ *Phalaena pithee*, Smith.*Phobetron abbotana* Hübn.♂ *Thyridopteryx ephemeræformis* † [Pack.]**hyalinum** (Walsh).—♂ *Limacodes hyal.* Walsh.

spec. distinct.?

nigricans Grote.*Thyridopteryx nigr.* Pack.**Limacodes** Latr. 14**scapha** Harris.*Lim. undifera* Walk.**inornata** G. & R.**biguttata** Pack.**y-inversa** Pack.

‡ LIMACODES Pack.

rectilinea G. & R.**fasciola** H-S.*Lim. latitlavia* Clem.**Packardia** G. & R.**fusca** G. & R.*Cyrtosia fusca* Pack.**geminata** G. & R.*Cyrtosia gemin.* Pack.**ocellata** G. & R.*Cyrtosia ocell.* Grote.**albipuncta** G. & R.*Cyrtosia albip.* Pack.**Adoneta** Clemens.**spinuloides** Grote.*Limacodes spin.* H-S.*Adoneta voluta* Clem.**leucosigma** Grote.*Cyclopteryx leucos.* Pack.

un spec. praeec.?

pygmaea G. & R.**Heterogenea** Knoch.**shurtleffi** Pack.**Kronaea** Reakirt.**minuta** Reakirt.*Limacodes min.* Reak.**Isa** Pack.**textula** Pack.—*Limacodes t.e.c.* H-S.**Tortricidia** Pack.**pallida** Pack.*Limacodes pall.* H-S.**testacea** Pack.**flavula** Pack.—*Limacodes flav.* H-S.

PSYCHINIÆ.

Psyche Ochs.**confederata** G. & R.

Phryganidia Pack.
californica Pack.

Thyridopteryx Stephens.
ephemeraeformis Steph.
Oiketicus coniferarum Harr.

Iacosoma Grote.
chiridota Grote.

Perophora Harris.
melsheimerii Harris.
Arrhodia egenaria Walk.

PTILODONTINAE.

Ichthyura Hübner.
inclusa Hübner.
Clostera americana Harr.
ornata G. & R.
inversa Pack.
indentata Pack.—
albosigma Morris.
Clostera albos. Fitch.
vau Morris.—
Clostera vau Fitch.

Apatelodes Packard.
torrefacta Pack.
Phalaena torref. Smith.
angelica Grote.
Parathyris angel. Grote.
Apat. hyalinopuncta Pack.

Datana Walk.
ministra Walk.
Phalaena min. Drury.
angusii G. & R.
major G. & R.
integerrima G. & R.
?Phalaena ministra Smith.
contracta Walker.
perspicua G. & R.

Nudata Walk.
gibbosa Walker.
Phalaena gibb. Smith.
doubledayi Pack.—

Hyparpax Hübner.
aurora Hübner.
Phalaena aur. Smith.
♂ *Dryocampa venusta* Walk.
♀ *Sangata rosea* Walk.

Gluphisia Boisid.
trilineata Pack.
?Gluph.? septentrionalis Wulk.

Notodonta Ochsen.
stragula Grote.
basitriens Walk.¹⁵

Lophodonta Pack.
ferruginea Pack.
angulosa Pack.
♂ *Phalaena ang.* Smith.
(fig. inf.)
georgica G. & R.
♂ *Phalaena angulosa* † Smith.
(fig. sup.)
Notodonta georg. H-S.

Pheosia Hübner.
rimosa Pack.
dimidiata (H-S).—
au rite Amer. bor.?

Nerice Walk.
bidentata Walk.

Edema Walker.
albifrons Walk.¹⁶
Phalaena albif. Smith.

Scirodonta G. & R.
bilineata G. & R.
Cecrita? *bilineata* Pack.
Heterocampa turbida Walk.
Edema? *associata* Walk.
mustelina (Pack.).—
Cecrita? *mustelina* Pack.

Oedemasia Pack.
concinna Pack.
Phalaena concinna Smith.
nitida Pack.—
badia Pack.
Heterocampa significata Walk.

Dasylophia Pack.
anguina Pack.
Phalaena anguina Smith.
♀ *Drymonia cucullifera* H-S.
♂ *Heterocampa punctata* Walk.
interna Pack.
Heterocampa tripartita Walk.

Schizura Doubleday.
ipomeae Doubleday.—

15—*Notodonta playata* || Walk. is the European *N. trilophus* with an erroneous locality.

16—*Edema producta* Walk. and *Edema fuscescens* Walk. belong to *Inigura* (Noctuidae).

