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TECHNICAL SERIES, No. 20, PART II.

U. S. DEPARTMENT OF AGRICULTURE,

BUREAU OF ENTOMOLOGY.

L. O. HOWARD, Entomologist and Chief of Bureau.

TECHNICAL PAPERS ON MISCELLANEOUS FOREST INSECTS.

II. THE GENOTYPES OF THE SAWFLIES AND WOODWASPS, OR THE SUPERFAMILY TENTHREDINOIDEA.

BY

S. A. ROHWER,

Agent and Expert.

ISSUED MARCH 4, 1911.

WASHINGTON:

GOVERNMENT PRINTING OFFICE.

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BUREAU OF ENTOMOLOGY.

L. O. Howard, *Entomologist and Chief of Bureau.*
C. L. Marlatt, *Entomologist and Acting Chief in Absence of Chief.*
R. S. Clifton, *Executive Assistant.*
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William Middleton, Mary C. Johnson, *student assistants.*

LETTER OF TRANSMITTAL.

U. S. Department of Agriculture,
Bureau of Entomology,
Washington, D. C., October 22, 1910.

Sir: I have the honor to transmit herewith a manuscript entitled "The Genotypes of the Sawflies and Woodwasps, or the Superfamily Tenthredinoidea." These insects belong to this superfamily of the order Hymenoptera and include some of the important enemies of North American forest trees. The true sawflies, in their larval stage, destroy the foliage of coniferous and other trees and forest growths and some of them are exceedingly destructive, as, for example, the larch sawfly, which feeds upon the foliage of the larch timber of Europe and North America. The woodwasps, in their larval stage, bore in the wood of dying and dead standing and felled trees, causing defects and rapid deterioration.

In addition to the large number of species which are native to this country, there are some very destructive species which have found their way here from other countries, so that it is of the greatest importance to know all of the species and to guard against further introductions.

Both the systematic and economic knowledge of these insects is notably limited, especially as regards North American species, and it is of the utmost importance, as a basis for the best results in investigations of these insects in their relation to economic problems, that considerable purely technical work should be done on them.

Mr. Rohwer has been engaged to work on the sawflies on account of his extended expert knowledge of this group of insects and the work he had done on them before he came to the Bureau. As a collaborator of this Bureau, but at his own expense, Mr. Rohwer visited the principal collections of Europe in the summer of 1909 to study the types of described species and genera, all of which puts him in a position to carry on the research work assigned to him in the most thorough manner. Mr. Rohwer has found it necessary to devote considerable time to preliminary work on the entire group and on the genera of the world in order to have an authoritative basis for the further work of a monographic nature on the more

important groups represented by species which depredate on trees and forest growths. The present paper includes the partial results of his preliminary work, which has been prosecuted with such energy as to leave little more to be done in this line. Mr. Rohwer's future papers will deal with special groups which will be treated in a monographic manner in order that a basis may be formed for special papers on the economic features.

I recommend the publication of this manuscript as Technical Series No. 20, Part II, of the Bureau of Entomology.

Respectfully,

L. O. HOWARD,
Chief of Bureau.

Hon. JAMES WILSON,
Secretary of Agriculture.

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U. S. D. A., B. E. Tech. Ser. 20, Pt. II. F. I. I., March 4, 1911.

TECHNICAL PAPERS ON MISCELLANEOUS FOREST INSECTS.

II. THE GENOTYPES OF THE SAWFLIES AND WOODWASPS, OR THE SUPERFAMILY TENTHREDINOIDEA.

By S. A. Rohwer,

Agent and expert.

INTRODUCTION.

The following paper deals with the sawflies and horntails and comprises the superfamilies Tenthredinoidea and Siricoidea of Ashmead's classification; the Chalastogastra of Rev. F. W. Konow; the Phyllophaga (=Phytophaga) and Xylophaga of Cresson and authors; or the genera *Tenthredo* and *Sirex* of Linnæus. It is divided into two parts; the first part is an alphabetical catalogue of the generic names used in Tenthredinoidea and Siricoidea with their type species; the second part is composed of descriptions of the briefly characterized genera and species described by the late William H. Ashmead.

An effort has been made to include all the generic names used in these two superfamilies. In case of any omissions the author will be most pleased to have these called to his notice.[a]

AN ALPHABETICAL CATALOGUE OF THE GENERIC NAMES USED IN THE TENTHREDINOIDEA, WITH THEIR TYPE SPECIES.

THE DESIGNATION OF THE TYPE SPECIES OF GENERA.

The necessity of having the types of genera fixed is now recognized by almost every working systematic entomologist. In the designation of the following genotypes the rulings and recommendations of the International Commission on Zoological Nomenclature have been followed. As these rulings and recommendations have never been finally codified, and there are in a few cases apparently contradictory statements, the personal equation has entered into

[a] Address Bureau of Entomology, Department of Agriculture, Washington, D. C.

the interpretation to some extent. In all such cases an effort is made to follow the consensus of opinion. Article 2, page 11, of the International Code of Zoological Nomenclature as applied to medicine[a] says: "The scientific designation of animals is uninominal for subgenera and all higher groups, binominal for species, and trinominal for subspecies." Does this mean that a genus can be founded without included species? In article 30, page 26, and the correction in Science for October 18, 1907, pages 521–522, it is stated that a genus must have a type and the type must be an included species. In this paper a genus is considered to be without standing until it contains a species; and genera which were founded without species take the first species placed in them as the type and date from the time when that species was placed in them. In such cases the name of the first author of the genus is given first in parentheses, and, following the parenthesis, the name of the author who first included a species.[b]

With the exception of monobasic genera the first designation of genotypes in Tenthredinoidea and Siricoidea was done by Latreille in 1810.[c] This has been definitely ruled on by the International Commission on Zoological Nomenclature as follows:

> The Designation of Genotypes by Latreille 1810.—The "Table des genres avec l'indication de l'espèce qui leur sert de type" in Latreille's (1810) "Considérations Générales" should be accepted as designation of types of the genera in question.[d]

The next entomologist to fix the types of genera was John Curtis, in his British Entomology, which was published from 1824 to 1839. In this work Curtis says "type of the genus," which makes it very evident that the author endeavored to fix the types of the genera he treated.

J. O. Westwood, in his Synopsis of the Genera of British Insects,[e] gives after each genus what he calls a "typical species."[f] In most cases this species can be taken as the type of the genus in question, and in many it is the first indication of the fixing of a type for many of the genera. Inasmuch as the International Commission on Zoological Nomenclature[g] has said "the meaning of the expression 'select type' is to be rigidly construed; mention of a species as an illustration or example of a genus does not constitute a selection of

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[a] Bul. no. 24, Hygienic Laboratory, Public Health and Marine-Hospital Service of United States, September, 1905.

[b] See synonyms of Hartigia Schiodte and Boie, p. 80.

[c] Considérations Générales sur l'Ordre Naturel des Animaux composant les Classes des Crustacés, des Arachnides et des Insectes, Paris, 1810.

[d] Science, n. s. vol. 31, no. 787, p. 150, January 28, 1910.

[e] Published as an appendix to "An Introduction to the Modern Classification of Insects," vol. 2, London, 1840.

[f] Synopsis, p. 1, footnote.

[g] Science, n. s. vol. 26, no. 668, p. 521, October 18, 1907.

a type," the "typical species" of Westwood are not given as the types of genera except in those cases where no type has been given and the species given by Westwood can be the genotype according to the rules. In the following list, however, the words "Westwood 1840" are placed after the genotypes of certain genera, for the convenience of the student, should any ruling be given on these "typical species."

With the exception of a few types designated by Brullé[a] and Shipp,[b] few genotypes were named except in the works of the two American writers Ashmead and MacGillivray.

It was hoped to verify every reference given, but in some few cases this was not possible. In such cases the reference is that given by Dalla Torre. The original descriptions of the following genera have not been seen: *Xiphiura* Fallén, *Hybonotus* Klug, *Nycteridium* Fischer-Waldheim, *Pompholyx* Freymuth.

RULES OF ZOOLOGICAL NOMENCLATURE FOR THE DESIGNATION OF TYPE SPECIES OF GENERA.

The ruling of the International Commission on Zoological Nomenclature[c] is reprinted here for ready reference. Some of the recommendations which do not deal with any cases found in Tenthredinoidea and which are not of general importance have been omitted.

ART. 30. The designation of type species of genera shall be governed by the following rules (*a–g*), applied in the following order of precedence:

I. Cases in which the generic type is accepted solely upon the basis of the original publication.

(*a*) When in the original publication of a genus, one of the species is definitely designated as type, this species shall be accepted as type regardless of any other considerations. (Type by original designation.)

(*b*) If, in the original publication of a genus, *typicus* or *typus* is used as a new specific name for one of the species, such use shall be construed as "type by original designation."

(*c*) A genus proposed with a single original species takes that species as its type. (Monotypical genera.)

(*d*) If a genus, without originally designated (see *a*) or indicated (see *b*) type, contains among its original species one possessing the generic name as its specific or subspecific name, either as valid name or synonym, that species or subspecies becomes *ipso facto* type of the genus. (Type by absolute tautonomy.)

II. Cases in which the generic type is not accepted solely upon basis of the original publication:

(*e*) The following species are excluded from consideration in selecting the types of genera:

(*α*) Species which were not included under the generic name at the time of its original publication.

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[a] Histoire Naturelle des Insectes. Hyménoptères, vol. 4, Paris, November, 1846.

[b] Entomologist, vol. 27, pp. 339–340, 1894.

[c] See Science, n. s. vol. 26, no. 668, pp. 521–522, October 18, 1907.

(β) Species which were *species inquirendæ* from the standpoint of the author of the generic name at the time of its publication.

(γ) Species which the author of the genus doubtfully referred to it.

(f) In case a generic name without originally designated type is proposed as a substitute for another generic name, with or without type, the type of either, when established, becomes *ipso facto* type of the other.

(g) If an author, in publishing a genus with more than one valid species, fails to designate (see a) or to indicate (see b, d) its type, any subsequent author may select the type, and such designation is not subject to change. (Type by subsequent designation.)

The meaning of the expression "select a type" is to be rigidly construed. Mention of a species as an illustration or example of a genus does not constitute a selection of a type.

III. *Recommendations.*—In selecting types by subsequent designation, authors will do well to govern themselves by the following recommendations:

(h) In the case of Linnæan genera select as type the most common or the medicinal species.

(i) If a genus, without designated type, contains among its original species one possessing as a specific or subspecific name, either as valid name or synonym, a name which is virtually the same as the generic name, or of the same origin or same meaning, preference should be shown to that species in designating the type, unless such preference is strongly contra-indicated by other factors. (Type by virtual tautonomy.)

(k) If some of the original species have later been classified in other genera, preference should be shown to the species still remaining in the original genus. (Type by elimination.)

(n) Show preference to the best described, best figured, best known, or most easily obtainable species, or to one of which a type specimen can be obtained.

(o) Show preference to a species which belongs to a group containing as large a number of the species as possible.

(q) All other things being equal, show preference to a species which the author of the genus actually studied at or before the time he proposed the genus.

(r) In case of writers who habitually place a certain leading or typical species first as "chef de file," the others being described by comparative reference to this type, this fact should be considered in the choice of the type species.

(s) In case of those authors who have adopted the "first species rule" in fixing generic types, the first species named by them should be taken as types of their genera.

(t) All other things being equal, page precedence should obtain in selecting a type.

CATALOGUE.

The various genera accredited to Jurine (Nouv. Meth. Hym. Ins., vol. 1, 1807) have been accredited to Panzer (Krit. Revis., vol. 2, 1806). Panzer accredits the genera to Jurine, but they are in none of Jurine's earlier papers, while he treated them rather fully in 1807.

All references to Encyclopédie Méthodique, Insectes, vol. 10. 1825, have been changed to "vol. 10, pt. 2, 1828." Volume 10 came out in two numbers, the second, containing the Tenthredinidæ, appearing in 1828.

The word "isogenotypic" is used when two genera have the same species as the genotype.

The word "monobasic" is used to indicate that a genus was founded on one originally included species.

The plan in the following list is to give the generic name first, the name of the author second, the original reference third, the type species fourth, the authority for the type fifth. In case the genus was monobasic, an asterisk is placed after the type species; in case the genotype was originally designated, the word "designated" is placed in parentheses; in case the genus was not monobasic and no genotype has been designated, the type has been chosen and no authority is given (see *Amauronematus* Konow). Certain apparent synonymy, as in the case of isogenotypic genera, is also given. All such synonymy has been verified, and synonymy not verified is not given.

The list of genera is believed to be complete, in as far as publications have been received in Washington, D. C., up to January 1, 1911. All the new generic names proposed in this paper are included in the alphabetical catalogue with the reference, "see p. —."

Abia Leach, Zool. Misc., vol. 3, p. 113, no. 5, 1817.
Type: *Tenthredo sericea* Linnæus (Curtis, 1825).

Acantholyda A. Costa, Pros. Hym. Ital., vol. 3, p. 232, 1894.
Type: *Tenthredo erythrocephala* Linnæus (Rohwer, 1910).

Acanthoperga Shipp, Ent., vol. 27, pp. 338, 339, 1894.
Type: *Perga cameroni* Westwood (designated).

Acanthoptenos Ashmead, Can. Ent., vol. 30, p. 212, 1898.
Type: *Acanthoptenos weithii* Ashmead (designated).

Acherdocerus W. F. Kirby, List Hym. Brit. Mus., vol. 1, p. 92, no. 42, 1882.
Type: *Acherdocerus fumipennis* W. F. Kirby.*

Acidiophora Konow, Ent. Nachr., vol. 25, p. 361, 1899.
Type: *Acidiophora decora* Konow.*

Acordulecera Say, Bost. Journ. Nat. Hist., vol. 1, no. 3, p. 209, 1836.
Type: *Acordulecera dorsalis* Say.*

Adirus Konow, Ent. Nachr., vol. 25, p. 74, 1899.
Type: *Cephus trimaculatus* Say.*

Agenocimbex Rohwer, Proc. U. S. Nat. Mus., vol. 39, no. 1777, p. 104, 1910.
Type: *Cimbex maculata* Marlatt (designated).

Aglaostigma W. F. Kirby, List Hym. Brit. Mus., vol. 1, p. 325, no. 104, 1882.
Type: *Aglaostigma eburneiguttatum* W. F. Kirby.*

Allantus Panzer, Krit. Revis., vol. 2, p. 25, 1806.
Type: *Tenthredo scrophulariæ* Linnæus (Curtis, 1839; Brullé, 1846; Westwood, 1840).
=**Tenthredo** Linnæus (isogenotypic).

Allomorpha Cameron, Trans. Ent. Soc. Lond., p. 463, 1876.
Type: *Allomorpha incisa* Cameron.*

Amasis Leach, Zool. Misc., vol. 3, p. 114, no. 6, 1817.
Type: *Tenthredo obscura* Linnæus (Westwood, 1840).

Amauronematus Konow, Deutsch. ent. Zeitschr., p. 237, 1890.
Type: *Nematus fallax* Lepeletier.

Ametastegia A. Costa, Rendic. Accad. Sci. Fis. Napoli, vol. 21, pt. 10, p. 198, 1882.
Type: *Ametastegia fulvipes* A. Costa.*
= *Tenthredo glabrata* Fallén.
=**Taxonus** Hartig.

Anachoreta Gistel, "Naturgeschichte des Thierreichs," p. IX, 1848 (n. n. for *Lophyrus* Latreille).
Type: *Tenthredo pini* Linnæus.
=**Diprion** Schrank.

Anapeptamena Konow, Ent. Nachr., vol. 24, p. 271, 1898.
Type: *Anapeptamena albipes* Konow.*

Ancyloneura Cameron, Trans. Ent. Soc. Lond., p. 91, 1877.
Type: *Ancyloneura varipes* Cameron.*

Aneugmenus Hartig, Fam. Blatt. Holzwesp., p. 253, 1837.
Type: *Tenthredo* (*Emphytus*) *coronata* Klug.*

Anisoarthra Cameron, Trans. Ent. Soc. Lond., p. 461, 1876.
Type: *Anisoarthra cœrulea* Cameron.*
(preocc.,=**Senoclia** Cameron.)

Anisoneura Cameron, Trans. Ent. Soc. Lond., p. 463, 1876.
Type: *Anisoneura stigmaticalis* Cameron.*
(preocc.,=**Beleses** Cameron.)

Anoplolyda A. Costa, Pros. Hym. Ital., vol. 3, p. 233, 1894.
Type: *Lyda alternans* O. Costa (Rohwer, 1910).

Anoplonyx Marlatt, U. S. Dept. Agr., Bur. Ent., Tech. Ser. no. 3, p. 18, 1896.
Type: *Nematus pectoralis* Lepeletier.

Antholcus Konow, Zeitschr. syst. Hym. Dipt., vol. 4, p. 3, 1904.
Type: *Tenthredo varinervis* Spinola.*

Aomodyctium Ashmead, Can. Ent., vol. 30, p. 309, December, 1898.
A genus without a species.

Aphadnurus O. Costa, Fauna Napoli, Tenthred., p. 40, 1859.
Type: *Aphadnurus tantillus* O. Costa.*
=*Emphytus pumila* Klug.
=**Fenusa** Leach.

Aphanisus MacGillivray, Can. Ent., p. 295, August, 1908.
Type: *Aphanisus lobatus* MacGillivray (designated).

Aphilodyctium Ashmead, Can. Ent., vol. 30, p. 310, 1898.
Type: *Strongylogaster rubripes* Cresson (designated).

Aprosthema Konow, Ent. Nachr., vol. 25, p. 149, 1899.
Type: *Hylotoma brevicornis* Fallén.

Ardis Konow, Wien. ent. Zeit., vol. 5, pp. 184, 188, no. 4, 1886.
Type: *Tenthredo* (*Allantus*) *bipunctata* Klug.

Arge Schrank, Fauna Boica, vol. 2, p. 209, no. 231, 1802.
Type: *Tenthredo enodis* Linnæus.

Astatus Jurine, Fauna Insect. Germ., vol. 7, p. 83, fig. 12, 1801.
Type: *Sirex troglodyta* Fabricius.

Asticta E. Newman, Ent. Mag., vol. 5, p. 484, 1838.
Type: *Asticta ianthe* E. Newman.*
=*Harpiphorus lepidus* Klug.
=**Harpiphorus** Hartig (isogenotypic).

Ateuchopus Konow, Wien. ent. Zeit., vol. 15, p. 174, 1896.
Type: *Ateuchopus armenius* Konow.

Athalia Leach, Zool. Misc., vol. 3, p. 128, no. 2, 1817.
Type: *Tenthredo spinarum* Fabricius (Curtis, 1836).

Athermantus W. F. Kirby, List Hym. Brit. Mus., vol. 1, p. 54, no. 32, 1882.
Type: *Hylotoma imperalis* F. Smith.*

Athlophorus Burmeister, Athlophorus, eine neue Gattung der Blattwespen, pp. 1–9, 1847.
Type: *Athlophorus klugii* Burmeister.*

Atocus Scudder, Bul. U. S. Geol. Surv., vol. 93, p. 24, pl. 2, fig. 5, 1892.
Type: *Atocus defessus* Scudder.*

Atomacera Say, Bost. Journ. Nat. Hist., vol. 1, no. 3, p. 212, 1836.
Type: *Atomacera debilis* Say.*

Aulacomerus Spinola, Ann. Ent. Soc. France, vol. 9, p. 137, 1840.
Type: *Aulacomerus buquetii* Spinola.*

Bactroceros Konow, Ann. k. k. Hofmus., Wien., vol. 12, p. 21, 1897.
Type: *Tenthredo vafer* Linnæus (Rohwer, 1910).
=**Anoplolyda** A. Costa.

Bathyblepta Konow, Zeitschr. syst. Hym. Dipt., vol. 6, p. 123, 1906.
Type: *Bathyblepta procer* Konow.*

Beldonea Cameron, Mem. & Proc. Manchester Lit. & Phil. Soc., vol. 43, no. 3, p. 35, 1899.
Type: *Beldonea rugifrons* Cameron.*

Beleses Cameron, Trans. Ent. Soc. Lond., p. 88, 1877 (n. n. for *Anisoneura* Cameron, 1876).
Type: *Anisoneura stigmaticalis* Cameron.*

Bergiana Konow, Anal. Mus. Buenos Aires, vol. 6, p. 397, 1899.
Type: *Syzygonia cyanocephala* Klug (designated, p. 398).
=**Syzygonia** Klug (isogenotypic).

Bivena MacGillivray, Can. Ent., vol. 26, p. 327, 1894.
Type: *Bivena maria* MacGillivray (designated).
=*Tenthredo delta* Provancher.

Blasticotoma Klug, Jahrb. Insectenkunde, vol. 1, p. 270, no. 7, 1834.
Type: *Blasticotoma filiceti* Klug.*

Blennocampa Hartig, Fam. Blatt. Holzwesp., p. 266, 1837.
Type: *Tenthredo* (*Allantus*) *pusilla* Klug.

Brachycolus Konow, Termes. Fuzetek, vol. 28, pt. 3, p. 166, 1895.
Type: *Nematus viduatus* Zetterstedt.

Brachyphatnus Konow, Zeitschr. syst. Hym. Dipt., vol. 6, p. 250, 1906.
Type: *Brachyphatnus debilicornis* Konow.

Brachytoma Westwood, Thes. Ent. Oxon., p. 109, 1874 (non Swainson, 1840).
Type: *Brachytoma fumipennis* Westwood (Ashmead, 1898).

Brachyxiphus Philippi, Stett. ent. Zeit., vol. 32, p. 285, 1871.
Type: *Brachyxiphus grandis* Philippi.

Braunsiola Konow, Ent. Nachr., vol. 25, p. 312, 1899.
Type: *Braunsiola truculenta* Konow.*
=**Micrarge** Ashmead.

Busarbia Cameron, Mem. & Proc. Manchester Lit. & Phil. