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BANKS
Catalogue of the neuropteroid insects.

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CATALOGUE
OF THE
NEUROPTEROID INSECTS
(EXCEPT ODONATA)
OF THE
UNITED STATES
BY
NATHAN BANKS

PHILADELPHIA:
AMERICAN ENTOMOLOGICAL SOCIETY.
1907.

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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, 288; 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.**EMBIÆ.**

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 Grœni.

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.

gravinympha 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.

CÆCILIOUS.

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.—Cal.
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, Jahrb., 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.
 —III.
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.
bicarínatus 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.
capitata 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.
decepiens 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.).

- billineata* 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.
- guerinii* 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.

TÆNIOPTERYX.

Pictet, Perlides, 345, 1841.

frigida Hag., Syn. Neur. N. A. 35, 1861.—Md.

(?) *nivalis* Fitch, Wint. Ins. N. Y. 274, 1847.

glacialis Newp., Trans. Linn. 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.

TÆNIONEMA.

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 (*Tæniopteryx*).—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.

POLYMITARCYIS.

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.

limbata Serv., Guérin, Iconog. Reg. Anim. iii, 384, 1844. Rambur, Hist. Nat. Néuropt. 295, 1842. Hagen, Syn. Neur. N. A. 41, 1861.

- 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.
- memoralis* 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.
- inornata* Eaton, Biologia Cent.-Amer. Neur. p. 6, 1892.—Ariz., N. Mex.

HABROPHLEBIA.

Eaton, Ent. Mo. Mag. xvii, 196, 1881.

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

EPHEMERELLA.

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

- bispina* Needham, Bull. No. 86, N. Y. State Mus. 43, 1905.—Ind.
- 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.
- fuscata* Walk., B. M. Cat. Neur. 570, 1853. Hagen, Syn. Neur. N. A. 47, 1861.—Can.
- 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.).

Ozycephus 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.
- amica* Hagen; Syn. Neur. N. A. 55, 1861.

- 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.
latipennis Banks, Ent. News, 1907, p. 14.—Wash.

TRICORYTHUS.

Eaton, Ent. Mo. Mag. v, 82, 1868.

- explicatus* Eaton, Biol. Cent.-Amer. Neur. p. 11, 1892. Cockerell, Univ. Colo. Studies, III, pp. 135-137, 1906.—Ariz., Colo.

BÆTIS.

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

- bioculata* Linn., Syst. Nat. x, 547, 1758. Pictet, Hist. Nat. Neuropt. ii, 244, 1845. Hagen, Syn. Neur. N. A. 52, 1861. Eaton, Riv. Monog. 158, 1885.—Can.
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.
propinquus Walsh, Proc. Ent. Soc. Phil. ii, 207, 1863. Eaton, Riv. Monog. 169, 1885.—E. S.
vicina Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 380 (not Hagen).
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.
unicolor Hag., Syn. Neur. N. A. 54, 1861. Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 380.—D. C., N. Y.
hageni Eaton, Riv. Monog. 169, 1885.

CENTROPTILUM.

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.

CLEON.

Leach, Edinb. Encyl. ix, 137, 1815.

- dubium* Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 380. Eaton, Riv. Monog. 190, 1885.—Ill.
mendax Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 381. Eaton, Riv. Monog. 190, 1885.—E. S.
vicina Hag., Syn. Neur. N. Am. 54, 1861. Eaton, Riv. Monog. 190, 1885.—E. S.

CALLIBÆTIS.

Eaton, Ent. Mo. Mag. xvii, 196, 1881.

- americanus* Banks, Trans. Amer. Ent. Soc. xxvi, 250, 1900.—N. S.
californicus Banks, Trans. Amer. Ent. Soc. xxvi, 249, 1900.—Cal.
coloradensis Banks, Trans. Amer. Ent. Soc. xxvi, 250, 1900.—Colo.
ferrugineus Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 379. Eaton, Riv. Monog. 193, 1885. Banks, Trans. Amer. Ent. Soc. xxvi, 250, 1900.—E. S.

- floridanus* Banks, Trans. Amer. Ent. Soc. xxvi, 249, 1900.—Fla.
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.
pictus Eaton, Riv. Monog. 195, 1885.

SIPHONURUS.

Eaton, Ent. Mo. Mag. v, 89, 1868.

Siphonurus Eaton, Trans. Ent. Soc. Lond. 1871, 125.

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

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

- alternatus* Say, West. Quart. Rept. ii, 304, 1824. LeConte Ed. i, 204, 1859.
 Hag., Syn. Neur. N. Am. 49, 1861. Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 369. Eaton, Riv. Monog. 219, 1885. Needham, Bull. 47, N. Y. State Mus. 423, 1901.—E. S.
annulata Walk., B. M. Cat. 567, 1853.
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.
interlineata Walsh, Proc. Ent. Soc. Phil. ii, 190, 1863.
intermedius Eaton, Riv. Monog. 207, 1885.—Ariz.
ludens Needham, Bull. No. 68, N. Y. State Mus. 36, 1905 (*Ameletus*).—N. Y.
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.

BÆTISCA.

Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 378.

obesa Say, Journ. Acad. Nat. Sci. Phil. viii, 43, 1839. LeConte Ed. ii, 412, 1859, Hagen, Syn. Neur. N. A. 45, 1861. Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 378; Proc. Ent. Soc. Phil. iii, 200, 1864. Eaton, Riv. Monog. 228, 1885. Needham, Bull. No. 86, N. Y. State Mus. 30, 1905.—E. S.

HEPTAGENIA.

Walsh, Proc. Ent. Soc. Phil. ii, 204, 1863.

Ecdyonurus Eaton, Trans. Ent. Soc. Lond. 1868, 142.

Ecdyurus Eaton, Ent. Mo. Mag. xviii, 25, 1881.

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

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.

brunnea Hagen, Ann. Rept. U. S. Geol. Surv. Terr. iii, Zool. 381, 1875.—W. S. *hageni* Eaton, Riv. Monog. 253, 1885.

canadensis Walk., B. M. Cat. Neur. 569, 1853. Hagen, Syn. Neur. N. A. 47, 1861. Eaton, Riv. Monog. 278, 1885.—Can.

cruentata Walsh, Proc. Ent. Soc. Phil. ii, 205, 1863. Eaton, Riv. Monog. 300, 1887.—Ill.

elegantula Eaton, Riv. Monog. 253, 1885. Needham, Bull. No. 86, N. Y. State Mus. 59, 1905.—Colo., Ariz.

flaveola Pictet, Hist. Nat. Néuropt. ii, 186, 1845. Hagen, Syn. Neur. N. Am. 44, 1861.—E. S.

flavescens Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 373. Eaton, Riv. Monog. 266, 1885.—E. S.

fusca Walk., B. M. Cat. Neur. 568, 1853. Hagen, Syn. Neur. N. A. 45, 1861.—Can. *jejuna* Eaton, Riv. Monog. 252, 1885.

geminatum Eaton, Riv. Monog. 250, 1885.—Colo.

integrum Eaton, Riv. Monog. 248, 1885.—Oreg., Wash.

interpunctata Say, Journ. Acad. Nat. Sci. Phil. viii, 41, 1839. LeConte Ed. ii, 411, 1859. Hagen, Syn. Neur. N. A. 44, 1861. Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 374. Eaton, Riv. Monog. 267, 1885. Needham, Bull. No. 86, N. Y. State Mus. 54, 1905.—N. S.

longimanus Eaton, Ent. Mo. Mag. xviii, 26, 1881. Riv. Monog. 245, 1885.—Colo.

luridipennis Burm., Handb. ii, 801, 1839. Pictet, Hist. Nat. Neur. ii, 192, 1845. Hagen, Syn. Neur. N. Am. 49, 1861. Eaton, Riv. Monog. 279, 1885.—Can., N. Y.

noveboracana Hagen, Syn. Neur. N. A. 50, 1861.

maculipennis Walsh, Proc. Ent. Soc. Phil. ii, 206, 1863. Eaton, Riv. Monog. 301, 1887. Needham, Bull. No. 86, N. Y. State Mus. 57, 1905.—N. S.

manifesta Eaton, Riv. Monog. 253, 1885.—Ill.

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.

- pudica* Hag., Ann. Rept. U. S. Geol. Geog. Surv. Terr. 1873, iii, Zool. 581, 1875.
Eaton, Riv. Monog. 298, 1887.—Colo.
- pulchella* Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 375 (*Palingenia*); Proc. Ent. Soc. Phil. ii, 204, 1863. Eaton, Riv. Monog. 299, 1887. Needham, Bull. No. 47, N. Y. State Mus. 420, 1901.—U. S.
- quebecensis* Prov., Natur. Canad. viii, 267, 1876 (*Cloe*). Faun. Ent. Canad. ii, 84, 1883. Eaton, Riv. Monog. 297, 1887.—Can.
- simplex* Walsh, Proc. Ent. Soc. Phil. ii, 204, 1863. Eaton, Riv. Monog. 300, 1887.—Ill.
- terminata* Walsh, Proc. Acad. Nat. Sci. Phil. 1862, 376 (*Palingenia*). Proc. Ent. Soc. Phil. ii, 203, 1863. Eaton, Riv. Monog. 299, 1887.—E. S.
- verticis* Say, Journ. Acad. Nat. Sci. Phil. viii, 42, 1839. LeConte Ed. ii, 412, 1859. Hag., Syn. Neur. N. A. 46, 1861. Walsh, Proc. Ent. Soc. Phil. ii, 204, 1863. Eaton, Riv. Monog. 278, 1885.—E. S.
- 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.
- pudica* Hagen, Syn. Neur. N. A. 39, 1861 (*Ephemera*).
- vitrea* Walk., B. M. Cat. Neur. 555, 1853. Eaton, Riv. Monog. 254, 1885.—Can.

Order NEUROPTERA Leach.

Suborder MEGALOPTERA Macleay.

SIALIDÆ.

CORYDALIS.

Latreille, Hist. Nat. Crust. Ins. ii, 290, 1802.

- 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.
- texana* Banks, Journ. N. Y. Ent. Soc. 1903, 239.—Tex.

CHAULIODES.

Latreille, Precis caract. Ins. 102, 1796.

Hermes Gray, Griff. ed. Cuv. Anim. Kingd. ii, 322, 1832.

Neuromus Rambur, Hist. Nat. Néuropt. 441, 1842.

- angusticollis* Hagen, Syn. Neur. N. A. 191, 1861. Davis, Bull. No. 68, N. Y. State Mus. 462, 1903.—E. S.
- 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.
- dubitatus* Walk., B. M. Cat. Neur. 204, 1853 (*Hermes*).

- disjunctus* Walk., Lord's Naturalist in Vancouver Island, ii, 334, 1868. Davis, Bull. No. 68, N. Y. State Mus. 463, 1903.—B. Col.
- fasclatus* Walk., B. M. Cat. Neur. 201, 1853. Davis, Bull. No. 68, N. Y. State Mus. 458, 1903.—E. S.
- 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.
- pectinicornis* Linn., Amœn. Acad. vi, 412, 1763 (*Hemerobius*). Hag., Syn. Neur. N. A. 189, 1861. Davis, Bull. No. 68, N. Y. State Mus. 461, 1903.—E. S.
- 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.
- maculatus* Rambur, Néuropt. 442, 1842. Hagen, Syn. Neur. N. Am. 191, 1861.—E. S.

SIALIS.

- Latreille, Hist. Nat. Crust. Ins. ii, 290, 1802.
- americana* Ramb., Néuropt. 447, 1842 (*Semblis*). 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.
- fuliginosa* Pictet, Ann. Sci. Nat. V, 79, 1836. Davis, Bull. No. 68, N. Y. State Mus. 449, 1903.—W. S.
- infumata* Newm., Ent. Mag. v, 500, 1838. Hagen, Syn. Neur. N. A., 188, 1861. Davis, Bull. No. 68, N. Y. State Mus. 448, 1903.—U. S.
- nevadensis* Davis, Bull. No. 68, N. Y. State Mus. 450, 1903.—Nev.
- morrisoni* Davis, *ibid*.

