

CATALOGUE

OR THE

NEUROPTEROID INSECTS

(EXCEPT ODONATA)

OF THE

UNITED STATES

BY

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PREFACE.

In 1892 I published in the "Transactions of the American Entomological Society" a synopsis, catalogue and bibliography of our Neuropteroid insects. During the fifteen years that have elapsed since then a large number of species have been described and several families have been the subject of revision. Abroad there has also been an awakening in the study of both European and exotic Neuropteroid insects; so that now we know much better the genera, as well as the species, of Europe and tropical countries. All this has helped in the study of our forms, and although there are many families yet to be revised, still the condition of our knowledge of our Neuropteroid insects is to-day on a plane fairly comparable to that of most other orders of insects.

These additions of the last fifteen years are widely scattered in our literature, and to bring them in catalogue form together with the older species will, I hope, facilitate the study of these insects.

The various groups of Neuropteroid insects are so strikingly different, one from the other, that many entomologists have regarded each of the older families as an order. Extreme views are hardly suitable for a catalogue, so I have here adopted five orders, which are now in fairly common use. These are the Isoptera or white ants, the Corrodentia, the Archiptera or Pseudoneuroptera, the Neuroptera, now restricted, and the Trichoptera, or caddice-flies. Under these terms I place some other groups as suborders, superfamilies, etc. I have not included the Odonata, or dragon-flies, in this catalogue, partly because I have not studied them recently, and partly because those who do study them take but little interest in the other groups. They will constitute another order, Odonata, closely related to the mayflies. Altogether there are nearly 900 species listed in this catalogue, arranged under 210 genera. The catalogue may be considered complete up to the summer of 1907.

LOCALITIES.

E. S. = Eastern States; N. E. S. = Northeastern States; S. W. S. = Southwestern States; U. S. = United States, etc.

CATALOGUE
OF THE
NEUROPTEROID INSECTS.

Order ISOPTERA Brullé.

TERMITIDÆ.

CALOTERMES.

Hagen, Sitzber, Akad. Wiss. Berlin, 1858, 480.

castaneus Burm., Handb. ii, 764, 1839 (*Termes*); Hagen, Linn. xii, 38, 1857.—
W. S.

anticus Walk., B. M. Cat. Neur. 523, 1853.

guatimalæ Walk., B. M. Cat. Neur., 528, 1853.

marginipennis Latr., Humboldt, Recueil Zool. ii, iii, 1811-32 (*Termes*); Hagen.
Linn. xii, 47, 1857.—S. W. S.

mexicanus Walk., B. M. Cat. Neur., 528, 1853 (*Termes*).

CRYPTOTERMES.

Banks, Ent. News, 1906, 336.

cavifrons Banks, Ent. News, 1906, 337.—Fla.

EUTERMES.

Hagen, Linn. Entom. xii, 186, 1857.

nigriceps Hald., Proc. Acad. Nat. Sci. Phila. 1853, 365; Hagen, Linn. xii, 230,
1857; Neur. N. Am. 6, 1861.

TERMES.

Linné, Syst. nat. xiii, 2911, 1793.

cinereus Buckley, Proc. Ent. Soc. Phila. i, 212, 1862; Desneux, Ann. Soc. Ent.
Belg. 1905, 342.—Tex.

flavipes Kollar, Naturgesch. schäd. Ins. 411, 1837; Burm., Handb. ii, 768, 1839;
Hagen, Linn. xii, 182, 1857; xiv, 107, 1860; Neur. North. Amer. 3,
1861.—U. S.

frontale Hald., Proc. Acad. Nat. Sci. Phila. 1844, 55.

lucifugus Rossi, Mant. Ins. Etrusc. i, 107, 1792; Hagen, Linn. xii, 174, 1857;
Sjost., Kgl. Svensk. Vet. Akad. Handl. 34. No. 4, 138, 1900.—W. S.

tenuirostris Desneux, Ann. Soc. Ent. Belg. 1904, 238; 1905, 341.—Tex.

tubiformans Buckley, Proc. Ent. Soc. Phila. i, 213, 1862; Desneux, Ann. Soc.
Ent. Belg. 1905, 338.—Tex., N. Mex.

wheeleri Desneux, Ann. Soc. Ent. Belg. 1905, 340.—Tex.

TERMOPSIS.

Heer, Insektenfauna von Eningen, ii, 23, 1849.

angusticollis Hag., Linn. xii, 75, 1857; Syn. Neur. N. Am. 3, 1861; Bull. Geol.

Surv. Terr. 1875, 571.—W. S.

castaneus Walk., B. M. Cat. Neur. 506, 1853 (nec. Burm.).

laticeps Banks, Ent. News, 1906, 337.—Ariz.

EMBIIDÆ.**EMBIA.**

Latreille, Fam. Nat. R. Anim. 437, 1825.

californica Banks, Trans. Amer. Ent. Soc. xxxii, p. 1, 1905.—Cal.

hubbardi Hag., Can. Ent. 1885, 142.—Fla. (*Oligotoma*).

texana Melander, Biol. Bull. iii, 19, 1902.—Tex.

Order **CORRODENTIA** Burmeister.**PSOCIDÆ.****ATROPINÆ.****TROCTES.**

Burmeister, Handb. ii, 773, 1839.

bicolor Banks, Ent. News, 1900, 559.—Va., Ill.

bicolor Enderl., Zool. Jahrb. Syst. xviii, p. 361, 1903.

divinatorius Müll., Zool. Dan. Prod. 184, 1776 (*Termes*); Fabr., Fauna Grœn.

214, 1780; Hagen, Syn. Neur. N. Am. 8, 1861; Stett. Ent. Zeit. 1883, 289.—U. S.

pulsatorius Latr., Coq. Ill. Icon. Ins. 1799 (not Linné).

niger Banks, Ent. News, 1900, 560.—Va.

purpurea Aaron, Trans. Amer. Ent. Soc. xi, 37, 1883.

STENOTROCTES.

Enderlein, Jägerskiöld Exped. No. 18, 43, 1905.

needhami Enderl., Zool. Jahrb. Syst. xviii, p. 360, 1903 (*Troctes*); Jägerskiöld Exped. No. 18, 44, 1905.—Ill.

LEPIDILLA.

Ribaga, Redia. ii, 99, 1904.

kelloggii Ribaga, Redia, ii, p. 100, 1904.—Cal.

ATROPOS.

Leach, Edin. Ency. ix, 139, 1815.

Clothilla Westw., Mag. Nat. Hist., vi, 480, 1841.

pulsatoria Linn., Faun. Suec. 2, 474, 1761 (*Termes*); Hagen, Stett. Ent. Zeit. 1883, 300; Enderlein, Jägerskiöld Exped. No. 18, 14, 1905.

MYOPSOCNEMA.

Enderlein, Jägerskiöld Exped. No. 18, 17, 1905.

annulata Hag., Ent. Mo. Mag. ii, 122, 1865; Stett. Ent. Zeit. 1883, 307; Enderlein, Jägerskiöld Exped. No. 18, 17, 1905.—E. S.

HYPERETES.

Kolbe, J. B. zool. Sect. Westfal. Ver. 1879-80, 132.

tessulatus Hag., Stett. Ent. Zeit. 1883, 316.—N. S.

DORYPTERYX.

Aaron, Trans. Amer. Ent. Soc. xi, 37, 1883.

hageni Banks, Amer. Natur. 1897, 382.—Ky.

pallida Aaron, Trans. Amer. Ent. Soc. xi, 38, 1883.—Pa., N. Y., D. C.

LEPINOTUS.

Heyden, Stett. Ent. Zeit. xi, 84, 1850.

Paradoxoides Motsch., Bull. Moscou, xxiv, 510, 1851.

inquillnus Heyden, Stett. Ent. Zeit. 1850, 84; Hag., Stett. Ent. Zeit. 1883, 309;

Enderlein, Jägerskiöld Exped. No. 18, 25, 1905.—U. S.

psocoides Motsch., Bull. Moscou, xxiv, 510, 1851.

picea Hag., Syn. Neur. N. Amer. 8, 1851.

PSOCINELLA.

Banks, Ent. News, 1900, 431.

slossonæ Ent. News, 1900, p. 432.—Fla.

PSOCINÆ.**OCELLATARIA.**

Weber, Ent. News, 1907, 189.

gravinympba Weber, Ent. News, 1907, 189.—Penna.

AMPHIENTOMUM.

Hagen, Verh. zool. bot. Ges. Wien. 1866, 203.

Echmepteryx Aaron, Proc. Acad. Nat. Sci., Phil. 1886, 17.

hageni Pack., Proc. Bost. Soc. Nat. Hist. 1871, 405.—E. S.

agilis Aaron, Proc. Acad. Nat. Sci. Phil. 1886, 17.

PTERODELA.

Kolbe, J. B., zool. Sect. Westfal. Ver. 1879-80, 118.

pedicularis Linn., Faun. Suec. 2, 384, 1761 (*Hemerobius*); Hagen, Psyche iii, 1881, 195.—U. S.

salicis Fitch, MSS. Hag. Neur. N. Am. 13, 1861.

geologus Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 362.

pusillus Harr., Ent. Corr. 331, 1869.

rufus Walsh, Proc. Ent. Soc. Phil. 1863, 185 (*Psocus*).—E. S.

CÆCILIUS.

Curtis, Brit. Entom. pl. 648, 1837.

aurantiacus Hag., Syn. Neur. N. A. 14, 1861 (*Psocus*).—U. S.

confuens Walsh, Proc. Ent. Soc. Phil. 1863, 185.—Ill.

definitus Aaron, Trans. Amer. Ent. Soc. xi, 33, 1883.—Pa.

flavidus Prov., Pet. Faun. Can. Neurop. 64, 1883 (*Psocus*).—Can.

impactus Aaron, Proc. Acad. Nat. Sci. Phil. 1886, 14.—Pa.

nubilus Aaron, Proc. Acad. Nat. Sci. Phil. 1886, 13.—Tex.

pinicola Banks, Journ. N. Y. Ent. Soc. 1903, 238.—Va.

subflavus Aaron, Proc. Acad. Nat. Sci. Phil. 1886, 13.—Tex.