Coelodasys Paek.**unicornis** Paek.

- Phalaena unicornis* Smith.
var. ♂ *Edema semirufescens* Walk.
Edema humilis Walk.

edmandsii Paek.—**apicalis** G. & R.**leptinoides** G. & R.

Heterocampa leptin. Grote.

biguttata Paek.

- ♂ *Heterocampa lucens* Walk.
♀ *Heteroc. compta* Walk.
? ♂ *Heteroc. corticea* Walk.

harrisii Paek.—**cinereofrons** Paek.

Heterocampa ustipennis Walk.

Inuassa Walk.**lignicolor** Walk.

- ♂ *Xylinales virgata* Paek.
♂ *Edema? transversata* Walk.
♀ *Esacreta lignigeru* Walk.

Heterocampa Doubleday.**astarte** Doubled.—

♀ *Het. varia* Walk. 17

obliqua Paek. 18**brunnea** G. & R. 19

♂ ignot.

umbrata Walk.—**trouvelotii** Paek.—**pulverea** G. & R. 20

♂ ignot.

marthesia. 21

- Phalaena mar.* Cramer. (264 B.)
Lochmaeus tessella Paek.
Cerura turbida Walk.
Heterocampa luss. G. & R.

elongata G. & R.**guttivitta** G. & R.

- Cecrita gutt.* Walk.
Het. biundata † Paek.
Drymonia mucorea H-S.
Drymonia indeterminata Walk.

biundata Walk. 22

- Lochmaeus olivata* Paek.
Het. semiplaga Walk.
Stauropus viridescens Walk.

thyatirides Walk.—**cinerea.**

- Lochmaeus cin.* Paek.
Misoguda sobria Walk.

unicolor.

Lochmaeus unic. Paek.

marina.

Lochmaeus mar. Paek.

‡ **LOCHMAEUS** Doubleday.

manteo Walk.

- Lochm. manteo* Doubl.
Het. subalbicans Grote.
Tudanu cinerascens Walk.

Platycerura Packard.**furcilla** Paek.**Cerura** Schrank.**borealis** Harris.

- Phalaena furcula* † Smith.
Dicranura bor. Boisd.

cinerea Walk.**scitiscrpta** Walk. 23

PLATYPTERYGINAE.

Drepana Schrank.**arcuata** Walk.

Platypteryx furcula Grote.

genicula Walk.

Platypteryx genic. Grote.

Platypteryx Laspeyres.**bilineata** Grote.

Edapteryx bilin. Paek.

Dryopteris Grote.**rosea** Grote.

- Drepana ros.* Walk.
Clix americana H-S.
Platypteryx formula Grote.
var. *Drepana marginata* Walk.
irrorata Packard.

17—Teste Abbot, p. 1164—in libr. D. Gray.

18—Male and female, G. & R. Trans. Am. Ent. Soc. Vol. 1, figs. 25—27.

19—Abbot, Pl. 121 f, female.

20—Abbot, Pl. 120 f.

21—Abbot, Pl. 119 f.

22—Abbot, Pl. 118 f.

23—The following species described by Mr. Walker are irrecognisable owing to the vague descriptions given of them in the Brit. Mus. Lists: *Drymonia? confusa*, p. 413, *Heterocampa mollis*, p. 422, *Het. nigrosignata*, p. 422, *Psaphida resinens*, p. 448, *Certilia flexuosa*, p. 441, *Hatima semirufescens*, p. 450, *Acherodes ferraria*, p. 451, *Bellura gortynoides* p. 465. The specimens determined as *Notodonta stragula* belong to *N. basitrens*.

ATTACINAE.

Telea Hübner.**polyphemus** Hübner.*Attacus polyph.* Linn.**Actias** Leach.**luna** Leach.*Attacus luna* Linn.**Attacus** Linn.**splendida** (DeBeaur).—**Samia** Hübner.**cynthia** Hübner.²⁴*Attacus cya.* Drury.**Callosamia** Pack.**promethea** Pack.*Attacus prom.* Drury.**angulifera** Pack.*Samia angulif.* Walk.*Saturnia atys* † Boisid.**Platysamia** Grote.**cecropia** Grote.*Attacus cecropia* Linn.**columbia** Grote.*Samia columbia* Smith.**californica** Grote.*Saturnia caryalc* † Boisid.*Saturnia ceanoti* † Behr.**Saturnia** Schrank.**galbina** Clemens.²⁵

CERATOCAMPINAE.