RAPHIDIIDÆ.

RAPHIDIA.

- Linné, Syst. Nat. Ed. x, 552, 1758.
- adnixa* Hag., Syn. Neur. N. A. 195, 1861. Albarda, Tijds. voor. Entom. xxxiv, 146, 1891.—N. W. S.
- assimilis* Albarda, Tijds. voor. Entom. xxxiv, 144, 1891.—B. Col.
- bicolor* Albarda, Tijds. 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, Tijds. voor. Entom. xxxiv, 149, 1891.—W. S.
- occulta* Banks, Trans. Amer. Ent. Soc. xxxii, 4, 1905.—W. S.

INOCELLIA.

- Schneider, Monog. Raphid. Dissert. 32, 1843.
- hageni* Albarda, Tijds. voor. Entom. xxxiv, 171, 1891.—Cal.
- inflata* Hag., Syn. Neur. N. A. 196, 1861 (*Raphidia*). Albarda, Tijds. voor. Ent. xxxiv, 167, 1891.—W. S.
- longicornis* Albarda, Tijds. voor. Entom. xxxiv, 169, 1891.—Cal.

Suborder STEGOPTERA Laporte.

MANTISPIDÆ.

MANTISPA.

Illiger, Kugelann Verz. Käfer Preuss. Anh. 500, 1798.

brunnea Say, Long's Exp. ii, 309, 1824. Erichs., Germar's Zeit. i, 161, 1839.
Westw., Trans. Ent. Soc. Lond. (2), i, 253, 1851. Hag, Syn. Neur. N.
A. 207, 1861.—U. S.

burquei Prov., Nat. Can. 1875, 247.

floridana Banks, Trans. Amer. Ent. Soc. xxiv, 23, 1897.—Fla.

interrupta Say, Amer. Entom. ii, 55, 1825. Erichs., Germar's Zeits. i, 171, 1839.
Westw., Trans. Ent. Soc. London (2), i, 255, 1851. Hagen, Syn. Neur.
N. A. 209, 1861.—S. S.

mœsta Hag., Syn. Neur. N. A. 210, 1861.—Tenn.

sayi Banks, Trans. Amer. Ent. Soc. xxiv, 23, 1897.—S. S.

viridis Walk., B. M. Cat. Neur. 227, 1853. Hagen, Syn. Neur. N. A. 209, 1861.
Banks, Ent. News, 1904, 171.—Fla., Tex.

SYMPHASIS.

Hagen, Stett. Ent. Zeit. 1877, 208.

signata Hag., Stett. Ent. Zeit. 1877, 209.—S. W. S.

HEMEROBIDÆ.

DILAR.

Rambur, Hist. Nat. Neuropt. 445, 1842.

americana McLach., Ent. Mo. Mag. xviii, 53, 1881. Banks, Trans. Amer. Ent.
Soc. xxxii, 24, 1906.—Ky., Va.

SISYRA.

Burmeister, Handb. ii (3), 975, 1839.

vicaria Walk., B. M. Cat. Neur. 297, 1853 (*Hemerobius*). Hagen, Syn. Neur.
N. A. 197, 1861. Banks, Trans. Amer. Ent. Soc. xxxii, 25, 1906.—E. S.

umbrata Needh., Bull. 47, N. Y. State Mus. 555, 1901.

CLIMACIA.

McLachlan, Ent. Mo. Mag. vi, 21, 1869.

areolaris Hag., Syn. Neur. N. A. 199, 1861 (*Micromus*). Banks, Trans. Amer.
Ent. Soc. xxxii, 26, 1906.—E. S.

dictyona Needh., Bull. 47, N. Y. State Mus. 558, 1901.

LOMAMYIA.

Banks, Trans. Amer. Ent. Soc. xxxii, 26, 1906.

Berotha Banks, Trans. Amer. Ent. Soc. xix, 360, 1892 (not Walk.).

flavicornis Walk., B. M. Cat. Neur. 278, 1853 (*Hemerobius*). Hagen, Syn. Neur.
N. A. 198, 1861. Banks, Trans. Amer. Ent. Soc. xxxii, 27, 1906.—E. S.

hamatus Walk., ibid.

pennsylvanicus Brauer, Verh. zool.-bot. Ges. Wien. 1864, 897 (*Isocleipteron*).

texana Banks, Trans. Amer. Ent. Soc. xxiv, 24, 1897; ibid., xxxii, 27, 1906.—
W. S.

occidentalis Banks, Inverteb. Pacifica, i, 89, 1905.

POLYSTÆCHOTES.

Burmeister, Handb. ii, 982, 1839.

- punctatus* Fabr., Ent. Syst. ii, 73, 1793 (*Sembris*). Hag. Syn. Neur. N. Am. 206, 1861. Banks, Trans. Amer. Ent. Soc. xxxii, 28, 1906.—U. S.
nebulosus Fabr., Ent. Syst. Supp. 202, 1798.
irroratus Say, Long's Exped. ii, 306, 1824.
stictus Burm., Handb. ii, 982, 1839.
validus Walk., B. M. Cat. Neur. 233, 1853.
vittatus Say, Long's Exped. ii, 307, 1824. Hag. Syn. Neur. N. Am. 207, 1861.—N. Jer.

HEMEROBIUS.

Linné, Syst. Nat. x, 549, 1758.

Mucropalpus Rambr., Néuropt. 420, 1842.

- cockerelli* Banks, Psyche, ix, 286, 1901. Trans. Amer. Ent. Soc. xxxii, 34, 1906.—W. S.
caudelli Currie, Proc. Ent. Soc. Wash. vi, 87, 1904.
conjunctus Fitch, 1st Rept. Ins. N. Y. 94, 1856. Hag. Syn. Neur. N. Am. 203, 1861. Banks, Trans. Amer. Ent. Soc. xxx, 35, 1906.—N. S.
pinidumus Fitch, *ibid.*, 95.
venustus Banks, Trans. Amer. Ent. Soc. xxiv, 25, 1897.
glacialis Currie, Proc. Ent. Soc. Wash. vi, 88, 1904.
dorsatus Banks, Can. Ent. 1904, 61; Trans. Am. Ent. Soc. xxxii, 34, 1906.—Colo.
humuli Linn., Syst. Nat. x, 550, 1758. Banks, Trans. Amer. Ent. Soc. xxxii, 32, 1906.—U. S.
castanæ Fitch, 1st Rept. Ins. N. Y. 94, 1856. Hag. Syn. Neur. N. A. 202, 1861.
tutatrix Fitch, *ibid.*
gossypii Ashm., Insect Life, vii, 27, 1895.
hyalinatus Fitch, 1st Rept. Ins. N. Y. 95, 1856. Hag. Syn. Neur. N. Am. 203, 1861. Banks, Trans. Amer. Ent. Soc. xxxii, 34, 1906.—N. S.
canadensis Banks, Trans. Amer. Ent. Soc. xxiv, 26, 1897.
kootenayensis Currie, Proc. Ent. Soc. Wash. vi, 88, 1904.
kokaneeanus Currie, Proc. Ent. Soc. Wash. vi, 86, 1904. Banks, Trans. Amer. Ent. Soc. xxxii, 31, 1906.—B. Col.
marginatus Steph., Ill. Brit. Ent. Mand. vi, 109, 1836. Banks, Trans. Amer. Ent. Soc. xxxii, 32, 1906.—N. E. S.
mœstus Banks, Trans. Am. Ent. Soc. xxiv, 25, 1897; *ibid.*, xxxii, 31, 1906.—W. S.
bistrigatus Currie, Proc. Ent. Soc. Wash. vi, 79, 1904.
dyari Currie, *ibid.*, 85.
nevadensis Banks, Can. Entom. 1904, 61; Trans. Amer. Ent. Soc. xxxii, 35, 1906.—Nev.
pacificus Banks, Trans. Amer. Ent. Soc. xxiv, 24, 1897; *ibid.*, xxxii, 33, 1906.—W. S.
pallescens Currie, Proc. Ent. Soc. Wash. vi, 80, 1904.
simplex Banks, Trans. Amer. Ent. Soc. xxxii, 32, 1906.—Ariz.
simulans Walk., B. M. Cat. Neur. 285, 1853. Banks, Trans. Amer. Ent. Soc. xxxii, 33, 1906.—N. E. S.
crispus Walk., *ibid.* (nec. Stephens).
orotypus Walleng., Cefv. Svenska Vetewsk. Akad. 1870, 155.
stigmaterus Fitch, 1st Rept. Ins. N. Y. 93, 1856. Hag. Syn. Neur. N. Am. 202, 1861. Banks, Trans. Amer. Ent. Soc. xxxii, 30, 1906.—U. S.

BORIOMYIA.

- Banks*, Proc. Ent. Soc. Wash. vi, 209, 1904; Trans. Am. Ent. Soc. xxxii, 36, 1906.
- coloradensis* Banks, Trans. Amer. Ent. Soc. xxiv, 26, 1897; *ibid.*, xxxii, 38, 1906.—W. S.
- disjuncta* Banks, Trans. Amer. Ent. Soc. xxiv, 25, 1897; *ibid.*, xxxii, 39, 1906.—N. S.
- fidelis* Banks, Trans. Am. Ent. Soc. xxiv, 27, 1897; *ibid.*, xxxii, 36, 1906.—E. S.
- longifrons* Walk., B. M. Cat. Neur. 291, 1853. Hag., Syn. Neur. N. A. 206, 1861.
- Banks*, Trans. Amer. Ent. Soc. xxxii, 37, 1906.—N. S.
- alternatus* Fitch, 1st Rept. Ins. N. Y. 93, 1856.
- posticata* Banks, Trans. Amer. Ent. Soc. xxxii, 39, 1906.—Utah.
- schwarzii* Banks, Proc. Ent. Soc. Wash. v, 241, 1903; Trans. Amer. Ent. Soc. xxxii, 38, 1906.—Ariz., N. Mex.
- speciosus* Banks, Can. Ent. 1904, 62; Tr. Am. Ent. Soc. xxxii, 37, 1906.—Md.
- transversus* Banks, Can. Ent. 1904, 61; Trans. Amer. Ent. Soc. xxxii, 38, 1906.—Colo.

SYMPHEROBIUS.

- Banks*, Proc. Ent. Soc. Wash. vi, 209, 1904; Trans. Am. Ent. Soc. xxxii, 40, 1906.
- Spadobius* Needh., Bull. No. 86, N. Y. State Museum, 16, 1905.
- Palmobius* Needh., *ibid.*, 17.
- amiculus* Fitch, 1st Rept. Ins. N. Y. 95, 1856. Hag., Syn. Neur. N. A. 200, 1861.
- Banks*, Trans. Amer. Ent. Soc. xxxii, 42, 1906.—E. S.
- angustus* Banks, Trans. Amer. Ent. Soc. xxx, 102, 1904; *ibid.*, xxxii, 41, 1906.—W. S.
- barberi* Banks, Proc. Ent. Soc. Wash. v, 241, 1903; Trans. Am. Ent. Soc. xxxii, 42, 1906.—Ariz., N. Mex.
- occidentalis* Fitch, 1st Rept., Ins. N. Y. 95, 1856. Hag., Syn. Neur. N. A. 201, 1861. Banks, Trans. Amer. Ent. Soc. xxxii, 40, 1906.—Ill., Kans.
- perparvus* McLach., Ent. Mo. Mag. vi, 22, 1869. Banks, Trans. Am. Ent. Soc. xxxii, 41, 1906.—Tex., Ariz., N. Mex.
- pictus* Banks, Can. Ent. 1904, 62; Trans. Amer. Ent. Soc. xxxii, 41, 1906.—Colo.
- umbratus* Banks, Proc. Ent. Soc. Wash. v, 242, 1903; Trans. Amer. Ent. Soc. xxxii, 41, 1906.—Ariz., N. Mex.