PERIPSOCUS.

- Hagen, Verh. zool.-bot. Ges. Wien, 1866, 203.
californicus Banks, Journ. N. Y. Ent. Soc. 1903, 237.—Colo.
fumosus Banks, Journ. N. Y. Ent. Soc. 1903, 237.—Colo.
madescens Walsh, Proc. Ent. Soc. Phil. 1863, 186 (*Psocus*).—Ill.
madidus Hag., Syn. Neur. N. A. 12, 1861 (*Psocus*).—E. S.
permadidus Walsh, Proc. Ent. Soc. Phil. 1863, 185 (*Psocus*).—E. S.

MESOPSOCUS.

- Kolbe, Jahrber., Westfal. Provinzialver. 1890, 112.
unipunctatus Müll., Faun. Ins. Friedr. 66, 1764; Hagen, Psyche, iii, 207, 1881.—N. S.
signatus Hag., Neur. N. Am. 9, 1861 (*Psocus*).
gracilis Harr., Ent. Corr. 332, 1869 (*Psocus*).

ELIPSOCUS.

- Hagen, Verh. zool.-bot. Ges. Wien. 1866, 203.
canadensis Prov., Nat. Canad. x, 124, 1875; Pet. Faun. Canad. Neuropt. 65, 1883.—E. S.
conterminus Walsh, Proc. Ent. Soc. Phil. 1863, 185 (*Psocus*).—E. S.
maculosus Aaron, Trans. Amer. Ent. Soc. xi, 40, 1883.—Pa.
occidentalis Banks, Journ. N. Y. Ent. Soc. 1907, 166.—Vanc. Isl.
pumilis Hag., Syn. Neur. N. A. 9, 1861 (*Psocus*).—N. Y.
punctatus Banks, Trans. Amer. Ent. Soc. xxxii, p. 1, 1905.—Calif.

POLYPSOCUS.

- Hagen, Verh. zool.-bot. Ges. Wien. 1866, 203.
 Enderlein, Zool. Jahrb. Syst. xiv, 153, 1900.
Ptilopsocus Enderlein, Zool. Jahrb. Abt. Syst. xiv, 150, 1900.
annulicornis Banks, Journ. N. Y. Ent. Soc. 1903, p. 238 (*Ptilopsocus*).—Va.
corruptus Hag., Neur. N. Am. 13, 1861 (*Psocus*).—E. S.
abruptus Hag., Neur. N. Am. 13, 1861.

MYOPSOCUS.

- Hagen, Verh. zool.-bot. Ges. Wien. 1866, 203.
coloradensis Banks, Journ. N. Y. Ent. Soc. 1907, 164.—Colo.
lugens Hag., Neur. N. Am. 9, 1861 (*Psocus*).—E. S.
nubilus Harr., Ent. Corr. 331, 1869.
sparsus Hagen, Syn. Neur. N. Am. 8, 1861; Prov., Pet. Faun. Canad. Neuropt. 63, 1883.—E. S.
infuscatus Harris, Ent. Corr. 332, 1869.
virginianus Banks, Trans. Amer. Ent. Soc. xxvi, 239, 1900 (*Psocus*).—Va., D. C.

PSOCUS.

- Latreille, Bull. Soc. Philom. i, 85, 1794.
Amphigerontia Kolbe, J. B. zool. Sect. Westfal. Ver. 1879-80, 104.
Blaste Kolbe, Stett. Ent. Zeit. 1883, 79.
amabilis Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 362.—Ill.
atratus Aaron, Trans. Amer. Ent. Soc. xi, 39, 1883.—Pa., Va.

- bisignatus* Banks, Proc. Ent. Soc. Wash. vi, p. 203, 1904.—Va.
californicus Banks, Trans. Amer. Ent. Soc. xxxii, p. 2, 1905.—Cal.
campestris Aaron, Proc. Acad. Nat. Sci. Phil. 1886, 15.—Tex.
citricola Ashm., Can. Ent. 1879, 228.—Fla.
cockerelli Banks, Trans. Amer. Ent. Soc. xxx, p. 100, 1904.—N. Mex.
confraternus Banks, Trans. Amer. Ent. Soc. xxxii, p. 2, 1905.—E. S.
bifasciatus Walsh, Proc. Ent. Soc. Phil. 1863, 183 (not Stephens).
conspersus Banks, Proc. Ent. Soc. Wash. v, p. 237, 1903.—Ariz., Colo.
elegans Banks, Proc. Ent. Soc. Wash. vi, p. 203, 1904.—Va.
floridanus Banks, Trans. Amer. Ent. Soc. xxxii, p. 2, 1905.—Fla.
genualis Banks, Journ. N. Y. Ent. Soc. 1903, p. 236.—Tex.
hageni Banks, Proc. Ent. Soc. Wash. vi, 202, 1904.—E. S.
contaminatus Hagen, Syn. Neur. N. Am. 10, 1861 (not Stephens).
infumatus Banks, Journ. N. Y. Ent. Soc. 1907, 165.—Va.
inornatus Aaron, Trans. Amer. Ent. Soc. xi, 39, 1883.—Pa.
juvenilis Kolbe, Stett. Ent. Zeit. 1883, 80 (*Blaste*).—Pa.
leidy Aaron, Proc. Acad. Nat. Sci. Phil. 1886, 15.—E. S.
lichenatus Walsh, Proc. Ent. Soc. Phil. 1863, 183; Hag., Psyche iii, 223, 1881.
 —Ill.
lucidus Harr., Ent. Corr. 328, 1869.—Mass.
medialis Banks, Journ. N. Y. Ent. Soc. 1907, 165.—Fla.
minusculus Banks, Trans. Amer. Ent. Soc. xxxii, p. 3, 1905.—Va.
mobilis Hag., Syn. Neur. N. A. 12, 1861.—Ala. (?)
moderatus Banks, Journ. N. Y. Ent. Soc. 1907, 165.—Me.
moestus Hag., Neur. N. Am. 11, 1861; Psyche iii, 1881, 223.—E. S.
novæscotiæ Walk., B. M. Cat. Neur. 485, 1853; Hag., Syn. Neur. N. A. 11,
 1861; Prov., Pet. Faun. Canad. Néuropt. 64, 1883.—N. S.
oppositus Banks, Journ. N. Y. Ent. Soc. 1907, 165.—Va.
oregonus Banks, Trans. Amer. Ent. Soc. xxvi, 239, 1900.—Oreg.
perplexus Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 361.—Ill., Va.
pollutus Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 361.—Ill., Va.
purus Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 361.—Ill., Va.
quietus Hag., Syn. Neur. N. A. 12, 1861.—N. Y., Ga.
quadrifasciatus Harr., Ent. Corr. 331, 1869.—Mass.
semistriatus Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 361.—E. S.
sexpunctatus Linn., Syst. Nat. x, 550, 1758; Aaron, Trans. Am. Ent. Soc. xi,
 39, 1883.—Pa.
slossonæ Banks, Journ. N. Y. Ent. Soc. 1903, p. 236.—E. S.
striatus Walk., B. M. Cat. Neur. 486, 1853; Hag., Neur. N. Am. 11, 1861.—E. S.
frontalis Harr., Ent. Corr. 330, 1869.
submarginatus Aaron, Proc. Acad. Nat. Sci. Phil. 1886, 16 (as var. of *P. texana*).
 —Tex., Fla.
texana Aaron, Proc. Acad. Nat. Sci. Phil. 1886, 16.—Tex.
variabilis Aaron, Trans. Amer. Ent. Soc. xi, 38, 1883.—Pa., D. C., Va.

CERASTIPSOCUS.

Kolbe, Berl. Ent. Zeit. 1884, 38.

Cerastis Kolbe, Stett. Ent. Zeit. 1883, 65 (preoc).

gossypii Ashmead, Insect Life, vii, 29, 1894 (*Psocus*).—Ala.

- trifasciatus* Prov., Pet. Faun. Can. Néurop. 65, 1883 (*Psocus*).—E. S.
speciosus Aaron, Trans. Amer. Ent. Soc. xi, 40, 1883.
nigrofasciatus Kolbe, Stett. Ent. Zeit. 1883, 70; Enderlein, *ibid*, 1906, 318.
venosus Burm., Handb. ii, 778, 1839 (*Psocus*); Hag., Syn. Neur. N. A. 10, 1861.
 —U. S.
magnus Walk., B. M. Cat. Neur. 484, 1853.
microphthalmus Rambr., Néuropt. 321, 1842.
gregarius Harr., Ent. Corr. 329, 1869.

Order ARCHIPTERA Laporte.

Suborder PLECOPTERA Burmeister.

PERLIDÆ.

PTERONARCYS.

Newman, Ent. Mag. v, 175, 1838.

- Kollaria* Pictet, Perlides, 121, 1841.
biloba Newm., Ent. Mag. v, 176, 1838; Pict., Perlides, 135, 1841; Hagen, Syn. Neur. N. Am. 15, 1861; Proc. Bost. Soc. Nat. Hist. xv, 284, 1873.—N. S.
bicarinatus Prov., Pet. Faun. Can. Néurop. 69, 1883.
californica Newp., Trans. Linn. Soc. London, xx, 450, 1851; Hagen, Syn. Neur. N. A. 16, 1861; Proc. Bost. Soc. N. H. xv, 283, 1873.—N. S.
dorsata Say, West. Quart. Rept. 1823, 164 (*Perla*); LeConte Ed. i, 174, 1859; Hagen, Syn. Neur. N. Am. 20, 1861.—Pa.
nobilis Hagen, Syn. Neur. N. A. 15, 1861; Proc. Bost. Soc. N. H. xv, 285, 1873.—N. Y., Tenn.
pictetii Hag., Proc. Bost. Soc. Nat. Hist. xv, 286, 1873; Prov., Petite Faun. Canad. Néuropt. 70, 1883.—N. E. S.
proteus Newm., Ent. Mag. v, 177, 1838; Hagen, Syn. Neur. N. A., 14, 1861; Proc. Bost. Soc. N. H., xv, 281, 1873.—N. S.
rectus Prov., Pet. Faun. Can. Néurop. 68, 1883.—Can.
regalis Newm., Ent. Mag., v, 176, 1838; Pict., Perlides, 134, 1841; Hag., Neur. N. Am. 15, 1861; Proc. Bost. Soc. Nat. Hist. xv, 286, 1873.—N. S.
insignis Pict., Perlides, 123, 1841 (*Kollaria*).
flavicornis Prov., Pet. Faun. Can. Néurop. 70, 1883.—U. S.
spinosa Banks, Proc. Ent. Soc. Wash. viii, p. 8, 1906.—W. S.