HEMILEUCINI.

Hemileuca Walker.**maia** Walk.*Bombyx maia* Drury.*Bombyx proserpina* Fabr.**grotei** Hopffer.**Pseudohazis** G. & R.**oglanterina** G. & R.*Saturnia oglant.* Boisid.**pica** G. & R.*Hemileuca pica* Walk.**hera** G. & R.—*Saturnia hera* Harris.**Coloradia** Blake.**pandora** Blake.**Hyperchiria** Hübner.**varia** Walker.*Phalaena io* † Smith.*Saturnia io* † Harris.*Io fabricii* † Boisid.**zeller** G. & R.

DRYOCAMPINI.

Eacles Hübner.**imperialis** Hübner.*Bombyx imper.* Drury.*Bombix didyma* Beauv.**Citheronia** Hübner.**regalis** Hübner.♀ *Phalaena laocoon* † Cram.²⁶♂ *Phalaena laocoon* † Stoll.*Bombyx regalis* Fabr.*Eacles laocoon* † Walk.**sepulcralis** G. & R.**Adelocephala** Boisid.**bicolor** Grote.*Dryocampa bic.* Harris.♂ ♀ *Sphingicampa distigma* Walsh.♂ *Dryocampa bivolor* Walsh.**Anisota** Hübner.**stigma** Hübner.*Phalaena stigma* Smith.**senatoria** Hübner.*Phalaena senat.* Smith.**pellucida** Grote.*Phalaena pellucida* Smith.**virginiensis** Pack.—*Bombyx virginiensis* Drury.*Anisota pellucida* Hübner. Verz.

‡ DRYOCAMPA Harris p.

rubicunda Grote.²⁷*Bombyx rubic.* Fabr.*Dryocampa rubic.* Harris.

24—An Asiatic species cultivated in the United States for its silk, and acclimated on the alanthus in Brooklyn, L. I.

25—The genus *Saturnia* is restricted properly to the European *S. pyri*, *S. carpani*, and *S. spini*, and to the Asiatic *S. pyretorum*.

26—Pl. 117, figs. B—C; fig. A (male) *Cith. laocoon* Cram. sp. and is distinct from our U. S. C. *regalis*. Vido G. & R. Ann. N. Y. Lyc. N. Hist. Vol. viii, 1866 and Trans. Am. Ent. Soc. Vol. 2, 1868.

27—*Dryocampa rubicunda* Walk., from "Brazil", is our species with an erroneous locality. *Dryocampa venusta* Walk. is male *Hyparpx aurora* Hübner. Hence *Anis. walkeri* Grote, proposed for *Dry. rubic.* Walk., falls away.

LACMNEIINAE.

Gastropacha Ochsen.*americana* Harris.*Gastr. occidentia* Walk.? *Phalaena ilicifolia* † Smith.*ferruginea* Pack.—**Tolyte** Hübner.*velleda* Hübn.*Bombyx velleda* Stoll.*a. minuta* Grote.

spec. distinct.?

laricis Pack.*Planosa laric.* Fitch.**Artace** Walker.*punctistriga* Walker.**Clisiocampa** Curtis.*americana* Harris.*Phalaena castrensis* † Smith.*Clisioc. decipiens* Walk.? *Bombyx americana* Fabr.*disstria* Grote.*Phalaena neustria* † Smith.*Malacosoma dis.* Hübn. Verz.*Clisioc. sylvatica* Harris.*californica* Pack.

HEPIALINAE.

COSSINI.

Xyleutes Hübner.*robiniae* Harris.*Cossus robiniae* Pack.**maomurtrei.***Cossus maom.* Boisd.*crepera* Harris.—*querciperda* Fitch.*populi* Pack.*Cossus pop.* Walk.*plagiatus* Pack.*Cossus plag.* Walk.**Zeuzera** Fabr.*pyrina* Fabr.—*canadensis* H.-S.—

HEPIALINI.

Sthenopsis Packard.*argenteomaculata.**Hepialus argent.* Harris.*Gorgopsis arg.* Grote.*quadriguttata* Packard.*Gorgopsis 4-guttata* Grote.♀ *Hepialus argenteomaculata* † Harris in Lake Sup.*Hepialus argentcom.* † Walk.*Sthen. argent.* † Pack.*purpurascens* Pack.—*argentata* Pack.—**Hepialus** Linn.*hyperboreus* Moeschler.—*pulcher* Grote.*mustelinus* Pack.—*labradoriensis* Pack.—*graciliis* Grote.

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