MEGALOMUS.

Rambur, Hist. nat. Neuropt. 418, 1842.

- latus* Banks, Proc. Ent. Soc. Wash. v, 240, 1903; Trans. Amer. Ent. Soc. xxxii, 43, 1906.—N. Mex., Ariz.
- minor* Banks, Inverteb. Pacifica, i, 90, 1905; Trans. Amer. Ent. Soc. xxxii, 43, 1906.—Nev.
- mœstus* Banks, Trans. Amer. Ent. Soc. xxii, 314, 1895; *ibid.*, xxxii, 43, 1906.—N. Mex., Ariz.

PSECTRA.

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

- diptera* Burm., Handb. ii (3), 973, 1839. Hagen, Entom. Amer. 1886, 21. Banks, Trans. Amer. Ent. Soc. xxxii, 44, 1906.—N. S.
- delicatulus* Fitch, 1st Rept. Ins. N. Y. 96, 1856.

MICROMUS.

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

- angulatus* Steph., Cat. Brit. Ins. 312, 1832. Hag., Proc. Bost. Soc. N. H. xxiii, 280, 1886. Banks, Trans. Amer. Ent. Soc. xxxii, 45, 1906.—N. S.
- jonas* Needh., Bull. 86, N. Y. State Mus. 15, 1905.—N. Y.
- montanus* Hagen, Proc. Bost. Soc. N. H. xxiii, 279, 1886. Banks, Trans. Amer. Ent. Soc. xxxii, 45, 1906.—N. S.
- posticus* Walk., B. M. Cat. Neur. 283, 1853 (*Hemerobius*). Hagen, Syn. Neur. N. A. 204, 1861. Banks, Trans. Amer. Ent. Soc. xxxii, 45, 1906.—E. S.
- insipidus* Hagen, Syn. Neur. N. A. 199, 1861; Proc. Bost. Soc. N. H. xxiii, 285, 1886.
- sobrius* Hagen, Syn. Neur. N. A. 199, 1861.
- subanticus* Walk., B. M. Cat. Neur. 282, 1853 (*Hemerobius*). Banks, Trans. Am. Ent. Soc. xxxii, 46, 1906.—S. S.
- angustus* Hag., Proc. Bost. Soc. N. H. xxiii, 287, 1886.
- variolosus* Hag., Proc. Bost. Soc. N. H. xxiii, 284, 1886. Banks, Trans. Amer. Ent. Soc. xxxji, 46, 1906.—W. S.

UNPLACED.

- citrinus* Hag., Syn. Neur. N. A. 204, 1861.
- 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.

CHRYSOPIDÆ.**NOTHOCHRYSA.**

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

- californica* Banks, Trans. Amer. Ent. Soc. xix, 373, 1892. MacGillivray, Can. Ent. 1894, 171. Banks, Trans. Amer. Ent. Soc. xxix, 142, 1903.—Cal.

ALLOCHRYSA.

Banks, Trans. Amer. Ent. Soc. xxix, 143, 1903.

- annulata* MacGill., Can. Ent. 1894, 169 = *Chrysopa oculata*?—Mass.
- arizonica* Banks, Psyche, 1906, 98.—Ariz.
- parvula* Banks, Trans. Amer. Ent. Soc. xxix, 143, 1903.—S. S.
- virginica* Fitch, 1st. Rept. Ins. N. Y. 91, 1856 (*Chrysopa*). Hag., Syn. Neur. N. A. 219, 1861. Banks, Tr. Amer. Ent. Soc. xxix, 143, 1903.—Va., Mass.
- phantasma* MacGill., Can. Ent. 1894, 170.

LEUCOCHRYSA.

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

- americana* Banks, Proc. Ent. Soc. Wash. iv, 175, 1898; Trans. Amer. Ent. Soc. xxix, 144, 1903.—Ala., Tex.
- antennata* Banks, Trans. Amer. Ent. Soc. xxxii, 5, 1905.—Tex.
- floridana* Banks, Ent. News, 1897, 184; Trans. Amer. Ent. Soc. xxix, 144, 1903.—Fla.
- longicornis* Walk., B. M. Cat. Neur. 235, 1853 (*Osmylus*). Hag., Syn. Neur. N. A. 210, 1861; Stett. Ent. Zeit. 1863, 376.—Ga.

CHRYSOPEA.

Leach, Edinb. Encycl. ix, 138, 1815.

- albicornis* Fitch, 1st Rept. Ins. N. Y. 84, 1856. Hagen, Syn. Neur. N. Am. 212, 1861. Banks, Trans. Amer. Ent. Soc. xxix, 149, 1903.—N. E. S.
- arizonensis* Banks, Trans. Am. Ent. Soc. xxix, 155, 1903.—Ariz., N. Mex.
- assimilis* Banks, Trans. Amer. Ent. Soc. xxv, 202, 1899; *ibid.*, xxix, 149, 1903.—Oreg.
- bimaculata* McClendon, Psyche, ix, 201, 1901. Banks, Trans. Amer. Ent. Soc. xxix, 153, 1903.—Fla., Tex.
- californica* Coq., Rept. Calif. State Board Hort. 1890, 288. Banks, Trans. Am. Ent. Soc. xxix, 156, 1903.—W. S.
- chl* Fitch, 1st Rept. Ins. N. Y. 86, 1856. Hagen, Syn. Neur. N. Am. 213, 1861. Banks, Trans. Amer. Ent. Soc. xxix, 148, 1903.—N. S.
- chlorophana* Burm., Handb. ii, 979, 1839. Hagen, Syn. Neur. N. A. 212, 1861. Banks, Trans. Amer. Ent. Soc. xxix, 147, 1903.—N. S.
- latipennis* Schneider, Monog. Chrys. 118, 1851.
- xanthocephala* Fitch, 1st Rept. Ins. N. Y. 85, 1856.
- bipunctata* Fitch, *ibid.*, 87.
- transmarina* Hagen, Syn. Neur. N. A. 213, 1861.
- cockerelli* Banks, Trans. Amer. Ent. Soc. xxi², 154, 1903.—N. Mex.
- coloradensis* Banks, Trans. Amer. Ent. Soc. xxii, 315, 1895; *ibid.*, xxix, 151, 1903.—W. S.
- columbiana* Banks, Trans. Amer. Ent. Soc. xxix, 150, 1903.—S. S.
- emuncta* Fitch, 1st Rept. Ins. N. Y. 88, 1856. Hagen, Syn. Neur. N. Am. 220, 1861. Banks, Trans. Amer. Ent. Soc. xxix, 154, 1903.—N. S.
- explorata* Hagen, Syn. Neur. N. A. 217, 1861. Banks, Trans. Amer. Ent. Soc. xxix, 151, 1903.—Ariz.
- externa* Hag., Syn. Neur. N. Am. 221, 1861; Trans. Amer. Ent. Soc. xxix, 156, 1903.—W. S.
- harrisi* Fitch, 1st Rept. Ins. N. Y. 90, 1856. Hagen, Syn. Neur. N. A. 221, 1861. Banks, Trans. Amer. Ent. Soc. xxix, 155, 1903.—E. S.
- injusta* Banks, Psyche, 1906, 98.—Cal.
- 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.
- tabida* Fitch, 1st Rept. Ins. N. Y. 92, 1856.
- lateralis* Guérin, Iconog. Reg. Anim. Ins. 388, 1845 (*Hemerobius*). Banks, Trans. Amer. Ent. Soc. xxix, 150, 1903.—S. S.
- pavida* Hagen, Syn. Neur. N. A. 216, 1861.
- lineaticornis* Fitch, 1st Rept. Ins. N. Y. 91, 1856. Hagen, Syn. Neur. N. Am. 215, 1861. Banks, Trans. Amer. Ent. Soc. xxix, 150, 1903.—W. S.
- puncticornis* Fitch, *ibid.*, 92.
- ? *ampla* Walk., B. M. Cat. Neur. 268, 1853.
- majuscula* Banks, Psyche, 1906, 98.—W. S.
- erythrocephala* Banks, Trans. Amer. Ent. Soc. xxv, 201, 1899; *ibid.*, xxix, 154, 1903 (not of Leach).
- medialis* Banks, Trans. Amer. Ent. Soc. xxix, 154, 1903.—D. C.
- nigricornis* Burm., Handb. ii, 980, 1839. Hagen, Syn. Neur. N. Am. 214, 1861; Banks, Trans. Amer. Ent. Soc. xxix, 149, 1903.—E. S.

- colon* Fitch, 1st Rept. Ins. N. Y. 88, 1856.
- oculata* Say, Journ. Acad. Phil. viii, 45, 1839. Hagen, Syn. Neur. N. Am. 211, 1861. Banks, Trans. Amer. Ent. Soc. xxix, 147, 1903.—U. S.
- euryptera* Burm., Handb. ii, 980, 1839.
- illepida* Fitch, 1st Rept. Ins. N. Y. 84, 1856.
- omikron* Fitch, *ibid.*, 85.
- fulvibucca* Fitch, *ibid.*, 86.
- mississippiensis* Fitch, *ibid.*
- plorabunda* Fitch, 1st Rept. Ins. N. Y. 88, 1856. Hagen, Syn. Neur. N. A. 221, 1861. Banks, Trans. Amer. Ent. Soc. xxix, 155, 1903.—E. S.
- pseudographa* Fitch, *ibid.*, 89.
- robertsoni* Fitch, *ibid.*, 88.
- illinoiensis* Shimer, Proc. Ent. Soc. Phil. iii, 208, 1865.
- quadripunctata* Burm., Handb. ii, 980, 1839. Hagen, Syn. Neur. N. Am. 218, 1861. Banks, Trans. Amer. Ent. Soc. xxix, 153, 1903.—E. S.
- sicheli* Fitch, 1st Rept. Ins. N. Y. 89, 1856.
- sulphurea* Fitch, *ibid.*
- robusta* Banks, Trans. Amer. Ent. Soc. xxxii, 5, 1905.—N. Car.
- ruflabris* Burm., Handb. ii, 979, 1839. Hagen, Syn. Neur. N. Am. 219, 1861. Banks, Trans. Amer. Ent. Soc. xxix, 152, 1903.—U. S.
- repleta* Walk., B. M. Cat. Neur. 244, 1853.
- attenuata* Walk., *ibid.*, 242.
- novæboracensis* 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.
- schwarzi* Banks, Trans. Amer. Ent. Soc. xxix, 146, 1903.—Ariz.
- 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.
- slossonæ* Banks, Ent. News, 1896, 95; Trans. Amer. Ent. Soc. xxix, 157, 1903.—N. S.

EREMOCHRYSA.

Banks, Trans. Amer. Ent. Soc. xxix, 158, 1903.

- californica* Banks, Trans. Amer. Ent. Soc. xxxii, 6, 1905.—Cal.
- 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.

CONIOPTERYGIDÆ.

CONWENTZIA.

Enderlein, Ber. Westpreuss. Bot.-Zool. Ver. xxvi, xxvii, 10, 1905.

hageni Banks, Proc. Ent. Soc. Wash. viii, 82, 1907.—E. S.

ALEUROPTERYX.

Löw, SB. Akad. Wiss. Wien. math-nat. Cl. lxli, abt. 1, 79, 1885.

walshi Banks, Proc. Ent. Soc. Wash. viii, 83, 1907.—Mich.

PARASEMIDALIS.

Enderlein, Wien. Ent. Zeit. 1905, 197.

flaviceps Banks, Proc. Ent. Soc. Wash. viii, 81, 1907.—Cal.

CONIOPTERYX.

Curtis, Brit. Ent. pl. 528, 1834.

Semidalis Enderlein, Wien. Ent. Zeit. xxiv, 197, 1905.

angustus Banks, Proc. Ent. Soc. Wash. viii, 81, 1907.—Cal.

vicina Hag., Syn. Neur. N. Am. 197, 1861. Banks, Proc. Ent. Soc. Wash. viii, 80, 1907.—E. S.

MALACOMYZA.

Wesmael, Bull. Acad. Sci. Bruxelles, iii, 166, 1836.

Aleuronia Fitch, 1st Rept. Ins. N. Y. 98, 1856.

farinosa Banks, Proc. Ent. Soc. Wash. viii, 85, 1907.—Cal.

fitchi Banks, Trans. Amer. Ent. Soc. xxii, 315, 1895 (*Coniopteryx*); Proc. Ent. Soc. Wash. viii, 84, 1907.—Colo., Kans.

westwoodi Fitch, 1st Rept. Ins. N. Y. 98, 1856. Hagen, Syn. Neur. N. A. 196, 1861 (*Aleuronia*). Banks, Proc. Ent. Soc. Wash. viii, 84, 1907.—E. S.

MYRMELEONIDÆ.

ACANTHACLISIS.

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.

texana Hagen, Can. Entom. 1887, 147.—S. W. S.

PARANTHACLISIS.

Banks, Ent. News, 1907, 275.

congener Hagen, Syn. Neur. N. A. 224, 1861; Can. Ent. 1887, 153.—S. W. S.

hageni Banks, Ent. News, 1899, 170.—S. W. S.

MYRMELEON.

Linné, Syst. Nat. xii, 913, 1767.

crudelis Walk., B. M. Cat. Neur. 388, 1853; Hagen, Syn. Neur. N. A. 232, 1861.—U. S.

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.
gratus Say, Journ. Acad. Phila. viii, 45, 1839 (*Formicaleo*). LeConte Ed. ii, 413, 1859. Hagen, Syn. Neur. N. A. 225, 1861.—S. S.
roseipennis Burm., Handb. ii, 995, 1839.
snowli Banks, Ent. News, 1907, 100.—Ariz.

DENDROLEON.

- Brauer, Verh. zool.-bot. Ges. Wien, xvi, 985, 1866.
obsoletum Say, Journ. Acad. Phila. viii, 44, 1839 (*Formicaleo*). LeConte Ed. ii, 413, 1859. Hagen, Syn. Neur. N. A. 225, 1861. Can. Ent. 1888, 186.
—U. S.
ocellatus Burm., Handb. ii, 995, 1839.
nigrocinctus Rambr., Hist. nat. Neuropt. 398, 1842.—U. S.
pumilis Burm., Handb. ii, 995, 1839 (*Myrmeleon*). Taschenbg., Zeitschr. ges. Naturwiss. lii, 212, 1879. Banks, Journ. N. Y. Ent. Soc. 1903, 240.
—S. S.
speciosum Banks, Trans. Amer. Ent. Soc. xxxii, 7, 1906.—Colo.

EREMOLEON.

- Banks, Trans. Amer. Ent. Soc. xxvii, 366, 1901.
macr 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.
carrizonus Hag., Can. Ent. 1888, 93. Banks, Proc. Ent. Soc. Wash. v, 175, 1903.
 —W. S.
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.
ferox Walk., B. M. Cat. Neur. 332, 1853 (*Myrmeleon*). Hagen, Syn. Neur. N. A.
 229, 1861. Banks, Proc. Ent. Soc. Wash. v, 175, 1903.—W. S.
peregrinus Hagen, Syn. Neur. N. A. 234, 1861; Can. Ent. 1888, 59.—W. S.
hubbardi Currie, Can. Ent. 1898, 241.—W. S.
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.
longicaudus Burm., Handb. ii, 994, 1839 (*Myrmeleon*). Hagen, Syn. Neur. N.
 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.
schwarzi Currie, Proc. Ent. Soc. Wash. v, 280, 1903.—Ariz.
singularis Currie, Proc. Ent. Soc. Wash. v, 284, 1903.—Ariz.
tenuis Banks, Trans. Amer. Ent. Soc. xxv, 204, 1899.—N. Mex.
texanus Banks, Proc. Ent. Soc. Wash. v, p. 175, 1903.—S. W. S.
intermedius Currie, Proc. Ent. Soc. Wash. v, 283, 1903.
tuberculatus Banks, Can. Ent. 1899, 70; Currie, *ibid.*, 361.—N. Mex., Ariz.
versutus Walk., B. M. Cat. Neur. 331, 1853 (*Myrmeleon*). Hag., Can. Ent. 1888,
 37.—S. W. S.
yavapai Currie, Proc. Ent. Soc. Wash. v, 281, 1903.—Ariz.

CALINEMURUS.

Banks, Can. Ent. 1899, 70.

fuscus Banks, Trans. Amer. Ent. Soc. xxxii, 6, 1906.—Ariz.

CRYPTOLEON.

Banks, Can. Ent. 1901, 330.

Maracanda Hag., Can. Ent. 1887, 212 [not McLach.].

nebulosum Oliv., Encycl. 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.

Currie, Proc. Ent. Soc. Wash. iv, 136, 1901.

bellula Banks, Trans. Amer. Ent. Soc. xxxii, 7, 1906.—S. W. S.

pygmaeus Currie, Proc. Ent. Soc. Wash. iv, 136, 1901 (nec. Hag.).—S. W. S.

ASCALAPHIDÆ.**NEUROPTYNX.**

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.

furciger McLach., Trans. Ent. Soc. Lond. 1891, 509.—Ariz.

juvenilis McLach., Journ. Linn. Soc. Lond. Zool. xi, 239, 1871.—Tex.

ULULODES.

Currie, Smith's Ins. N. Jer. 57, 1899.

Ulula Rambr., Neuropt. 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. Neuropt. 360, 1842.

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

Suborder MECAPTERA Packard.

PANORPIDÆ.

PANORPA.

Linn., Syst. Nat. Ed. x, 552, 1758.

americana Swed., Kgl. Vetensk. Acad. Handl. viii, 279, 1787. Westw., Trans. Ent. Soc. Lond. iv, 189, 1846. Hagen, Syn. Neur. N. Am. 242, 1861. Hine, Bull. Sci. Lab. Denison Univ. xi, 250, 1901.—S. S.

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.

claripennis Hine, Bull. Sci. Lab. Denison Univ. xi, 252, 1901.—Can.

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.

scorpio Fabr., Ent. Syst. ii, 97, 1793.

maculosa Hagen, Syn. Neur. N. Am. 245, 1861. Hine, Bull. Sci. Lab. Denison Univ. xi, 247, 1901.—E. S.

nebulosa Westw., Trans. Ent. Soc. Lond. iv, 188, 1846; Hag., Syn. Neur. N. A. 243, 1861. Hine, Bull. Sci. Lab. Denison Univ. xi, 247, 1901.—E. S.

rufa Gray, Griffith Anim. Kingd. Ins. xv, 323, 1833. Hine, Bull. Sci. Lab. Denison Univ. xi, 246, 1901. Banks, Ent. News, 1904, 171.—S. S.

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.

subfurcata Westw., Trans. Ent. Soc. Lond. iv, 191, 1846. Hagen, Syn. Neur. N. Am. 244, 1861. Hine, Bull. Sci. Lab. Denison Univ. xi, 249, 1901.—N. S.

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.

PANORPODES.

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.

oregonensis McLachlan, Ent. Mo. Mag. xviii, 37, 1881. Hine, Bull. Sci. Lab. Denison Univ. xi, 253, 1901.—Oreg., Wash.

BOREUS.

Latreille, Fam. Nat. 435, 1825.

- brumalis* Fitch, Amer. Journ. Agric. v, 278, 1847. Hag., Syn. Neur. N. A. 240, 1861. Hine, Bull. Sci. Lab. Denison Univ. xi, 255, 1901.—N. S.
californicus Pack., Proc. Bost. Soc. Nat. Hist. viii, 408, 1871. Hine, Bull. Sci. Lab. Denison Univ. xi, 255, 1901.—Cal.
nivoriundus 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.

BITTACUS.

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, Jour. 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.
pallidipennis Westw. Trans. Ent. Soc. Lond. iv, 195, 1846.—E. S.
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.

MEROPE.

Newman, Ent. Mag. v, 180, 1838.

- 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.

Order TRICHOPTERA Kirby.

PHRYGANEIDÆ.

PHRYGANEÆ.

Linne, Syst. Nat. x, Ed. 547, 1758.

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

- californica* Banks, Proc. Ent. Soc. Wash. viii, 117, 1907.—Cal.

- 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.

NEURONIA.

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.

AGRYPNETES.

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

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

LIMNEPHILIDÆ.

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.

Chaetotaulius Kolenati, Gen. et Sp. Trich. i, 41, 1848.

Goniotauius Kolenati, *ibid.*, 48, 1848.

americanus Banks, Trans. Amer. Ent. Soc. xxvi, 253, 1900.—N. S.

coloradensis Banks, Trans. Amer. Ent. Soc. xxv, 208, 1899.—Colo.

combinatus Walk., B. M. Cat. Neur. 28, 1852. Hagen, Syn. Neur. N. Am. 255, 1861.—N. S.

concolor Banks, Trans. Amer. Ent. Soc. xxv, 207, 1899.—N. W. S.

consimilis Banks, Trans. Amer. Ent. Soc. xxvi, 253, 1900.—Colo.

despectus Walk., B. M. Cat. Neur. 31, 1852. Hag., Syn. Neur. N. A. 259, 1861.

McLach., Revis. Eur. Trich. 90, 1875.—N. S.

multifarius Walk., *ibid.*, 32.

perforatus Walk., *ibid.*, 33 (part).

externus Hagen, Syn. Neur. N. A. 257, 1861.—N. S.

extractus Walk., B. M. Cat. Neur. 34, 1852. Hagen, Syn. Neur. N. Am. 260, 1861.—N. S.

femoralis Kirby, Fann. Bor. Amer. 253, 1837. Hagen, Syn. Neur. N. Am. 260, 1861 = *nebulosus* Kirby ?—B. Am.

gravidus Hagen, Syn. Neur. N. A. 257, 1861.—N. W. S.

harrimanii Banks, Proc. Wash. Acad. Sci. ii, 468, 1900.—Alaska.

hyalinus Hagen, Syn. Neur. N. A. 258, 1861.—N. S.

indivisus Walk., B. M. Cat. Neur. 34, 1852. Hagen, Syn. Neur. N. Am. 260, 1861.—U. S.

subguttatus Walk., *ibid.*, 34, 1852.

kincaidi Banks, Proc. Wash. Acad. Sci. ii, 468, 1900.—Alaska.

luteolus Banks, Trans. Amer. Ent. Soc. xxv, 207, 1899.—N. W. S.

nebulosus Kirby, Fann. Bor. Amer. 253, 1837. McLachlan, Revis. Eur. Trich. 71, 1875.—N. S.

- stipatus* Walk., B. M. Cat. Neur. 29, 1852.
subpunctulatus Hagen, Syn. Neur. N. A. 261, 1861 (nec. Zett.).
peforatus Walk., ibid., 33 (part).
 (?) *femoralis* Kirby, ibid., 253.
ornatus Banks, Trans. Amer. Ent. Soc. xxiv, 27, 1897.—N. E. S.
oslari Banks, Proc. Ent. Soc. Wash. viii, 121, 1907.—Colo.
partitus Walk., B. M. Cat. Neur. 32, 1852.—N. S.
perjurus Hagen, Syn. Neur. N. A. 258, 1861.—Alaska.
plaga Walk., B. M. Cat. Neur. 35, 1852. Hag., Syn. Neur. N. A. 263, 1861.—N. S.
radiatus Say, Long's Exped. ii, 308, 1824 (*Phryganea*); Hagen, Syn. Neur. N. A. 256, 1861. Banks, Trans. Amer. Ent. Soc. xxv, 206, 1899.—N. S.
sericeus Say, Long's Exped. ii, 309, 1824 (*Phryganea*). Hag., Syn. Neur. N. A. 256, 1861.—N. S.
sitchensis Kolen., Gen. et Sp. Trich. ii, 276, 1859. Ulmer, Stett. Ent. Zeit. 1905, 7.—N. W. S.
pacificus Banks, Trans. Amer. Ent. Soc. xxv, 207, 1899.
sublunatus Prov., Petite Faun. Canad. Neuropt. 131, 1883.—Can.
submonilifer Walk., B. M. Cat. Neur. 33, 1852. Hagen, Syn. Neur. N. A. 260, 1861.—U. S.
pudicus Hagen, ibid., 262, 1861.
vastus Hagen, Syn. Neur. N. A. 257, 1861 = *gravidus* ?—Alaska.

ANABOLINA.

- Banks, Proc. Ent. Soc. Wash. v, 244, 1903.
diversa Banks, Proc. Ent. Soc. Wash. v, 244, 1903.—Colo., N. Mex.

ANABOLIA.

- Stephens, Ill. Mand. vi, 229, 1837,
Stathmophorus Kolenati, Gen. et Sp. Trich. i, 60, 1848.
bimaculata Walk., B. M. Cat. Neur. 30, 1852 (*Limnephilus*). Hagen, Syn. Neur. N. A. 263, 1861. Ulmer, Ann. Naturhist. Hofmuseums Wien, xx, 61, 1905.—N. S.
sordida Hagen, Syn. Neur. N. A. 264, 1861.
brevipennis Banks, Trans. Amer. Ent. Soc. xxv, 209, 1899 (*Stenophylax*)—Colo.
decepta Banks, Trans. Amer. Ent. Soc. xxv, 208, 1899.—Wash.
montana Banks, Proc. Ent. Soc. Wash. viii, 119, 1907.—N. E. S.
simplex Banks, Proc. Wash. Acad. Sci. ii, 469, 1900 (*Asynarchus*).—Alaska.

COLPOTAULIUS.

- Kolenati, Gen. et Sp. Trich. i, 47, 1848.
consocia Walk., B. M. Cat. Neur. 33, 1852 (*Limnephilus*). Hagen, Syn. Neur. N. A. 264, 1861.—N. E. S.
medialis Banks, Trans. Amer. Ent. Soc. xxxii, 8, 1905.—N. S.
perpusillus Walk., B. M. Cat. Neur. 35, 1852 (*Limnephilus*). Hagen, Syn. Neur. N. A. 254, 1861.—N. S.

GLYPHOPSYCHE.

- Banks, Proc. Ent. Soc. Wash. vi, 140, 1904.
bellus Banks, Journ. N. Y. Ent. Soc. 1903, 241.—N. W. S.

- irrorata* Fabr., Spec. Insect, 389, 1781. Ulmer, Notes Leyden Mus. xxviii, 7, 1906. McLach., Trans. Ent. Soc. Lond. (3), i, 657, 1864.—N. S.
intercisis Walk., B. M. Cat. Neur. 30, 1852. Hagen, Syn. Neur. N. A. 268, 1861.
bryanti Banks, Proc. Ent. Soc. Wash. vi, 141, 1904.

ASYNARCHUS.

- McLachlan, Mon. Eur. Trich. Supp. ii, xxvi, 1880.
flavicollis Banks, Proc. Wash. Acad. Sci. ii, 470, 1900.—Alaska, B. Am.
fumosus Banks, Proc. Wash. Acad. Sci. ii, 470, 1900.—Alaska, Wash.
pacificus Banks, Trans. Amer. Ent. Soc. xxvi, 254, 1900 (*Stenophylax*).—Wash.

PLATYCENTROPUS.

- Ulmer, Stett. Ent. Zeit. 1905, 13.
maculipennis Kolen., Gen. et Sp. Trich. ii, 280, 1859. Ulmer, Stett. Ent. Zeit. 1905, 13.—N. E. S.
hostis Hagen, Syn. Neur. N. A. 266, 1861.—N. E. S.

HALESUS.

- Stephens, Ill. Mand. vi, 208, 1836.
amicus Hagen, Syn. Neur. N. A. 265, 1861.—La.
argus Harris, Entom. Corr. 333, 1869. Prov., Petite Faun. Canad. Néuropt. 133, 1883.—N. E. S.
formosus Banks, Trans. Amer. Ent. Soc. xxvi, 255, 1900.—Colo., N. Mex.
maculatus Banks, *ibid.*, xxx, 107, 1904.
indicans Walk., B. M. Cat. Neur. 23, 1852 (*Limnephilus*). Hagen, Syn. Neur. N. A. 258, 1861.—Ga.
indistinctus Walk., B. M. Cat. Neur. 37, 1852 (*Limnephilus*). Hag., Syn. Neur. N. A. 266, 1861.—N. E. S.
magnifica Banks, Trans. Amer. Ent. Soc. xxv, 209, 1899.—Wash.
mutatus Hag., Syn. Neur. N. A. 267, 1861.—Labr.

PYCNOPSYCHE.

- Banks, Trans. Amer. Ent. Soc. xxxii, 9, 1905.
guttifer Walk., B. M. Cat. Neur. 16, 1852. Hagen, Syn. Neur. N. A. 266, 1861.
 Ulmer, Notes Leyden Mus. xxviii, 24, 1906.—N. E. S.
scabripennis Ramb., Néuropt. 488, 1842 (*Limnephila*). Hagen, Syn. Neur. N. A. 265, 1861.—E. S.
antica Walk., B. M. Cat. Neur. 9, 1852 (*Neuronia*).
similis Banks, Proc. Ent. Soc. Wash. viii, 122, 1907.—Mich.

DICOSMÆCUS.

- McLachlan, Mon. Eur. Trich. 112, 1875.
atripes Hagen, Bull. Geol. Surv. Terr. 600, 1875 (*Platyphylax*). Ulmer, Ann. Naturhist. Hofmuseums Wien, xx, 63, 1905.—N. W. S.
gilvipes Hagen, Bull. Geol. Surv. Terr. 601, 1875 (*Stenophylax*).—N. W. S.
grandis Ulmer, Ann. Naturhist. Hofmuseums Wien, xx, 62, 1905.—W. S.
tristis Banks, Trans. Amer. Ent. Soc. xxvi, 254, 1900 (*Asynarchus*).—W. S.
coloradensis Ulmer, Ann. Naturhist. Hofmuseums Wien, xx, 64, 1905.
unicolor Banks, Trans. Amer. Ent. Soc. xxiv, 27, 1897 (*Anabolia*).—Wash.

STENOPHYLAX.

Kolenati, Gen. et Spec. Trich. i, 62, 1848.

- antennatus* Banks, Trans. Amer. Ent. Soc. xxvi, 254, 1900.—Wash.
divergens Walk., B. M. Cat. Neur. 30, 1852 (*Limnephilus*). Hagen, Syn. Neur. N. A. 255, 1861.—N. S.
gentilis McLachlan, Journ. Linn. Soc. Lond. Zool. xi, 108, 1871. Prov., Petite Faun. Canad. Neuropt. 133, 1883.—N. H., Can.
limbatus McLachlan, Journ. Linn. Soc. Lond. Zool. xi, 108, 1871.—Newfdl., N. H., Can.
modesta Hagen, Syn. Neur. N. A. 265, 1861.—N. S.
minusculus Banks, Proc. Ent. Soc. Wash. viii, 120, 1907.—Wash.

ALLOPHYLAX.

Banks, Proc. Ent. Soc. Wash. viii, 119, 1907.

- punctatissimus* Walk., B. M. Cat. Neur. 17, 1852 (*Hallesus*). Hag., Syn. Neur. N. A. 264, 1861.—N. S.

PLATYPHYLAX.

McLachlan, Journ. Linn. Soc. Zool. xi, 109, 1871.

- areolata* Walk., B. M. Cat. Neur. 267, 1852 (*Limnephilus*). Hagen, Syn. Neur. N. A. 267, 1861.—Can.
designata Walk., B. M. Cat. Neur. 24, 1852 (*Limnephilus*). Hagen, Syn. Neur. N. A. 269, 1861. Ulmer, Notes Leyden Mus. xxviii, 20, 1906.—N. S.
lepida Hagen, Syn. Neur. N. A. 269, 1861.—N. E. S.
subfasciata Say, Long's Exped. ii, 308, 1824 (*Phryganea*); Amer. Ent. iii, pl. 44, 1828; Complete Writings, i, 97, 1859. Hagen, Syn. Neur. N. Am. 269, 1861.—E. S.
circularis Prov., Nat. Can. ix, 260, 1877.

HOMOPHYLAX.

Banks, Trans. Amer. Ent. Soc. xxvi, 255, 1900.

- flavipennis* Banks, Trans. Amer. Ent. Soc. xxvi, 255, 1900.—Colo.
nevadensis Banks, Journ. N. Y. Ent. Soc. 1903, 242.—Nev.

PARACHIONA.

Thomson, Opuscula Entom. xv, 1592, 1891.

- Hypnotranus* Wallengren, Kgl. Svenska Vet.-Akad. Handl. xxiv, No. 10, 70, 1891.

- centralis* Banks, Trans. Amer. Ent. Soc. xxvi, 253, 1900 (*Asynarchus*).—Colo.
pallidus Banks, Journ. N. Y. Ent. Soc. 1903, 242 (*Asynarchus*).—Colo.
parvulus Banks, Trans. Amer. Ent. Soc. xxxii, 9, 1905 (*Stenophylax*).—N. H.
pilosa Banks, Proc. Ent. Soc. Wash. viii, 121, 1907.—Wash.
signatus Banks, Proc. Ent. Soc. Wash. viii, 120, 1907.—Idaho.

PHRYGANOMYIA.

Banks, Proc. Ent. Soc. Wash. viii, 122, 1907.

- alascensis* Banks, Proc. Wash. Acad. Sci. ii, 471, 1900 (*Asynarchus*).—Alaska.
obscura Banks, Proc. Ent. Soc. Wash. viii, 122, 1907.—Minn.

ECCLISOMYIA.

Banks, Proc. Ent. Soc. Wash. viii, 123, 1907.

conspersa Banks, Proc. Ent. Soc. Wash. viii, 123, 1907.—Wash.

maculosa Banks, Proc. Ent. Soc. Wash. viii, 123, 1907.—Colo.

HALESOCHILA.

Banks, Proc. Ent. Soc. Wash. viii, 119, 1907.

taylori Banks, Proc. Ent. Soc. Wash. vi, 140, 1904 (*Halesus*).—B. Col.

CHILOSTIGMA.

McLachlan, Mon. Eur. Trich. 187, 1876.

alascensis Banks, Proc. Wash. Acad. Sci. ii, 471, 1900 (*Halesus*).—Alaska.

difficilis Walk., B. M. Cat. Neur. 34, 1852 (*Limnephilus*). Hagen, Syn. Neur. N. A. 268, 1861.—E. S.

coagulata Prov., Pet. Faun. Canad. Néuropt. 136, 1883.

pallida Banks, Trans. Amer. Ent. Soc. xxv, 209, 1899.—N. Y.

præterita Walk., B. M. Cat. Neur. 32, 1852 (*Limnephilus*). Hagen, Syn. Neur. N. A. 268, 1861. McLach., Monog. Eur. Trich. Supp. 42, 1880.—N. S.

CHLEOPTERYGOPSIS.

Stein, Stett. Ent. Zeit. 1874, 249.

parvula Banks, Trans. Amer. Ent. Soc. xxvi, 256, 1900.—N. Jer.

NEOPHYLAX.

McLachlan, Journ. Linn. Soc. Lond. Zool. xi, 111, 1871.

concinnum McLach., Journ. Linn. Soc. Lond. Zool. xi, 111, 1871. Prov., Petite Faun. Canad. Néuropt. 134, 1883.—N. E. S.

fuscus Banks, Journ. N. Y. Ent. Soc. 1903, 242.—N. H., Mich.

OLIGOPHLEBODES.

Ulmer, Ann. Naturhist. Hofmuseums Wien, xx, 66, 1905.

minutus Banks, Trans. Am. Ent. Soc. xxiv, 28, 1897 (*Halesus*).—Colo., N. Mex.

coloradensis Ulmer, Ann. Naturhist. Hofmuseums Wien, xx, 66, 1905.

POTAMORITES.

McLachlan, Stett. Ent. Zeit. 1867, 54.

virginica Banks, Trans. Amer. Ent. Soc. xxvi, 256, 1900.—Va.

PSILOPTERYX.

Stein, Stett. Ent. Zeit. 1874, 250.

brevipennis Banks, Trans. Amer. Ent. Soc. xxx, 108, 1904.—N. Mex.

APATANIA.

Kolenati, Gen. et Sp. Trich. i, 75, 1848.

hirtipes Curt., App. Ross's 2nd Voy. Nat. Hist. 64, 1835 (*Tinodes*). Wieg. Arch.

Natarges. ii (1), 288, 1836. Hag., Syn. Neur. N. A. 295, 1861.—B. Am.

incerta Banks, Trans. Amer. Ent. Soc. xxiv, 28, 1897 (*Enoicyla*).—N. E. S.

nigra Walk., B. M. Cat. Neur. 83, 1852 (*Potamaria*). Hagen, Syn. Neur. N. Am. 270, 1861.—Can.

pallida Hagen, Syn. Neur. N. A. 270, 1861.—Can.
stigmatella Zett., Ins. Lapp. 1066, 1840. McLach., Riv. Eur. Trich. 213, 1876.
 —Can.

frigida McLach., Stett. Ent. Zeit. 1867, 57.

tripunctata Banks, Proc. Wash. Acad. Sci. ii, 472, 1900.—N. W. S.

RHYACOPHILIDÆ.

RHYACOPHILA.

Pictet, Rechérch. 181, 1834.

Crunophila Kolenati, Gen. et Sp. Trich. ii, 193, 1858.

coloradensis Banks, Trans. Amer. Ent. Soc. xxxii, 10, 1905.—N. Mex., Colo.

stigmatica Banks, ibid., xxx, 108, 1904 (nec Kol., 1858).

fuscata Walk., B. M. Cat. Neur. 10, 1852 (*Neuronia*). Hagen, Syn. Neur. N. A. 295, 1861.—N. E. S.

glaberrima Ulmer, Coll. Selys, vi, 85, 1907.—Ga.

hyalinata Banks, Trans. Amer. Ent. Soc. xxxii, 10, 1905.—Colo.

nigrita Banks, Proc. Ent. Soc. Wash. viii, 132, 1907.—N. Car.

pacifica Banks, Trans. Amer. Ent. Soc. xxii, 316, 1895.—Wash.

soror (Hag.) Prov., Petite Faun. Canad. Nèuropt. 142, 1883 (addit.).—Can.

terminata Banks, Proc. Ent. Soc. Wash. viii, 132, 1907.—N. Jer.

torva Hagen, Syn. Neur. N. A. 296, 1861.—E. S.

GLOSSOSOMA.

Curtis, Phil. Mag. 1834, 216.

alascensis Banks, Proc. Wash. Acad. Sci. ii, 472, 1900.—Alaska.

americana Banks, Trans. Amer. Ent. Soc. xxiv, 31, 1897.—N. H.

parvula Banks, Trans. Amer. Ent. Soc. xxx, 108, 1904.—N. Mex.

ventralis Banks, Trans. Amer. Ent. Soc. xxx, 109, 1904.—N. Mex.

AGARODES.

Banks, Trans. Amer. Ent. Soc. xxv, 217, 1899.

grisea Banks, Trans. Amer. Ent. Soc. xxv, 218, 1899.—N. Y.

CHIMARRIA.

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

angustipennis Banks, Proc. Ent. Soc. Wash. v, 242, 1903.—Ariz.

aterrima Hagen, Syn. Neur. N. A. 297, 1861.—E. S.

socia Hagen, Syn. Neur. N. A. 297, 1861.—E. S.

AGAPETUS.

Curtis, Phil. Mag. 1834, 217.

celatus McLach., Journ. Linn. Soc. Lond. Zool. xi, 139, 1871.—Cal.

tenebrosus Walk., B. M. Cat. Neur. 134, 1852 (*Hydroptila*). Hagen, Syn. Neur. N. A. 274, 1861.—Can.

SERICOSTOMATIDÆ.

SERICOSTOMA.

Latreille, Fam. Nat. 437, 1825.

Potamaria Steph., Cat. 318, 1832.

Prosoponia Steph., Cat. 329, 1832.

crassicornis Walk., B. M. Cat. Neur. 113, 1852 (*Hydropsyche*). Hag., Syn. Neur. N. A. 271, 1861.—Ga.

NOTIDOBIA.

Stephens, Ill. Mand. vi, 185, 1836.

- americana* Banks, Trans. Amer. Ent. Soc. xxvi, 256, 1900.—Va.
assimilis Banks, Proc. Ent. Soc. Wash. viii, 124, 1907.—Cal.
distincta Ulmer, Ann. Naturhist. Hofmuseums Wien, xx, 67, 1905.—Me.
griseola McLach., Journ. Linn. Soc. Lond. Zool. xi, 112, 1871.—Cal.
nigricula McLach., Journ. Linn. Soc. Lond. Zool. xi, 113 1871.—Cal.

BRACHYCENTRUS.

Curtis, Phil. Mag. 1834, 215.

- Sphinctogaster* Prov., Nat. Can. ix, 261, 1877.
Pogonostoma Rambr., Néuropt. 489, 1842.
fuliginosus Walk., B. M. Cat. Neur. 88, 1852. Hagen, Syn. Neur. N. Am. 272, 1861.—Prov., Petite Faun. Canad. Néuropt. 138, 1883.—E. S.
incanus Hag., Syn. Neur. N. A. 272, 1861.
lateralis Say, West. Quart. Rept. ii, 161, 1823 (*Phryganea*); Complete Writings, i, 171, 1859. Hagen, Syn. Neur. N. A. 274, 1861.—Ky.
lutescens Prov., Nat. Canad. ix, 261, 1877. Petite Faun. Can. Néuropt. 137, 1883. Banks, Trans. Amer. Ent. Soc. xxxii, 12, 1905.—Can., N. Y.
nigrisoma Banks, Trans. Amer. Ent. Soc. xxxii, 12, 1905.—N. Y., Va.
numerosum Say, West. Quart. Rept. ii, 160, 1823 (*Phryganea*); Complete Writings, i, 170, 1859. Hagen, Syn. Neur. N. A. 273, 1861.—Ind.
signatus Fabr., Spec. Insect. i, 389, 1781; Mant. Ins. i, 245, 1785. McLachlan, Trans. Ent. Soc. Lond. 1864 (3), i, 658.—N. Am.
similis Banks, Proc. Ent. Soc. Wash. viii, 124, 1907.—Colo.

ATOMYIA.

Banks, Trans. Amer. Ent. Soc. xxxii, 11, 1905.

- modesta* Banks, Bull. Amer. Mus. Nat. Hist. xxi, 217, 1905; Trans. Amer. Ent. Soc. xxxii, 12, 1905.—N. Car.

OLIGOPLECTRUM.

McLachlan, Trans. Ent. Soc. Lond. 1868, 297.

- Dasystoma* Rambr., Néuropt. 491, 1842 (preoc.).
americanum Banks, Trans. Amer. Ent. Soc. xxv, 210, 1899.—N. H.
rusticum Hag., Stett. Ent. Zeit. 1868, 272.—B. Am.

SILO.

Curtis, Ent. Mag. i, 188, 1833.

- Trichostoma* Pict., Recherch. 172, 1834.
Aspatherium Kolenati, Gen. et Sp. Trich. i, 96, 1848.
griseus Hagen, Syn. Neur. N. A. 273, 1861.—N. Y.

GOERA.

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

- calcarata* Banks, Trans. Amer. Ent. Soc. xxv, 211, 1899.—N. Y.
fuscula Banks, Bull. Amer. Mus. Nat. Hist. xxi, 216, 1905; Trans. Amer. Ent. Soc. xxxii, 11, 1905.—N. Car.

MICRASEMA.

McLachlan, Mon. Rev. Eur. Trich. 259, 1876.

scissum McLach., First Add. Supp. Eur. Trich. 26, 1884.—Alaska.

HELICOPSYCHE.

Hagen, Ent. Mo. Mag. ii, 252, 1866.

annulicornis Banks, Proc. Ent. Soc. Wash. vi, 212, 1904.—Md., N. J.

arizonensis Banks, Proc. Ent. Soc. Wash. viii, 125, 1907.—Ariz.

borealis Hagen, Syn. Neur. N. A. 271, 1861 (*Notidobia*); Ent. Mo. Mag. ii, 253, 1866.—E. S.

glabra Hagen, Stett. Ent. Zeit. 1864, 130 (case).

californica Banks, Trans. Amer. Ent. Soc. xxv, 210, 1899.—Cal.

NOTIOPSYCHE.

Banks, Trans. Amer. Ent. Soc. xxxii, 11, 1905.

latipennis Banks, Bull. Amer. Mus. Nat. Hist. xxi, 216, 1905; Trans. Amer. Ent. Soc. xxxii, 11, 1905.—N. Car.

OLEMIRA.

Banks, Trans. Amer. Ent. Soc. xxiv, 29, 1897.

americana Banks, Trans. Amer. Ent. Soc. xxiv, 29, 1897.—N. Y.

pictilis Banks, Trans. Amer. Ent. Soc. xxv, 211, 1899 (*Mormonia*).—N. H.

MORMOMYIA.

Banks, Proc. Ent. Soc. Wash. viii, 127, 1907.

vernalis Banks, Trans. Amer. Ent. Soc. xxiv, 29, 1897 (*Mormonia*).—N. Y.

THREMMA.

McLachlan, Rev. Monog. Eur. Trich. 265, 1876.

deceptiva Banks, Proc. Ent. Soc. Wash. viii, 125, 1907.—N. Mex.

LEPIDOSTOMA.

Rambur, Néuropt. 493, 1842.

Pristosilo Banks, Trans. Amer. Ent. Soc. xxv, 213, 1899.

Mormonia Curtis, Phil. Mag. 1834, 215 (preoc.).

cinereus Banks, Trans. Amer. Ent. Soc. xxv, 210, 1899 (*Silo*).—Cal.

pallidus Banks, Trans. Amer. Ent. Soc. xxiv, 29, 1897 (*Silo*).—N. Y.

stigma Banks, Proc. Ent. Soc. Wash. viii, 125, 1907.—Colo.

togata Hag., Syn. Neur. N. A. 273, 1861.—E. S.

canadensis Banks, Trans. Amer. Ent. Soc. xxv, 213, 1899 (*Pristosilo*).

NOSOPUS.

McLachlan, Journ. Linn. Soc. Lond. Zool. xi, 114, 1871.

podager McLach., Journ. Linn. Soc. Lond. Zool. xi, 116, 1871.—Cal.

CALAMOCERATIDÆ.**NOTIOMYIA.**

Banks, Trans. Amer. Ent. Soc. xxxii, 18, 1905.

mexicana Banks, Trans. Amer. Ent. Soc. xxvi, 257, 1900; Trans. Amer. Ent. Soc. xxxii, 18, 1905.—Ariz.

HETEROPLECTRON.

McLachlan, Journ. Linn. Soc. Lond. Zool. xi, 123, 1871.

borealis Prov., Nat. Can. ix, 263, 1877; Petite Faun. Canad. Neuropt. 139, 1883.

—N. E. S.

californicum McLach., Journ. Linn. Soc. Lond. Zool. xi, 125, 1871.—Cal.

dissimilis Banks, Trans. Amer. Ent. Soc. xxiv, 30, 1897.—E. S.

ANISCENTROPUS.

McLachlan, Trans. Ent. Soc. Lond. (3), i, 492, 1863.

fuscus Banks, Trans. Amer. Ent. Soc. xxxii, 19, 1905.—Ariz.

latifascia Walk., B. M. Cat. Neur. 90, 1852 (*Notidobia*). Hagen, Syn. Neur. N.

A. 279, 1861. McLach., Tr. Ent. Soc. Lond. (3), i, 495, 1863.—N. Am.

elegans Walk., *ibid.*, 95, 1852 (*Goera*).

GANONEMA.

McLachlan, Trans. Ent. Soc. Lond. (3), v, 253, 1866.

americana Walk., B. M. Cat. Neur. 85, 1852 (*Sericostoma*). Hagen, Syn. Neur.

N. A. 270, 1861. Ulmer, Notes Leyden Mus. xxviii, 47, 1906.—Ga.

pyraloides Walk., B. M. Cat. Neur. 90, 1852 (*Notidobia*). Hagen, Syn. Neur. N.

A. 271, 1861. McLachlan, Trans. Ent. Soc. Lond. (3), i, 495, 1863.

Ulmer, Notes Leyden Mus. xxviii, 48, 1906.—Ga.

ODONTOCERIDÆ.**PSILOTRETA.**

Banks, Trans. Amer. Ent. Soc. xxv, 213, 1899.

frontalis Banks, Trans. Amer. Ent. Soc. xxv, 213, 1899.—N. Y.

MARILIA.

Ulmer, Stett. Ent. Zeit. 1905, 23.

flexuosa Ulmer, Ann. Naturhist. Hofmuseums Wien, xx, 70, 1905.—Tex.

NEROPHILUS.

Banks, Trans. Amer. Ent. Soc. xxv, 211, 1899.

californicus Hagen, Syn. Neur. N. A. 272, 1861 (*Silo*).—W. S.

oregonensis Banks, Trans. Amer. Ent. Soc. xxv, 212, 1899.

NAMAMYIA.

Banks, Trans. Amer. Ent. Soc. xxxii, 10, 1905.

plutonis Banks, Trans. Amer. Ent. Soc. xxxii, 10, 1905.—Cal.

LEPTOCERIDÆ.**BERÆA.**

Stephens, Ill. Mand. vi, 158, 1836.

Thya Curtis, Phil. Mag. 1834, 216 (preoc.).

nigritta Banks, Trans. Amer. Ent. Soc. xxiv, 31, 1897.—N. S.

obscura Walk., B. M. Cat. Neur. 121, 1852. Hagen, Syn. Neur. N. A. 297, 1861.

—Can.

viridiventris Say, West. Quart. Rept. ii, 160, 1823 (*Phryganea*); Complete Writings. i, 170, 1859. Hagen, Syn. Neur. N. A. 296, 1861.—Ohio.

MOLANNA.

Curtis, Phil. Mag. 1834, 214.

Nais, Rambr., Neuropt. 504, 1842.*cinerea* Hag., Syn. Neur. N. A. 276, 1861.—E. S.*inconspicua* Walk., B. M. Cat. Neur. 71, 1852 (*Leptocerus*). Hagen, Syn. Neur.

N. A. 275, 1861.—Ga.

rufa Hag., Syn. Neur. N. A. 276, 1861.—N. Y.**LEPTOCERUS.**

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

albostrictus Hag., Syn. Neur. N. A. 276, 1861.—N. Am.*dilutus* Hag., Syn. Neur. N. A. 277, 1861.—E. S.*flavus* Banks, Proc. Ent. Soc. Wash. vi, 212, 1904.—D. C.*floridanus* Banks, Journ. N. Y. Ent. Soc. 1903, 242.—Fla.*immobilis* Hag., Syn. Neur. N. A. 283, 1861.—Can.*indecisus* Walk., B. M. Cat. Neur. 95, 1852 (*Goera*). Hagen, Syn. Neur. N. Am.

279, 1861.—Can., N. Y.

maculatus Banks, Trans. Amer. Ent. Soc. xxv, 214, 1899.—Va., D. C.*mentiens* Walk., B. M. Cat. Neur. 71, 1852. Hagen, Syn. Neur. N. Am. 278,

1861.—E. S.

lugens Hagen, *ibid.*, 276.*resurgens* Walk., B. M. Cat. Neur. 70, 1852. Hagen, Syn. Neur. N. Am. 282,

1861.—E. S.

cinerascens Hag., Syn. Neur. N. A. 282, 1861.*submacula* Walk., B. M. Cat. Neur. 70, 1852. Hagen, Syn. Neur. N. Am. 278,

1861. Ulmer, Notes Leyden Mus. xxviii, 35, 1906.—Can.

transversa Hag., Syn. Neur. N. A. 279, 1861.—D. C., Va.*variegatus* Hag., Syn. Neur. N. A. 278, 1861.—Ill.**TRIENODES.**

McLachlan, Trans. Ent. Soc. Lond. 1865, 110.

borealis Banks, Trans. Amer. Ent. Soc. xxvi, 257, 1900.—Minn.*flavescens* Banks, Trans. Amer. Ent. Soc. xxvi, 257, 1900.—N. J., Fla.*frontalis* Banks, Proc. Ent. Soc. Wash. viii, 127, 1907.—Colo.*grisea* Banks, Trans. Amer. Ent. Soc. xxv, 214, 1899.—Colo.*ignita* Walk., B. M. Cat. Neur. 72, 1852 (*Leptocerus*). Hagen, Syn. Neur. N. Am.

281, 1861.—E. S.

inconspicua Walk., B. M. Cat. Neur. 71, 1852 (part).*injusta* Hag., Syn. Neur. N. A. 283, 1861 (*Setodes*).—N. S.**LEPTOCELLA.**

Banks, Trans. Amer. Ent. Soc. xxv, 214, 1899.

albida Walk., B. M. Cat. Neur. 71, 1852 (*Leptocerus*). Hagen, Syn. Neur. N. A.

283, 1861.—N. S.

nivea Hag., Syn. Neur. N. A. 281, 1861 (*Setodes*).*coloradensis* Banks, Trans. Amer. Ent. Soc. xxv, 215, 1899.—Colo.*exilis* Banks, Trans. Amer. Ent. Soc. xxxii, 19, 1905.—N. Mex., Col.*gracilis* Banks, *ibid.*, xxx, 110, 1904 (nec Banks, 1901).

exquisita Walk., B. M. Cat. Neur. 72, 1852 (*Leptocerus*). Hag., Syn. Neur. N. A. 280, 1861. Ulmer, Ann. Naturhist. Hofmus. Wien, xx, 73, 1905.—U. S. *minuta* Banks, Trans. Amer. Ent. Soc. xxvi, 257, 1900.—Wash. *pavida* Hag., Syn. Neur. N. A. 282, 1861 (*Setodes*).—D. C., Md. *piffardi* McLach., Ent. Ann. 1863, 160. Prov., Nat. Canad. ix, 265, 1877.—Can. *texana* Banks, Trans. Amer. Ent. Soc. xxxii, 19, 1905.—Tex. *uwarowii* Kolen., Gen. et Sp. Trich. ii, 249, 1859 (*Mystacides*).—U. S. *candida* Hag., Syn. Neur. N. A. 280, 1861.

ŒCETINA.

Banks, Trans. Amer. Ent. Soc. xxv, 215, 1899.

apicalis Banks, Proc. Ent. Soc. Wash. viii, 129, 1907.—Tex. *avara* Banks, Trans. Amer. Ent. Soc. xxii, 316, 1895.—N. S. *flaveolata* Hag., Syn. Neur. N. A. 282, 1861 (*Setodes*).—D. C., La. *flavida* Banks, Trans. Amer. Ent. Soc. xxv, 216, 1899.—Fla. *floridana* Banks, Trans. Amer. Ent. Soc. xxv, 216, 1899.—Fla. *fumosa* Banks, Trans. Amer. Ent. Soc. xxv, 216, 1899.—D. C., Va. *guttata* Banks, Trans. Amer. Ent. Soc. xxvi, 257, 1900.—N. J., Md. *incerta* Walk., B. M. Cat. Neur. 71, 1852 (*Leptocerus*). Hagen, Syn. Neur. N. A. 278, 1861.—U. S. *micans* Hag., Syn. Neur. N. A. 283, 1861 (*Setodes*). *inornata* Banks, Proc. Ent. Soc. Wash. viii, 128, 1907.—Ariz. *parvula* Banks, Trans. Amer. Ent. Soc. xxv, 215, 1899.—D. C., Md., Va. *persimilis* Banks, Proc. Ent. Soc. Wash. viii, 129, 1907.—N. Y., Md. *sagitta* Hag., Syn. Neur. N. A. 284, 1861 (*Setodes*).—Fla.

MYSTACIDES.

Latreille, Fam. Nat. 439, 1825.

nigra Linn., Syst. Nat. Ed. x, 549, 1758. Hagen, Syn. Neur. N. Am. 277, 1861. McLach., Rev. Mon. Eur. Trich. 314, 1877.—N. S. *punctata* Banks, Ent. News, 1894, 179.—E. S. *sepulchralis* Walk., B. M. Cat. Neur. 70, 1852. Ulmer, Notes Leyden Mus. xxviii, 39, 1906.—E. S.

SETODES.

Rambur, Néuropt. 515, 1842.

americana Banks, Trans. Amer. Ent. Soc. xxv, 215, 1899.—D. C. *autumnalis* Banks, Proc. Ent. Soc. Wash. viii, 128, 1907.—Md. *floridana* Banks, Trans. Amer. Ent. Soc. xxxii, 19, 1905.—Fla. *grandis* Banks, Proc. Ent. Soc. Wash. viii, 128, 1907.—Va., Conn. *vernalis* Banks, Proc. Ent. Soc. Wash. viii, 127, 1907.—Md.

SETODINA.

Banks, Proc. Ent. Soc. Wash. viii, 129, 1907.

parva Banks, Proc. Ent. Soc. Wash. viii, 130, 1907.—Fla.

HYDROPSYCHIDÆ.

MACRONEMA.

Pictet, Mém. Soc. Phys. Hist. Nat. Genève, vii, 399, 1836.

polygrammaticum McLach., Journ. Linn. Soc. Lond. Zool. xi, 129, 1871.—Pa. (?)

transversa Walk., B. M. Cat. Neur. 114, 1852. Hagen, Syn. Neur. N. Am. 289, 1861. Ulmer, Notes Leyden Mus. xxviii, 77, 1906.—Ga., Md.
zebrata Hagen, Syn. Neur. N. A. 285, 1861.—E. S.

POTAMYIA.

Banks, Trans. Amer. Ent. Soc. xxvi, 259, 1900.

flava Hagen, Syn. Neur. N. A. 285, 1861 (*Macronema*).—Mo., Ind.

HYDROPSYCHE.

Pictet, Recherch. 199, 1834.

Hydropsychodes Ulmer, Ann. Soc. Ent. Belg. 1905, 34.

alternans Walk., B. M. Cat. Neur. 104, 1852. Hagen, Syn. Neur. N. Am. 288, 1861.—E. S.

indecisa Walk., B. M. Cat. Neur. 104, 1852.

morosa Hagen, Syn. Neur. N. A. 287, 1861.

analís Banks, Journ. N. Y. Ent. Soc. 1903, 243.—E. S.

bifida Banks, Trans. Amer. Ent. Soc. xxxii, 15, 1905.—Colo.

californica Banks, Trans. Amer. Ent. Soc. xxv, 217, 1899.—Cal.

chlorotica Hag., Syn. Neur. N. A. 290, 1861.—E. S.

cockerelli Banks, Trans. Amer. Ent. Soc. xxxii, 14, 1905.—N. Mex., Colo.

confusa Walk., B. M. Cat. Neur. 103, 1852 (*Philopotamus*). Hagen, Syn. Neur. N. A. 291, 1861.—Can.

depravata Hagen, Syn. Neur. N. A. 290, 1861.—Ga.

gracilis Banks, Trans. Amer. Ent. Soc. xxv, 216, 1899.—Colo.

hageni Banks, Trans. Amer. Ent. Soc. xxxii, 14, 1905.—E. S.

incommoda Hagen, Syn. Neur. N. A. 290, 1861.—Ga., La.

kansensis Banks, Trans. Amer. Ent. Soc. xxxii, 15, 1905.—Kans.

maculicornis Walk., B. M. Cat. Neur. 113, 1852. Hag., Syn. Neur. N. A. 289, 1861.—Can.

minuscule Banks, Proc. Ent. Soc. Wash. viii, 130, 1907.—Md.

novamexicana Banks, Trans. Amer. Ent. Soc. xxx, 110, 1904.—N. Mex.

occidentalis Banks, Trans. Amer. Ent. Soc. xxvi, 258, 1900.—Wash.

oslari Banks, Trans. Amer. Ent. Soc. xxxii, 13, 1905.—Colo.

phalerata Hagen, Syn. Neur. N. A. 287, 1861.—E. S.

reciproca Walk., B. M. Cat. Neur. 104, 1852 (*Philopotamus*). Hagen, Syn. Neur. N. A. 288, 1861.—N. A.

dubia Walk., B. M. Cat. Neur. 112, 1852.

scalaris Hagen, Syn. Neur. N. A. 286, 1861.—E. S.

slossonæ Banks, Trans. Amer. Ent. Soc. xxxii, 14, 1905.—N. H.

sordida Hagen, Syn. Neur. N. A. 290, 1861.—E. S.

speciosa Banks, Proc. Ent. Soc. Wash. vi, 214, 1904.—Md.

PLECTROCNEA.

Stephens, Ill. Mand. vi, 168, 1836.

auriceps Banks, Bull. Amer. Mus. Nat. Hist. xxi, 218, 1905; Trans. Amer. Ent. Soc. xxxii, 17, 1905.—N. Car.

australis Banks, Proc. Ent. Soc. Wash. viii, 131, 1907.—Fla.

confusus Hag., Syn. Neur. N. A. 293, 1861 (*Polycentropus*).—Can., N. J.

crassicornis Walk., B. M. Cat. Neur. 101, 1852. Hagen, Syn. Neur. N. A. 292, 1861. Ulmer, Notes Leyden Mus. xxviii, 83, 1906.—Ga.

POLYCENTROPUS.

Curtis, Brit. Ent. pl. 544, 1835.

- arizonensis* Banks, Trans. Amer. Ent. Soc. xxxii, 16, 1905.—Ariz.
carolinensis Banks, Bull. Amer. Mus. Nat. Hist. xxi, 217, 1905; Trans. Amer. Ent. Soc. xxxii, 16, 1905.—N. Car.
cinereus Hagen, Syn. Neur. N. A. 293, 1861.—Can., N. Y.
dispar Banks, Trans. Amer. Ent. Soc. xxxii, 16, 1905.—Ariz.
invarius Walk., B. M. Cat. Neur. 101, 1852. Hagen, Syn. Neur. N. A. 292, 1861.—Nova Scotia.
signatus Banks, Trans. Amer. Ent. Soc. xxiv, 30, 1897.—N. Y.
validus Walk., B. M. Cat. Neur. 100, 1852. Hagen, Syn. Neur. N. Am. 292, 1861.—U. S.
variegatus Banks, Trans. Amer. Ent. Soc. xxvi, 259, 1900.—Wash.

HOLOCENTROPUS.

McLachlan, Mon. Eur. Trich. 400, 1878.

- canadensis* Banks, Trans. Amer. Ent. Soc. xxiv, 31, 1897 (*Polycentropus*).—N. Y., Can.
flavicornis Banks, Journ. N. Y. Ent. Soc. 1907, 162.—D. C.
robusta Walk., B. M. Cat. Neur. 114, 1852. Hagen, Syn. Neur. N. A. 289, 1861 (*Hydropsyche*).—N. Am.

PHYLOCENTROPUS.

Banks, Proc. Ent. Soc. Wash. viii, 130, 1907.

- lucidus* Hagen, Syn. Neur. N. A. 294, 1861 (*Polycentropus*).—E. S.
placidus Banks, Tr. Amer. Ent. Soc. xxxii, 15, 1905 (*Holocentropus*).—D. C., Va.

NYCTIOPHYLAX.

Brauer, Verh. zool-bot. Ges. Wien, 1865, 419.

- affinis* Banks, Trans. Am. Ent. Soc. xxiv, 30, 1897 (*Polycentropus*).—Can., Mich.
fraternus Banks, Trans. Amer. Ent. Soc. xxxii, 17, 1905 (*Cyrnus*).—Md.
pallidus Banks, Proc. Ent. Soc. Wash. vi, 214, 1904 (*Cyrnus*).—D. C., Md., Va.
vestitus Hagen, Syn. Neur. N. A. 293, 1861 (*Polycentropus*).—E. S.

PHILOPOTAMUS.

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

- americanus* Banks, Trans. Amer. Ent. Soc. xxii, 316, 1895.—N. Y.
distinctus Walk., B. M. Cat. Neur. 104, 1852. Hagen, Syn. Neur. N. Am. 291, 1861. Ulmer, Notes Leyden Mus. xxviii, 88, 1906.—E. S.

ARCTOPSYCHÉ.

McLachlan, Trans. Ent. Soc. Lond. 1868, 300.

- grandis* Banks, Trans. Amer. Ent. Soc. xxvi, 258, 1900 (*Hydropsyche*).—Colo.
irrorata Banks, Bull. Amer. Mus. Nat. Hist. xxi, 217, 1905; Trans. Amer. Ent. Soc. xxxii, 15, 1905.—N. Car.
ladogensis Kol., Gen. et Sp. Trich. ii, 201, 1858 (*Aphelocheira*). McLach., Mon. Eur. Trich. 378, 1878.—B. Am.

NEURECLIPSIS.

McLachlan, Ent. Mo. Mag. i, 30, 1864.

bimaculata Linn., Syst. Nat. x, 548, 1758 (*Phryganea*). McLachlan, Eur. Trich. 392, 1878.—B. Am.

tigurinensis Fabr., Ent. Syst. Sup. 201, 1798.

concolor Burm., Handb. 914, 1839.

robusta Walk., B. M. Cat. 122, 1852.

crepuscularis Walk., B. M. Cat. Neur. 87, 1852 (*Brachycentrus*). Hagen, Syn. Neur. N. A. 292, 1861.—Can.

dubitans Walk., ibid., 113 (*Hydropsyche*). Hagen, ibid., 289.

parvula Banks, Journ. N. Y. Ent. Soc. 1907, 163.—Md.

ATOPSYCHE.

Banks, Trans. Amer. Ent. Soc. xxxii, 17, 1905.

tripunctata Banks, Trans. Amer. Ent. Soc. xxxii, 17, 1905.—Ariz.

PSYCHOMYIA.

Latreille, Règ. Anim. Ed. 3, v, 263, 1829.

flavida Hagen, Syn. Neur. N. A. 294, 1861.—Can., D. C.

moesta Banks, Proc. Ent. Soc. Wash., viii, 131, 1907.—Colo.

pulchella Banks, Trans. Amer. Ent. Soc. xxv, 217, 1899.—Colo.

SMICRIDEA.

McLachlan, Journ. Linn. Soc. Lond. Zool. xi, 134, 1871.

divisa Banks, Proc. Ent. Soc. Wash. v, 244, 1903 (*Hydropsyche*).—Ariz.

fasciatella McLach., Journ. Linn. Soc. Lond. Zool. xi, 136, 1871.—Tex.

TINODES.

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

Oncocerus Kolenati, Gen. et Sp. Trich. ii, 222, 1858.

consueta McLach., Journ. Linn. Soc. Lond. Zool. xi, 138, 1871.—Cal.

livida Hagen, Syn. Neur. N. A. 295, 1861.—Can.

parva Walk., B. M. Cat. Neur. 134, 1852 (*Hydroptila*). Hagen, Syn. Neur. N. A. 294, 1861.—Can.

PELLOPSYCHE.

Banks, Journ. N. Y. Ent. Soc. 1903, 243.

signata Banks, Journ. N. Y. Ent. Soc. 1903, 243.—Colo.

HYDROPTILIDÆ.**PROTOPTILA.**

Banks, Proc. Ent. Soc. Wash. vi, 215, 1904.

maculata Hagen, Syn. Neur. N. A. 296, 1861. Banks, Proc. Ent. Soc. Wash. vi, 245, 1904. Ulmer, Notes Leyden Mus. xxviii, 99, 1906.—E. S.

AGRALEA.

Curtis, Phil. Mag. 1834, 217.

Hydrorchestia Kolenati, Gen. et Sp. Trich. i, 103, 1848.

fraterna Banks, Journ. N. Y. Ent. Soc. 1907, 164.—Va.

multipunctata Curtis, Phil. Mag. 1834, 217. McLachlan, Rev. Trich. Europ. Faun. 506, 1880. Morton, Bull. 86, N. Y. State Mus. 74, 1905.—N. Y.

HYDROPTILA.

Dalman, Vet. Akad. Handl. xl, 125, 1819.

Phrixocoma Eaton, Trans. Ent. Soc. Lond. 1873, 132.

albicornis Hagen, Syn. Neur. N. A. 275, 1861 (*Hydroptila*).—Can.
consimilis Morton, Bull. 86, N. Y. State Mus. 65, 1905.—N. Y.
delineatus Morton, Bull. 86, N. Y. State Mus. 66, 1905.—N. Y.
hamata Morton, Bull. 86, N. Y. State Mus. 67, 1905.—N. Y.
perdita Morton, Bull. 86, N. Y. State Mus. 67, 1905.—N. Y.
spatulata Morton, Bull. 86, N. Y. State Mus. 66, 1905.—N. Y.
tarsalis Hagen, Syn. Neur. N. A. 275, 1861 (*Hydroptila*).—Can.
transversa Banks, Journ. N. Y. Ent. Soc. 1907, 163.—D. C.

OXYETHIRA.

Eaton, Trans. Ent. Soc. Lond. 1873, 143.

coercens Morton, Bull. 86, N. Y. State Mus. 70, 1905.—N. Y.
dorsalis Banks, Proc. Ent. Soc. Wash. vi, 216, 1904.—D. C., Va.
dualis Morton, Bull. 86, N. Y. State Mus. 71, 1905.—N. Y.
viminalis Morton, Bull. 86, N. Y. State Mus. 71, 1905.—N. Y.

ALLOTRICHIA.

McLachlan, Mon. Eur. Trich. 508, 1880.

flavida Banks, Journ. N. Y. Ent. Soc. 1907, 164.—Colo.
maculata Banks, Ent. News, 1904, 116.—D. C., Va.
signata Banks, Proc. Ent. Soc. Wash. vi, 215, 1904.—Va.

ORTHOTRICHIA.

Eaton, Trans. Ent. Soc. Lond. 1873, 141.

americana Banks, Ent. News, 1904, 116.—D. C., N. Y.
cristata Morton, Bull. 86, N. Y. State Mus. 75, 1905.
brachiata Morton, Bull. 86, N. Y. State Mus. 70, 1905.—N. Y.
nigritta Banks, Journ. N. Y. Ent. Soc. 1907, 163.—Tex.
pallida Banks, Proc. Ent. Soc. Wash. vi, 215, 1904.—D. C.

ITHYTRICHIA.

Eaton, Trans. Ent. Soc. Lond. 1873, 139.

clavata Morton, Bull. 86, N. Y. State Mus. 67, 1905.—N. Y.
confusa Morton, Bull. 86, N. Y. State Mus. 69, 1905.—N. Y.

NEOTRICHIA.

Morton, Bull. 86, N. Y. State Mus. 72, 1905.

collata Morton, Bull. 86, N. Y. State Mus. 72, 1905.—N. Y.

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