PTERONARCELLA.

- Banks, Trans. Amer. Ent. Soc., xxvi, 242, 1900.
regularis Hag., Bull. Geol. Surv. Terr. 1875, 573 (*Pteronarcys*).—W. S.
badia Hag., Bull. Geol. Surv. Terr. 1875, 573 (*Pteronarcys*).—W. S.

PERLODES.

- Banks, Ent. News, 1903, 241.
Dictyopteryx Pict. 1841, nec Stephens, 1829.
irregularis Banks, Trans. Amer. Ent. Soc. xxvi, 243, 1900.—W. S.
signata Hag., Bull. Geol. Surv. Terr. 1875, 575.—W. S.

ACRONEURIA.

- Pictet, Perlides, 144, 1841.
abnormis Newm., Ent. Mag. v, 177, 1838 (*Perla*); Pictet, Perlides, 180, 1841; Hagen, Syn. Neur. N. Am. 17, 1861.—N. S.

- pennsylvanica* Rambr., Néuropt. 456, 1842.
internata Walk., B. M. Cat. 152, 1852.
trijuncta Walk., B. M. Cat. 153, 1852.
sonans Newp., Trans. Linn. Soc. Lond. xx, 447, 1851.
arenosa Pict., Perlides, 178, 1841 (*Perla*).—E. S.
arida Hag., Syn. Neur. N. A. 18, 1861; Prov., Petite Faun. Canad. Néuropt. 72, 1883.
hieroglyphica Prov., Pet. Faun. Can. Néurop. 72, 1883 (*Perla*).—Can.
navalis Prov., Pet. Faun. Can. Néurop. 73, 1883 (*Perla*).—Can.
nigrita Banks, Trans. Amer. Ent. Soc. xxx, p. 98, 1904.—W. S.
pacifica Banks, Trans. Amer. Ent. Soc. xxvi, 242, 1900.—W. S.
pumila Banks, Canad. Entom. 1906, 335.—Cal.
riparia Prov., Pet. Faun. Can. Néurop. 74, 1883 (*Perla*).—Can.
rupinsulensis Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 363 (*Perla*).—Ill.
quebecensis Prov., Pet. Faun. Can. Neur. 72, 1883.

ISOGENUS.

Newman, Ent. Mag. i, 415, 1833.

- Nephelion* Pictet, Perlides, 144, 1841.
clio Newm., Ann. Mag. Nat. Hist. iii, 1839, 86; Hagen, Neur. N. Am. 19, 1861; Hagen, Stett. Ent. Zeit. 1863, 371.—Ga.
colubrinus Hag., Bull. Geol. Surv. Terr. 1875, 576.—W. S.
drymo Newm., Ann. Mag. Nat. Hist. iii, 1839, 86; Hagen, Neur. N. Am. 19, 1861; Hagen, Stett. Ent. Zeit. 1863, 371.—Ga.
elongatus Hag., Bull. Geol. Surv. Terr. 1875, 576.—W. S.
frontalis Newm., Ent. Mag. v, 178, 1838; Pict., Perlides, 172, 1841 (*Nephelion*); Hag., Neur. N. Am. 18, 1861.—N. S.
bicaudata Kirby, Fauna. Bor. Am. 252, 1837 (nec Linn).
sulcata Prov., Pet. Faun. Can. Néurop. 74, 1883.—Can.

PERLA.

Geoffroy, Hist. Ins. ii, 229, 1764.

- americana* Banks, Trans. Amer. Ent. Soc. xxvi, 243, 1900.—E. S.
annulipes Hag., Syn. Neur. N. A. 22, 1861.—E. S.
attenuata Banks, Psyche, 1905, p. 55.—Kans.
californica Banks, Inverteb. Pacifica i, 87, 1905; Trans. Amer. Ent. Soc. xxxii, 3, 1905.—Cal.
captata Pict., Perlides, 214, 1841; Hagen, Syn. Neur. N. A. 22, 1861.—N. S.
carolinensis Banks, Bull. Amer. Mus. Nat. Hist. xxi, 215, 1905; Trans. Amer. Ent. Soc. xxxii, 3, 1905.—N. Car.
couloni Pict., Perlides, 212, 1841; Hag., Syn. Neur. N. Am. 20, 1861.—E. S.
decipiens Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 364.—E. S.
ephyre Newm., Ann. Mag. Nat. Hist. iii, 1839, 87; Pict., Perlides, 283, 1841; Hag., Neur. N. Am. 28, 1861.—E. S.
flavescens Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 363.—E. S.
marginipes Prov., Pet. Faun. Can. Néurop. 73, 1883.
fumosa Banks, Can. Entom. 1902, 123.—D. C.
immarginata Say, West. Quart. Rept. 1823, 164; LeConte Ed. i, 174, 1859; Hagen, Syn. Neur. N. Am. 20, 1861.—Ohio.

- kansensis* Banks, Psyche, 1905, p. 56.—Kans.
luctuosa Banks, Canad. Entom. 1906, 336.—Cal.
lurida Hag., Syn. Neur. N. A. 21, 1861.—La.
lycorias Newm., Ann. Mag. Nat. Hist. iii, 1839, 85; Hag., Neur. N. Am. 21, 1861.—N. Y.
media Walk., B. M. Cat. Neur. 145, 1852; Hagen, Syn. Neur. N. A. 24, 1861.—Can.
naica Prov., Pet. Faun. Can. Néurop. 75, 1883.—Can.
olivacea Walk., B. M. Cat. Neur. 144, 1852; Hagen, Syn. Neur. N. A. 23, 1861.—Can.
picta Pict., Perlides, 261, 1841; Hagen, Syn. Neur. N. A. 27, 1861.—N. Am.
postica Walk., B. M. Cat. Neur. 144, 1852; Hagen, Syn. Neur. N. A. 23, 1861.—E. S.
sabulosa Banks, Trans. Amer. Ent. Soc. xxvi, 242, 1900.—Wash.
similis Hag., Syn. Neur. N. A. 26, 1861.—E. S.
sobria Hag., Bull. Geol. Surv. Terr. 1875, 577.—Colo.
tristis Hag., Syn. Neur. N. A. 22, 1861.—E. S.
valida Banks, Trans. Amer. Ent. Soc. xxxii, p. 4, 1905.—N. Car.
varians Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 364.—E. S.
xanthenes Newm., Ent. Mag. v, 178, 1838; Pictet, Perlides, 245, 1841; Hagen, Syn. Neur. N. A. 26, 1861.—E. S.

PELTOPERLA.

- Needham, Proc. Biol. Soc. Wash. xviii, p. 107, 1905.
arcuata Needh., Proc. Biol. Soc. Wash. xviii, p. 108, 1905.—E. S.

PERLINELLA.

- Banks, Trans. Amer. Ent. Soc. xxvi, 242, 1900.
elongata Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 366.—Ill.
trivittata Banks, Trans. Am. Ent. Soc. xxii, 313, 1895.—N. S.

PERLESTA.

- Banks, Can. Entom. 1906, 222.
cinctipes Banks, Psyche, 1905, p. 56 (*Perlinella*).—Kans.
placida Hag., Syn. Neur. N. A. 28, 1861 (*Perla*).—E. S.
virginica Banks, Trans. Amer. Ent. Soc. xxv, 199, 1898.—Va., W. Va.

PARAPERLA.

- Banks, Can. Entom. 1906, 222.
frontalis Banks, Can. Entom. 1902, 123 (*Perlinella*).—N. Mex.

ATOPERLA.

- Banks, Psyche, 1905, p. 56.
producta Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 365 (*Perla*).—Ill.

NEOPERLA.

- Needham, Proc. Biol. Soc. Wash. xviii, p. 108, 1905.
Pseudoperla Banks, Trans. Amer. Ent. Soc. xix, p. 332, 1892 (preoc.).
clymene Newm., Ann. Mag. Nat. Hist. iii, 1839, 87; Pict., Perlides, 283, 1841; Hag., Neur. N. Am. 29, 1861; Hagen, Stett. Ent. Zeit. 1863, 371.—Ga.
fumipennis Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 366 (*Perla*).—Ill.
occipitalis Pict., Perlides, 254, 1841; Hag., Neur. N. Am., 27, 1861.—U. S.

ISOPERLA.

Banks, Ent. News, 1906, 175.

Chloroperla Auct. (in part), (not Newm.).

- bilineata* Say, West. Quart. Rept. 1823, 165 (*Sialis*); LeConte Ed. i, 175, 1859; Hag., Neur. N. Am. 30, 1861; Prov., Petite Faun. Canad. Néuropt. 74, 1883.—Cent. St.
- brunneipennis* Walsh, Proc. Ac. Nat. Sci. Phila. 1862, 367 (*Perla*).—Ill.
- decisa* Walk., B. M. Cat. Neur. 170, 1852 (*Perla*); Hagen, Syn. Neur. N. A. 30, 1861.—Can.
- decolorata* Walk., B. M. Cat. Neur. 170, 1852 (*Perla*); Hagen, Syn. Neur. N. A. 29, 1861.—B. Am.
- ebria* Hag., Bull. Geol. Surv. Terr. 1875, 577 (*Perla*).—Colo.
- guerini* Pict., Perlides, 279, 1841; Hag., Neur. N. Am. 29, 1861.—La.
- longisetata* Banks, Can. Ent. 1906, 337.—Kans.
- montana* Banks, Trans. Am. Ent. Soc. xxv, 199, 1898 (*Chloroperla*).—N. S.
- 5-punctata* Banks, Can. Ent. 1902, 124 (*Chloroperla*).—N. Mex.
- signata* Banks, Can. Ent. 1902, 124 (*Perlinella*).—Mich.
- sordida* Banks, Can. Ent. 1906, 337 (*Perla*).—Cal.
- transmarina* Newm., Ent. Mag. v, 499, 1838; Ann. Mag. Nat. Hist. iii, 87, 1839; Pictet, Perlides, 283, 1841.—E. S.
- picta* Walk., B. M. Cat. Neur. 161, 1852 (nec. Pictet).

ALLOPERLA.

Banks, Ent. News, 1906, 175.

Chloroperla Auct. (in part), (not Newm.).

- borealls* Banks, Trans. Am. Ent. Soc. xxii, 313, 1895 (*Chloroperla*).—W. S.
- brevis* Banks, Trans. Am. Ent. Soc. xxii, 314, 1895 (*Chloroperla*).—Can.
- citrinella* Newp., Trans. Linn. Soc. London, xx, 540, 1851 (*Perla*); Hagen, Syn. Neur. N. A. 31, 1861.—Can.
- coloradensis* Banks, Trans. Am. Ent. Soc. xxv, 199, 1898 (*Chloroperla*).—Colo.
- imbecilla* Say, West. Quart. Rept. 1823, 165 (*Sialis*); LeConte Ed. i, 175, 1859; Hag., Neur. N. A. 31, 1861.—U. S.
- maculata* Pict., Perlides, 280, 1841, Hagen, Syn. Neur. N. A. 29, 1861.—Pa.
- marginata* Banks, Trans. Am. Ent. Soc. xxiv, 21, 1897 (*Chloroperla*).—N. Y.
- minuta* Banks, Trans. Am. Ent. Soc. xxvi, 244, 1900 (*Chloroperla*).—Ohio.
- nana* Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 367; Prov., Petite Faun. Canad. Néuropt. 77, 1883 (*Isopteryx*).—Ill., Can.
- pacifica* Banks, Trans. Am. Ent. Soc. xxii, 313, 1895 (*Chloroperla*).—Wash.
- pallidula* Banks, Trans. Am. Ent. Soc. xxx, 99, 1904.—N. Mex.
- severa* Hag. Syn. Neur. N. A. 30, 1861; Prov., Petite Faun. Can. Néuropt. 75, 1883 (*Perla*).—Alaska, Can.
- signata* Banks, Trans. Am. Ent. Soc. xxii, 314, 1895 (*Chloroperla*).—W. S.

CHLOROPERLA.

Newman, Ent. Mag. iii, 500, 1836.

Isopteryx Pictet, Perlides, 1841, 301.

- cydippe* Newm., Ann. Mag. Nat. Hist. iii, 1839, 88; Pict., Perlides, 317, 1841; Hag., Neur. N. A. 31, 1861.—E. S.

TENIOPTERYX.

Pictet, Perlides, 345, 1841.

frigida Hag., Syn. Neur. N. A. 35, 1861.—Md.(?) *nivalis* Fitch, Wint. Ins. N. Y. 274, 1847.*glacialis* Newp., Trans. Linu. Soc. London, xx, 451, 1851 (*Brachyptera*); Hagen Syn. Neur. N. A. 36, 1861.—Can.*maura* Walk., B. M. Cat. Neur. 179, 1852 (nec Pictet). ♀.*maura* Pict., Perlides, 361, 1841; Hag., Syn. Neur. N. A. 35, 1861.—E. S.*chicoutimiensis* Prov., Pet. Faun. Can. Néur. 75, 1883.*occidentalis* Banks, Trans. Am. Ent. Soc. xxvi, 244, 1900.—Wash.*pacifica* Banks, Trans. Am. Ent. Soc. xxvi, 244, 1900.—Wash.**TENIONEMA.**

Banks, Psyche, 1905, p. 56.

analis Banks, Psyche, 1905, p. 57.—N. Mex., Colo.**RHABDIOPTERYX.**

Klapálek, Termes. Füzetek, xxv, 179, 1902.

fasciata Burm., Handb. II, 875, 1839 (*Semblis*); Pictet, Perlides, 359, 1841; Hagen, Syn. Neur. N. A. 34, 1861.**PERLOMYIA.**

Banks, Canad. Ent. 1906, 338.

collaris Banks, Can. Ent. 1906, 338.—B. Col.**NEMOURA.**

Latreille, Précis, 101, 1796.

albidipennis Walk., B. M. Cat. Neur. 191, 1852; Hagen, Syn. Neur. N. A. 36, 1861; Prov., Petite Faun. Can. Néur. 79, 1883.—N. S.*cinctipes* Banks, Trans. Am. Ent. Soc. xxiv, 21, 1897.—Wash.*coloradensis* Banks, Trans. Am. Ent. Soc. xxiv, 21, 1897.—Colo.*completa* Walk., B. M. Cat. Neur. 191, 1852. Hagen, Syn. Neur. N. A. 36, 1861.—N. S.*depressa* Banks, Trans. Am. Ent. Soc. xxv, 200, 1898.—Oreg.*incerta* Prov., Pet. Faun. Can. Néur. 217, 1883.—Can.*completa* Prov., *ibid.* 79 (nec Walk.).*pallida* Banks, Can. Ent. 1902, 125.—Colo.*perfecta* Walk., B. M. Cat. Neur. 191, 1852; Hagen, Syn. Neur. N. A. 37, 1861.—E. S.*nigritta* Prov., Pet. Faun. Can. Neur. 79, 1883.*similis* Hag., Syn. Neur. N. A. 34, 1861 (*Teniopteryx*).—D. C.*stigmata* Banks, Trans. Amer. Ent. Soc., xxvi, 244, 1900.—B. Am.*venosa* Banks, Trans. Am. Ent. Soc. xxiv, 21, 1891.—E. S.**LEUCTRA.**

Stephens, Ill. Mand. vi, 145, 1836.

brunnea Prov., Pet. Faun. Can. Neur. 80, 1883 (nec Pictet, 1841). Probably a synonym.—Can.

ferruginea Walk., B. M. Cat. Neur. 183, 1852 (*Nemoura*); Hagen, Syn. Neur. N. A., 37, 1861.—N. S.

grandis Banks, Can. Ent. 1906, 338.—N. Car.

tenella Prov., Pet. Faun. Can. Neur. 80, 1883.—Can.

tenuis Pictet, Perlides, 375, 1841 (*Nemoura*); Hagen, Syn. Neur. N. A. 37, 1861.—N. S.

CAPNIA.

Pictet, Perlides, 320, 1841.

minima Newp., Trans. Linn. Soc. Lond. xx, 450, 1851 (*Perla*); Hag., Neur. N. Am. 33, 1861; Prov., Petite Faun. Can. Neur. 76, 1883.—N. S.

necydaloides Pict., Perlides, 326, 1841; Hagen, Neur. N. Am. 32, 1861; Prov. Petite Faun. Can. Neur. 76, 1883.—E. S.

pygmæa Burm., Handb. II, 874, 1839 (*Semblis*); Pict., Perlides, 324, 1841. Hag., Neur. N. A. 32, 1861.—N. S.

nivicola Fitch, Wint. Ins. N. Y. 274, 1847.

vernalis Newp., Trans. Linn. Soc. Lond. xx, 451, 1851; Hag., Neur. N. A. 33, 1861.—Can.

tenuis Walk., B. M. Cat. 182, 1851 (nec Pict.).

CAPNURA.

Banks, Trans. Am. Ent. Soc. xxvi, 245, 1900.

venosa Banks, Trans. Am. Ent. Soc. xxvi, 245, 1900.—Wash.

ARSAPNIA.

Banks, Trans. Amer. Ent. Soc. xxiv, 22, 1897.

decepta Banks, Trans. Amer. Ent. Soc. xxiv, 22, 1897.—Colo.

Suborder ANISOPTERA Laporte.

EPHEMERIDÆ.

CAMPSURUS.

Eaton, Ent. Mo. Mag. v, 83, 1868.

decoloratus Hagen, Syn. Neur. N. A. 43, 1861. Eaton, Riv. Monog. 41, 1883.—Texas.

POLYMITARCYS.

Eaton, Ent. Mo. Mag. v, 84, 1868.

albus Say, West. Quart. Rept. ii, 305, 1824. LeConte Edit. i, 204, 1859. Hag., Syn. Neur. N. A. 40, 1861. Eaton, Riv. Monog. 47, 1883. Howard, Bull. No. 86, N. Y. State Mus. 60, 1905.—U. S.

leukon Williamson, Trans. Amer. Philos. Soc. Phil. v, 71, 1802 (*Ephoron*).

puella Pict., Hist. Nat. Néuropt. II, 145, 1845.

HEXAGENIA.

Walsh, Proc. Ent. Soc. Phil. II, 197, 1863.

bilineata Say, West. Quart. Rept. ii, 303, 1824 (*Bætis*). LeConte Edit. i, 203, 1859. Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 373. Eaton, Riv. Monog. 50, 1883.—U. S.

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- viridescens* Walk., B. M. Cat. 550, 1853.
occulta Walk., *ibid.*, 551.
angulata Walk., *ibid.*, 564.
limbata Pict., Hist. Nat. Neuropt. II, 146, 1845. Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 373.—U. S.
bilineata Hagen, Syn. Neur. N. A. 41, 1861 (not Say).
variabilis Eaton, Riv. Monog. 55, 1883. Needham, Bull. No. 47, N. Y. State Mus. 427, 1901.
munda Eaton, Riv. Monog. 53, 1883.—N. Car.
venusta Eaton, Riv. Monog. 54, 1883.—Tex., Ut.

EPHEMERA.

Linn. Syst. Nat. x, 546, 1758.

- compar* Hagen, Ann. Rept. U. S. Geol. Surv. Terr. iii, Zool. 578, 1875. Eaton, Riv. Monog. 65, 1883.—Colo.
decora Walk., B. M. Cat. Neur. 537, 1853. Hagen, Syn. Neur. N. A. 38, 1861. Ann. Rept. U. S. Geol. Surv. Terr. iii, Zool. 578, 1875.—E. S.
varia Eaton, Riv. Monog. 69, 1883. Needham, Bull. No. 47, N. Y. State Mus. 429, 1901.
guttulata Pictet, Hist. Nat. Neur. ii, 135, 1845. Hag., Ann. Rept. U. S. Geol. Surv. Terr. iii, Zool. 579, 1875. Eaton, Riv. Monog. 66, 1883.—N. S.
myops Walsh, Proc. Ent. Soc. Phil. ii, 207, 1863. Eaton, Riv. Monog. 72, 1883.—Ill., Ohio.
simulans Walk., B. M. Cat. Neur. 536, 1853. Hagen, Syn. Neur. N. Am. 38, 1861. Eaton, Riv. Monog. 67, 1883.—E. S.
natata Walk., B. M. Cat. 551, 1853. Hagen, Ann. Rept. Geol. Surv. Terr. iii, Zool. 580, 1875.

POTAMANTHUS.

Pictet, Hist. Nat. Neuropt. Ephem. 197, 1845.

- flaveola* Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 377. Eaton, Riv. Monog. 71, 1883.—Ill., Ohio.

PENTAGENIA.

Walsh, Proc. Ent. Soc. Phil. ii, 197, 1863.

- quadripunctata* Walsh, Proc. Ent. Soc. Phil. ii, 198, 1863. Eaton, Riv. Monog. 77, 1883.—Ill., La., Kans.
vittigera Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 373. Eaton, Riv. Monog. 76, 1883.—Ill., Tex.

LEPTOPHLEBIA.

Westwood, Introd. Class. Ins. II, 31, 1840.

- Blasturus* Eaton, Ent. Mo. Mag. xvii, 193, 1881.
cupida Say, West. Quart. Rept. ii, 163, 1823 (*Ephemera*). LeConte Edit. i, 172, 1859. Walsh, Proc. Acad. Nat. Sci. Phila. 1862, 372. Eaton, Riv. Monog. 101, 1884. Berry, Amer. Nat. 1903, 27.—E. S.
concinna Walk., B. M. Cat. 553, 1853. Hagen, Syn. Neur. N. A. 51, 1861.
pallipes Walk., *ibid.*, 553, 1853.
hebes Walk., *ibid.*, 538, 1853.
ignava Hagen, Syn. Neur. N. A. 47, 1861.

- debilis* Walk., B. M. Cat. Neur. 569, 1853. Hagen, Syn. Neur. N. A. 46, 1861.
Eaton, Riv. Monog. 98, 1884.—Nova Scotia.
- gravastellus* Eaton, Riv. Monog. 102, 1884.—Mont.
- gregalis* Eaton, Riv. Monog. 98, 1884.—Oreg.
- mollis* Eaton, Trans. Ent. Soc. Lond. 1871, 88. Riv. Monog. 97, 1884.—N. S.
- nebulosus* Walk., B. M. Cat. Neur. 554, 1853. Hagen, Syn. Neur. N. A. 52, 1861. Eaton, Riv. Monog. 103, 1884.—E. S.
odonatus Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 372.
- pallipes* Hagen, Ann. Rept. U. S. Geol. Surv. Terr. III, Zool. 582, 1875.—Colo.
memorialis Eaton, Riv. Monog. 98, 1884.
- præpedita* Eaton, Riv. Monog. 99, 1884. Needham, Bull. No. 86, N. Y. State Mus. 49, 1905.—Mass.
- rufivenosa* Eaton, Riv. Monog. 99, 1884.—Oreg., Cal.
- vaciva* Eaton, Riv. Monog. 97, 1884.—Oreg.

CHOROTERPES.

Eaton, Ent. Mo. Mag. xvii, 194, 1881.

- basalis* Banks, Trans. Amer. Ent. Soc. xxvi, p. 248, 1900. Needham, Bull. No. 86, N. Y. State Mus. 38, 1905.—N. S.
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HABROPHLEBIA.

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- americana* Banks, Ent. News, 1903, p. 235.—N. Jersey.

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Walsh, Proc. Acad. Nat. Sci. Phila. 1862, 377.

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- consimilis* Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 378. Eaton, Riv. Monog. 130, 1884.—Ill.
- excrucians* Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 377. Eaton, Riv. Monog. 130, 1884. Needham, Bull. No. 47, N. Y. State Mus. 425, 1901.—E. S.
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walkeri Eaton, Riv. Monog. 129, 1884.
- grandis* Eaton, Riv. Monog. 128, 1884.—Colo.
- inermis* Eaton, Riv. Monog. 127, 1884.—Colo.
- invaria* Walk., B. M. Cat. Neur. 568, 1853. Hagen, Syn. Neur. N. A. 48, 1861.
Eaton, Riv. Monog. 129, 1884.—Can.
- unicornis* Needham, Bull. No. 86, N. Y. State Mus. 45, 1905.—Ind.

CÆNIS.

Stephens, Ill. Brit. Ent. Mand. vi, 61, 1835.

- Brachycercus* Curtis, Lond. and Edinb. Phil. Mag. (3), 1834, 122 (preoc.).
Ozycephala Burmeister, Handb. II, 796, 1839.

- allecta* Needham, Bull. No. 86, N. Y. State Mus. 47, 1905.—N. Y.
- diminuta* Walk., B. M. Cat. Neur. 584, 1853. Hagen, Syn. Neur. N. Am. 55, 1861. Eaton, Riv. Monog. 147, 1884. Needham, Bull. No. 47, N. Y. State Mus., 426, 1901.—E. S.
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hilaris Say, Journ. Acad. Nat. Sci. Phil. viii, 43, 1839. LeConte Edit. II, 413, 1859. Hagen, Syn. Neur. N. Am. 54, 1861. Eaton, Riv. Monog. 147, 1883.—E. S.

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Leach, Edinb. Encycl. ix, 137, 1815.

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posticatus Say, West. Quart. Rept. ii, 162, 1823. LeConte Edit. I, 172, 1859. Hag., Syn. Neur. N. A. 53, 1861. Eaton, Riv. Monog. 169, 1885.—Ind.

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pygmæa Hag., Syn. Neur. N. A. 54, 1861. Eaton, Riv. Monog. 170, 1885. Needham, Bull. No. 47, N. Y. State Mus. 421, 1901.—Can.

rubescens Prov., Pet. Faun. Canad. ii, Neur. 84, 1883 (*Cloe*). Eaton, Riv. Monog. 169, 1885.—Can.

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hageni Eaton, Riv. Monog. 169, 1885.

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Eaton, Ent. Mo. Mag. vi, 132, 1869.

luteolum Müll., Zool. Dan. Prodr. 143, 1776. Eaton, Riv. Monog. 175, 1885.—B. Am.

translucida Pictet, Hist. Nat. Neur. ii, 255, 1845.

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Leach, Edinb. Encycl. ix, 137, 1815.

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mendax Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 381. Eaton, Riv. Monog. 190, 1885.—E. S.

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californicus Banks, Trans. Amer. Ent. Soc. xxvi, 249, 1900.—Cal.

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fluctuans Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 379. Banks, Trans. Amer. Ent. Soc. xxvi, 249, 1900.—E. S.
pallidus Banks, Trans. Amer. Ent. Soc. xxvi, 251, 1900.—Colo., Kans.
skokiana Needham, Bull. No. 68, N. Y. State Mus. p. 215, 1903.—N. Y.
tessellata Hagen, Syn. Neur. N. A. 50, 1861. Banks, Trans. Amer. Ent. Soc. xxvi, 250, 1900.—U. S.
undatus Pictet, Hist. Nat. Néuropt. ii, 264, 1845 (*Cloe*). Hag., Syn. Neur. N. A. 53, 1861. Banks, Trans. Amer. Ent. Soc. xxvi, 249, 1900.—S. S.
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Siphonurus Eaton, Trans. Ent. Soc. Lond. 1871, 125.

Chirotonetes Eaton, Ent. Mo. Mag. xviii, 23, 1881.

Ameletus Eaton, Riv. Monog. Ephem. 210, 1885.

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alternans Prov., Faun. Ent. Canad. ii, 82, 1883.
aridus Say, Journ. Acad. Nat. Sci. Phil. viii, 42, 1839. LeConte Ed. ii, 412, 1859.
 Hagen, Syn. Neur. N. A. 46, 1861. Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 370. Eaton, Riv. Monog. 206, 1885.—E. S.
bicolor Walk., B. M. Cat. Neur. 552, 1853. Hagen, Syn. Neur. N. A. 43, 1861.
 Eaton, Riv. Monog. 221, 1885.—Can.
dispositus Eaton, Riv. Monog. 210, 1885.—Calif.
manca Eaton, Trans. Ent. Soc. Lond. 1871, 134 (♂, not ♀).
exquisitus Eaton, Riv. Monog. 212, 1885.—Wash., Oreg.
femoratus Say, West. Quart. Rept. ii, 162, 1823. LeConte Ed. i, 171, 1859. Hag. Syn. Neur. N. A. 48, 1861. Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 368. Eaton, Riv. Monog. 220, 1885.—E. S.
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mancus Eaton, Trans. Ent. Soc. Lond. 1871, 134. Riv. Monog. 206, 1885.—Tex., Mont.
mirus Eaton, Riv. Monog. 221, 1885.—N. H.
occidentalis Eaton, Riv. Monog. 218, 1885.—W. S.
brunnea Hagen, Ann. Rept. U. S. Geol. Surv. Terr. iii, Zool. 581, 1875 (♀, not ♂).
quebecensis Prov., Natur. Canad. viii, 267, 1876 (*Bætis*); Faun. Ent. Canad. ii, 83, 1883. Eaton, Riv. Monog. 297, 1887.—Can.
siccus Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 371. Eaton, Riv. Monog. 208, 1885.—E. S.
albomanicatus Needham, Bull. 86, N. Y. State Mus. 31, 1905.—E. S.
subnotatus Eaton, Riv. Monog. 211, 1885.—Colo.
typicus Eaton, Riv. Monog. 222, 1885.—Mass.

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Iron Eaton, Riv. Mon. Ephem. 244, 1885.
Cinygma Eaton, Riv. Monog. Ephem. 247, 1885.
- basalis* Walk., B. M. Cat. Neur. 565, 1853 (*Bætis*). Hagen, Syn. Neur. N. A. 50, 1861. Eaton, Riv. Monog. 298, 1887.—Can.
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hageni Eaton, Riv. Monog. 253, 1885.
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jejuna Eaton, Riv. Monog. 252, 1885.
- geminatum* Eaton, Riv. Monog. 250, 1885.—Colo.
- integrum* Eaton, Riv. Monog. 248, 1885.—Oreg., Wash.
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- debilis* Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 371 (not Walker).—Ill.
- mimus* Eaton, Riv. Monog. 250, 1885.—Colo.
- nitidus* Eaton, Riv. Monog. 246, 1885.—Oreg., Cal.
- par* Eaton, Riv. Monog. 248, 1885.—Ariz.

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- vicaria* Walk., B. M. Cat. Neur. 565, 1853. Hagen, Syn. Neur. N. A. 48, 1861. Eaton, Riv. Monog. 280, 1885.—E. S.
- tessellata* Walk., B. M. Cat. 566, 1853.
- publica* Hagen, Syn. Neur. N. A. 39, 1861 (*Ephemer*).
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Suborder MEGALOPTERA Macleay.

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- cognata* Hagen, Syn. Neur. N. A. 193, 1861. Davis, Bull. No. 68, N. Y. State Mus. 479, 1903.—S. W. S.
- cornuta* Linn., Syst. Nat. x, 551, 1758 (*Hemerobius*). Hald., Journ. Acad. Bost. 1848, 158. Hagen, Syn. Neur. N. A. 192, 1861. Davis, Bull. No. 68, N. Y. State Mus. 478, 1903.—E. S.
- crassicornis* McLach., J., Linn. Soc. Lond. Zool. ix, 233, 1868. Davis, Bull. No. 68, N. Y. State Mus. 479, 1903.—Tex.
- inamabilis* McLach., J., Linn. Soc. Lond. Zool. ix, 235, 1868. Davis, Bull. No. 68, N. Y. State Mus. 477, 1903.—Tex.
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Neuromus Rambur, Hist. Nat. Néuropt. 441, 1842.

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- concolor* Davis, *ibid*.
- californicus* Walk., B. M. Cat. Neur. 199, 1853. Hagen, Syn. Neur. N. A. 190, 1861. Davis, Bull. No. 68, N. Y. State Mus. 464, 1903.—W. S.
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- disjunctus* Walk., Lord's Naturalist in Vancouver Island, ii, 334, 1868. Davis, Bull. No. 68, N. Y. State Mus. 463, 1903.—B. Col.
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- serricornis* Hagen, Syn. Neur. N. A. 190, 1861 (nec Say).
- lunatus* Hagen, Proc. Ent. Soc. Phil. ii, 180, 1863.
- filicornis* Banks, Proc. Ent. Soc. Wash. v, 238, 1903.—Ariz.
- minimus* Davis, Bull. No. 68, N. Y. State Mus. 463, 1903.—Cal.
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- virginiensis* Drury, Ill. Nat. Hist. ii, appendix, 1773.
- rastricornis* Ramb., Néuropt. 444, 1842. Hagen, Syn. Neur. N. A. 189, 1861. Davis, Bull. No. 68, N. Y. State Mus. 460, 1903.—E. S.
- indecisus* Walk., B. M. Cat. Neur. 204, 1853.
- serricornis* Say, Long's Exped. ii, 307, 1823. Davis, Bull. No. 68, N. Y. State Mus. 459, 1903.—E. S.
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Latreille, Hist. Nat. Crust. Ins. ii, 290, 1802.

- americana* Ramb., Néuropt. 447, 1842 (*Sembris*). Hagen, Syn. Neur. N. A. 188, 1861. Davis, Bull. No. 68, N. Y. State Mus. 450, 1903.—Pa., Ohio, Ga.
- ferrugineus* Walk., B. M. Cat. Neur. 195, 1853.
- concava* Bks., Trans. Amer. Ent. Soc. xxiv, 22, 1897.—N. Y.
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Linné, Syst. Nat. Ed. x, 552, 1758.

- adnixa* Hag., Syn. Neur. N. A. 195, 1861. Albarda, Tijd. voor. Entom. xxxiv, 146, 1891.—N. W. S.
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- bicolor* Albarda, Tijd. voor. Entom. xxxiv, 152, 1891.—Colo.
- minuta* Banks, Proc. Ent. Soc. Wash. v, 239, 1903.—Ariz., N. Mex.
- oblita* Hagen, Syn. Neur. N. A. 195, 1861. Albarda, Tijd. voor. Entom. xxxiv, 149, 1891.—W. S.
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- pictus* Banks, Can. Ent. 1904, 62; Trans. Amer. Ent. Soc. xxxii, 41, 1906.—Colo.
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Rambur, Hist. nat. Neuropt. 418, 1842.

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- mœstus* Banks, Trans. Amer. Ent. Soc. xxii, 314, 1895; *ibid.*, xxxii, 43, 1906.—N. Mex., Ariz.

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Hagen, Stett. Ent. Zeit. 1866, 376.

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Rambur, Hist. nat. Neuropt. 416, 1842.

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- subanticus* Walk., B. M. Cat. Neur. 282, 1853 (*Hemerobius*). Banks, Trans. Am. Ent. Soc. xxxii, 46, 1906.—S. S.
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- longicollis* Walk., B. M. Cat. Neur. 281, 1853. Hagen, Syn. Neur. N. Am. 200, 1861.—Ga.
- obliteratus* Walk., B. M. Cat. Neur. 288, 1853. Hagen, Syn. Neur. N. A. 205, 1861.—Ga.

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NOTHOCHRYSA.

McLachlan, Trans. Ent. Soc. Lond. 1868, 195.

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- arizonica* Banks, Psyche, 1906, 98.—Ariz.
- parvula* Banks, Trans. Amer. Ent. Soc. xxix, 143, 1903.—S. S.
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- phantasma* MacGill., Can. Ent. 1894, 170.

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McLachlan, Trans. Ent. Soc. Lond. 1868, 208.

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- xanthocephala* Fitch, 1st Rept. Ins. N. Y. 85, 1856.
- bipunctata* Fitch, *ibid.*, 87.
- transmarina* Hagen, Syn. Neur. N. A. 213, 1861.
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- explorata* Hagen, Syn. Neur. N. A. 217, 1861. Banks, Trans. Amer. Ent. Soc. xxix, 151, 1903.—Ariz.
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- marginalis* Banks, Trans. Amer. Ent. Soc. xxxii, 5, 1905 (not of Navas).
- interrupta* Schneid., Monog. Chrys. 76, 1851. Hagen, Syn. Neur. N. Am. 220, 1861. Banks, Trans. Amer. Ent. Soc. xxix, 152, 1903.—N. E. S.
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- lateralis* Guérin, Iconog. Reg. Anim. Ins. 388, 1845 (*Hemerobius*). Banks, Trans. Amer. Ent. Soc. xxix, 150, 1903.—S. S.
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- ? *ampla* Walk., B. M. Cat. Neur. 268, 1853.
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- illepida* Fitch, 1st Rept. Ins. N. Y. 84, 1856.
- omikron* Fitch, *ibid.*, 85.
- fulvibucca* Fitch, *ibid.*, 86.
- mississippiensis* Fitch, *ibid.*
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- sulphurea* Fitch, *ibid.*
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- attenuata* Walk., *ibid.*, 242.
- novseboracensis* Fitch, 1st Rept. Ins. N. Y. 90, 1856.
- citri* Ashm., Orange Insects, 13, 1880.
- sabulosa* Banks, Proc. Ent. Soc. Wash. iv, 174, 1898; Trans. Amer. Ent. Soc. xxix, 151, 1903.—W. S.
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- ypsilon* Fitch, 1st Rept. Ins. N. Y. 87, 1856. Hagen, Syn. Neur. N. A. 213, 1861. Banks, Trans. Amer. Ent. Soc. xxix, 148, 1903.—N. S.

MELEOMA.

Fitch, 1st Rept. Ins. N. Y. 81, 1856.

- innovata* Hag., Syn. Neur. N. Am. 222, 1861 (*Chrysopa*). Banks, Trans. Amer. Ent. Soc. xxix, 158, 1903.—S. W. S.
- mexicana* Banks, Trans. Amer. Ent. Soc. xxv, 201, 1899.
- signoretii* Fitch, 1st Rept. Ins. N. Y. 82, 1856. Hagen, Syn. Neur. N. Am. 210, 1861. Banks, Trans. Amer. Ent. Soc. xxix, 157, 1903.—E. S.
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- fraterna* Banks, Proc. Ent. Soc. Wash. iv, 174, 1898; Trans. Amer. Ent. Soc. xxix, 159, 1903.—W. S.
- hageni* Banks, Trans. Amer. Ent. Soc. xxix, 158, 1903.—W. S.
- punctinervis* McLach., Ent. Mo. Mag. vi, 24, 1869. Banks, Trans. Amer. Ent. Soc. xxix, 159, 1903.—S. S.

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Rambur, Neuropt. 378, 1842.

americana Drury, Ill. Exot. Ins. i, 111, 1773 (*Myrmeleon*). Hagen, Syn. Neur. N. Am. 223, 1861; Can. Entom. 1887, 134; Taschenbg. Zeitschr. ges. Naturwiss. lii, 186, 1879.—S. Atl. S.

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PARANTHACLISIS.

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Linné, Syst. Nat. xii, 913, 1767.

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rusticus Hag., Syn. Neur. N. A. 233, 1861; Can. Ent. 1888, 196.

distans Banks, Trans. Amer. Ent. Soc. xxv, 206, 1899.—Cal.

diversus Hag., Geol. Surv. Terr. 1872, 729.—Wy.

- exitialis* Walk., B. M. Cat. Neur. 376, 1853. Hagen, Syn. Neur. N. A. 229, 1861.
—Cal.
- immaculatus* DeGeer, Mém. Hist. Ins. iii, 564, 1773. Hagen, Syn. Neur. N. A. 231, 1861; Can. Ent. 1888, 188.—U. S.
- melanocephalum* Oliv., Encycl. Meth. viii, 127, 1811.
- occidentalis* Currie, Proc. Ent. Soc. Wash. v, 274, 1903 (var.).
- mobilis* Hag., Can. Ent. 1888, 190.—S. S.
- immaculatus* Burm., Hand., ii, 994, 1839 (nec DeGeer).
- tectus* Walk., B. M. Cat. Neur. 378, 1853. Hagen, Syn. Neur. N. A. 232, 1861.
—Fla., N. Car.
- texanum* Banks, Ent. News, 1900, 596.—Tex.

PSAMMOLEON.

Banks, Can. Ent. 1899, 69.

- guttipes* Banks, Psyche, 1906, 99.—S. S.
- ingeniosus* Hag., Syn. Neur. N. A. 236, 1861 (not of Walker).
- sinuatus* Currie, Proc. Ent. Soc. Wash. v, 275, 1903 (as var.).
- inscriptus* Hag., Syn. Neur. N. A. 230, 1861 (*Myrmeleon*). Banks, Trans. Amer. Ent. Soc. xxx, 106, 1904.—N. Mex.

GLENURUS.

Hag., Stett. Ent. Zeit. 1866, 372.

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- roseipennis* Burm., Handb. ii, 995, 1839.
- snowii* Banks, Ent. News, 1907, 100.—Ariz.

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—U. S.
- ocellatus* Burm., Handb. ii, 995, 1839.
- nigrocinctus* Rambr., Hist. nat. Neuropt. 398, 1842.—U. S.
- pumillis* Burm., Handb. ii, 995, 1839 (*Myrmeleon*). Taschenbg., Zeitschr. ges. Naturwiss. iii, 212, 1879. Banks, Journ. N. Y. Ent. Soc. 1903, 240.
—S. S.
- speciosum* Banks, Trans. Amer. Ent. Soc. xxxii, 7, 1906.—Colo.

EREMOLEON.

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- macer* Hagen, Syn. Neur. N. A. 236, 1861.—Ariz.

BRACHYNEMURUS.

Hagen, Can. Ent. 1888, 34.

- abdominalis* Say, West. Quart. Rept. ii, 163, 1823 (*Myrmeleon*). Edit. LeConte, i, 173, 1859. Hagen, Can. Ent. 1888, 57.—U. S.
- juvencus* Hagen, Syn. Neur. N. A. 234, 1861.
- salvus* Hagen, *ibid.*, 227.

- assimilis* Banks, Proc. Ent. Soc. Wash. v, 174, 1903.—W. S.
barberi Currie, Proc. Ent. Soc. Wash. v, 282, 1903.—Ariz.
blandus Hagen, Syn. Neur. N. A. 235, 1861 (*Myrmeleon*); Can. Entom. 1888, 73.
 —W. S.
brunneus Currie, Can. Ent. 1898, 273.—W. S.
centralis Banks, Trans. Amer. Ent. Soc. xxv, 204, 1899.
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coquilletti Currie, Can. Entom. 1898, 93.—W. S.
curriei McClendon, Ent. News, 1906, 93.—Tex.
delicatulus Currie, Proc. Ent. Soc. Wash. v, 279, 1903.—Ariz.
dorsalis Banks, Journ. N. Y. Ent. Soc. 1903, p. 240.—Tex.
elongatus Banks, Trans. Amer. Ent. Soc. xxx, 105, 1904.—N. Mex.
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 229, 1861. Banks, Proc. Ent. Soc. Wash. v, 175, 1903.—W. S.
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cockerelli Banks, Ent. News, 1902, 86.
nubeculipennis Currie, Proc. Ent. Soc. Wash. v, 277, 1903 (as var.).
irregularis Currie, Proc. Ent. Soc. Wash. vii, 186, 1905.—Ill., Tex.
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 A. 227, 1861; Can. Ent. 1888, 35.—S. S.
irroratus Burm., *ibid.*, 995 (part), (nec. Oliv.). Taschenbg. Zeitschr. ges.
 Naturwiss. lii, 213, 1879.—S. S.
longipalpis Hag., Can. Ent. 1888, 95.—W. S.
maculosus Banks, Ent. News, 1899, 170.—Cal.
minusculus Banks, Trans. Amer. Ent. Soc. xxv, 203, 1899.—W. S.
niger Currie, Can. Ent. 1898, 134.—Ariz.
nigrilabris Hagen, Can. Ent. 1888, 72.—W. S.
pallidus Banks, Ent. News, 1899, 171; Currie, Proc. Ent. Soc. Wash. v, 278,
 1903.—W. S.
papago Currie, Can. Ent. 1899, 361.—S. W. S.
pusillus Currie, Can. Ent. 1899, 363.—N. Mex., Ariz.
quadripunctatus Currie, Can. Ent. 1898, 136. Banks, Proc. Ent. Soc. Wash.
 v, 176, 1903.—W. S.
ramburi Banks, n. n.—S. S.
nebulosus Rambr., Néuropt. 387, 1842 (*Myrmeleon*), (nec. Oliv. 1811). Hag.,
 Can. Ent. 1888, 36.
sackeni Hagen, Can. Ent. 1888, 94.—W. S.
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texanus Banks, Proc. Ent. Soc. Wash. v, p. 175, 1903.—S. W. S.
intermedius Currie, Proc. Ent. Soc. Wash. v, 283, 1903.
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 37.—S. W. S.
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Maracanda Hag., Can. Ent. 1887, 212 [not McLach.].*nebulosum* Oliv., Eneycl. Méth. viii, 127, 1811 (*Myrmeleon*).—E. S.*irroratus* Burm., Handb. ii, 995, 1839 (part).*contaminatus* Burm., *ibid.*; Taschbg. Zeitschr. ges. Naturwiss. lii, 214, 1879.*conspersa* Rambr., Neuropt. 387, 1842. Hagen, Can. Ent. 1887, 212.*henshawi* Hag., Can. Ent. 1887, 216 (*Maracanda*).—Wash.*signata* Hag., Can. Ent. 1887, 215 (*Maracanda*).—Ohio.**MARACANDULA.**

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McClendon, Ent. News, 1906, 172.

Ptynx Lefebure. Guer. Mag. Zool. Ins. pl. 92, fig. 6 (preoc.).*appendiculatus* Fabr., Ent. Syst. ii, 96, 1793 (*Ascalaphus*). McLachlan, Journ.

Linn. Soc. Lond. Zool. xi, 239, 1871. Hagen, Stett. Ent. Zeit. 1863, 376.—S. Atl. S.

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Ulula Rambr., Néuropt. 357, 1842 (preoc.).*Ascalaphus* Hagen, Syn. Neur. N. A. 237, 1861 (not restricted).*albifrons* Banks, Ent. News, 1901, 172 (*Ulula*).—Ariz.*arizonensis* Banks, Ent. News, 1907, 275.—Ariz.*floridana* Banks, Psyche, 1906, 99.—Fla.*hyalina* Latr., Humboldt, Recueil Zool. ii, 118, 1811-32 (*Ascalaphus*).—S. S.*macleayanus* Guild., Trans. Linn. Soc. Lond. xiv, 140, 1825 (*Ascalaphus*).*senex* Burm., Handb. ii, 1001, 1839 (*Ascalaphus*).—S. S.*4-punctata* Burm., Handb. ii, 1001, 1839 (*Ascalaphus*).—E. S.*surinamensis* Walk., B. M. Cat. 439 (1853), (nec. Fabr.).**COLOBOPTERUS.**

Rambur, Hist. nat. Néuropt. 360, 1842.

excisus Hag., Can. Ent. 1887, 152.—E. S.

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- fasciata* Fabr., Ent. Syst. ii, 98, 1793.
- banksii* Hine, Bull. Sci. Lab. Denison Univ. xi, 247, 1901.—N. Y., N. Car.
- affinis* Banks, Trans. Amer. Ent. Soc. xxii, 315, 1895 (nec. Leach).
- canadensis* Banks, Trans. Am. Ent. Soc. xxii, 315, 1895. Hine, Bull. Sci. Lab. Denison Univ. xi, 252, 1901.—Can., N. H.
- carolinensis* Banks, Bull. Amer. Mus. Nat. Hist. xxi, 216, 1905; Trans. Amer. Ent. Soc. xxxii, 8, 1906.—N. Car.
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- confusa* Westw., Trans. Ent. Soc. Lond. iv, 190, 1846. Hag., Syn. Neur. N. A. 244, 1861. Hine, Bull. Sci. Lab. Denison Univ. xi, 251, 1901.—E. S.
- latipennis* Hine, Bull. Sci. Lab. Denison Univ. xi, 248, 1901.—E. S.
- lugubris* Swed., Kgl. Svenska Vetensk. Acad. Handl. viii, 279, 1787. Westw., Trans. Ent. Soc. Lond. iv, 188, 1846. Hagen, Syn. Neur. N. Am. 241, 1861. Hine, Bull. Sci. Lab. Denison Univ. xi, 245, 1901.—S. S.
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- maculosa* Hagen, Syn. Neur. N. Am. 245, 1861. Hine, Bull. Sci. Lab. Denison Univ. xi, 247, 1901.—E. S.
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- rufescens* Ramb., Néuropt. 330, 1842. Hag., Syn. Neur. N. A. 241, 1861. Hine, Bull. Sci. Lab. Denison Univ. xi, 251, 1901.—E. S.
- debilis* Westw., Trans. Ent. Soc. Lond. iv, 191, 1846.
- signifer* Banks, Trans. Amer. Ent. Soc. xxvi, 251, 1900. Hine, Bull. Sci. Lab. Denison Univ. xi, 249, 1901.—E. S.
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- venosa* Westw., Trans. Ent. Soc. Lond. iv, 190, 1846. Hagen, Syn. Neur. N. A. 242, 1861. Hine, Bull. Sci. Lab. Denison Univ. xi, 250, 1901.—E. S.
- virginica* Banks, Psyche, 1906, 99.—Va.

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McLachlan, Trans. Ent. Soc. Lond. 1875, 188.

- carolinensis* Banks, Bull. Amer. Mus. Nat. Hist. xxi, 215, 1905; Trans. Amer. Ent. Soc. xxxii, 8, 1906.—N. Car.
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- nivorlundus* Fitch, Amer. Journ. Agric. v, 277, 1847. Hag., Syn. Neur. N. A. 240, 1861. Hine, Bull. Sci. Lab. Denison Univ. xi, 254, 1901.—N. S.
- unicolor* Hine, Bull. Sci. Lab. Denison Univ. xi, 256, 1901.—Mont.

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Latreille, Hist. Nat. Crust. Ins. iii, 295, 1802.

- apicalis* Hagen, Syn. Neur. N. A. 248, 1861. Hine, Journ. Col. Hort. Soc., xiii, 109, 1898; Bull. Sci. Lab. Denison Univ. xi, 259, 1901.—E. S.
- apterus* McLachlan, Ent. Mo. Mag. viii, 100, 1871. Osten Sacken, Wien. Ent. Zeit. i, 123, 1882. Hine, Journ. Col. Hort. Soc. xiii, 110, 1898; Bull. Sci. Lab. Denison Univ. xi, 257, 1901.—Cal.
- chlorostigma* McLach., Ent. Mo. Mag. xviii, 36, 1881. Hine, Journ. Col. Hort. Soc. xiii, 110, 1898; Bull. Sci. Lab. Denison Univ. xi, 258, 1901.—Cal.
- occidentis* Walk., B. M. Cat. Neur. 469, 1853. Hagen, Syn. Neur. N. Am. 247, 1861. Hine, Journ. Col. Hort. Soc. xiii, 112, 1898; Bull. Sci. Lab. Denison Univ. xi, 259, 1901.—E. S.
- pilicornis* Westw., Trans. Ent. Soc. Lond. iv, 196, 1846. Hagen, Syn. Neur. N. A. 246, 1861. Hine, Journ. Col. Hort. Soc. xiii, 113, 1898; Bull. Sci. Lab. Denison Univ. xi, 261, 1901.—E. S.
- punctiger* Westw., Trans. Ent. Soc. Lond. iv, 195, 1846. Hagen, Syn. Neur. N. A. 247, 1861. Hine, Journ. Col. Hort. Soc. xiii, 113, 1898; Bull. Sci. Lab. Denison Univ. xi, 258, 1901.—E. S.
- stigmaterus* Say, West. Quart. Rept. ii, 164, 1823. LeConte Ed., ii, 173, 1859. Hagen, Syn. Neur. N. A. 247, 1861. Hine, Journ. Col. Hort. Soc. xiii, 114, 1898; Bull. Sci. Lab. Denison Univ. xi, 260, 1901.
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- strigosus* Hag., Syn. Neur. N. A. 246, 1861. Hine, Journ. Col. Hort. Soc. xiii, 115, 1898; Bull. Sci. Lab. Denison Univ. xi, 262, 1901.—E. S.

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- tuber* Newm., Ent. Mag. v, 180, 1838. Westw., Trans. Ent. Soc. Lond. iv, 194, 1846. Hagen, Syn. Neur. N. A. 248, 1861. Fitch, 14th Rept. Ins. N. Y. 373, 1872; Hine, Bull. Sci. Lab. Denison Univ. xi, 263, 1901. Barber, Proc. Ent. Soc. Wash. vi, 50, 1904.—Atl. S.

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Trichostegia Kolenati, Gen. et. Sp. Trich. i, 84, 1848.

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- cinerea* Walk., B. M. Cat. Neur. 4, 1852; Hagen, Verh. zool.-bot. Ges. Wien, 1873, 410.—N. E. S.
- improba* Hagen, Verh. zool.-bot. Ges. Wien, 1873, 417.—N. E. S.
- interrupta* Say, Amer. Ent. iii, pl. 44, 98, 1828; Complete Writings, i, 98, 1859. Hagen, Verh. zool.-bot. Ges. Wien, 1873, 411.—N. E. S.
- vestita* Walk., B. M. Cat. Neur. 10, 1852 (*Neuronia*); Hag., Verh. zool.-bot. Ges. Wien, 1873, 418; Ulmer, Notes Leyden Mus. xxviii, 2, 1906.—E. S.
- commixta* Walk., *ibid.*, 10, 1852.

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Leach, Edinb. Encyc. ix, 136, 1815.

Holostomis Mannerheim, Bull. Soc. Nat. Moscou, xi (1), 21, 1838.

Oligostomis Kolenati, Gen. et Sp. Trich. i, 80, 1848.

Oligotricha Rambr., Néuropt. 472, 1842.

- angustipennis* Hagen, Verh. zool.-bot. Ges. Wien, 1873, 400.—N. E. S.
- canadensis* Banks, Proc. Ent. Soc. Wash. viii, 118, 1907.—Can.
- concatenata* Walk., B. M. Cat. Neur. 8, 1852. Hag., Verh. zool.-bot. Ges. Wien, 1873, 385.—N. S.
- dossuaria* Say, Amer. Entom. iii, pl. 44, p. 97, 1828 (*Phryganea*); Complete Writings, i, 97, 1859. Hagen, Verh. zool.-bot. Ges. Wien, 1873, 383.—N. E. S.
- inornata* Banks, Proc. Ent. Soc. Wash. viii, 117, 1907.—Minn.
- lapponica* Hagen, Verh. zool.-bot. Ges. Wien, 1864, 852. McLachlan, Mon. Eur. Trich. 16, 1874.—Alaska.
- ocellifera* Walk., B. M. Cat. Neur. 8, 1852. Hag., Verh. zool.-bot. Ges. Wien, 1873, 400.—Ulmer, Ann. Naturhist. Hofmuseums Wien, xx, 61, 1905.—E. S.
- ocelligera* Walk., B. M. Cat. Neur. 8, 1852. Hagen, Verh. zool.-bot. Ges. Wien, 1873, 389.—E. S.
- pardalis* Walk., B. M. Cat. Neur. 7, 1852. Hagen, Verh. zool.-bot. Ges. Wien, 1873, 394.—N. E. S.
- postica* Walk., B. M. Cat. Neur. 9, 1852. Hagen, Verh. zool.-bot. Ges. 1873, 398.—N. S.
- semifasciata* Say, West. Quart. Rept. ii, 161, 1823 (*Phryganea*); Amer. Entom. iii, pl. 44, 97, 1828. LeConte Ed. i, 97, 1859. Hag, Verh. zool.-bot. Ges. Wien, 1873, 396. Ulmer, Ann. Naturhist. Hofmuseums Wien, xx, 60, 1905.—U. S.
- fusca* Walk., B. M. Cat. Neur. 9, 1852.
- kovalevskii* Kol., Gen. et Sp. Trich. ii, 198, 1859.
- stygipes* Hag., Verh. zool.-bot. Ges. Wien, 1873, 388.—N. E. S.

AGRYPNIA.

Curtis, Brit. Ent. pl. 540, 1835.

- colorata* Hagen, Verh. zool.-bot. Ges. Wien, 1873, 424.—Can.
- glacialis* Hagen, Verh. zool.-bot. Ges. Wien, 1873, 426.—B. Am.
- straminea* Hagen, Verh. zool.-bot. Ges. Wien, 1873, 425.—B. Am.

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McLachlan, Mon. Eur. Trich. Supp. I, ii, 1876.

- curvata* Banks, Trans. Amer. Ent. Soc. xxvi, 252, 1900.—Minn.

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GRAMMOTAULIUS.

Kolenati, Gen. et Sp. Trich. i, 38, 1848.

interrogationis Zett., Ins. Lapp. 1063, 1840. Hag., Syn. Neur. N. A. 254, 1861;

Verh. zool.-bot. Ges. Wien. 1873, 450.—N. S.

præcox Hagen, Verh. zool.-bot. Ges. Wien. 1873, 451.—N. S.**GLYPHOTÆLIUS.**

Stephens, Ill. Mand. vi, 211, 1837.

Glyphidotaulius Kolenati, Gen. et Sp. Trich. i, 36, 1848.*hostilis* Hagen, Verh. zool.-bot. Ges. Wien. 1873, 444.—N. S.**LEPTOPHYLAX.**

Banks, Trans. Amer. Ent. Soc. xxvi, 252, 1900.

gracilis Banks, Trans. Amer. Ent. Soc. xxvi, 252, 1900.—Minn.**DESMOTAULIUS.**

Kolenati, Gen. et Sp. Trich. i, 56, 1848.

planifrons Kolen., Gen. et Sp. Trich. i, 56, 1848. Hagen, Syn. Neur. N. A. 263, 1861.—Labr.**LIMNEPHILUS.**

Leach, Edinb. Encyc. ix, 136, 1815.

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<i>Potamorites</i>	40	<i>Trichostegia</i>	34
<i>Potamyia</i>	47	<i>Trichostoma</i>	42
<i>Pristosilo</i>	43	<i>Tricorythus</i>	18
<i>Prosoponia</i>	41	<i>Troctes</i>	6
<i>Protoptila</i>	49	<i>Ulula</i>	32
<i>Psammoleon</i>	30	<i>Ululodes</i>	32
<i>Psectra</i>	25		
<i>Pseudoperla</i>	12		
<i>Psilopteryx</i>	40		

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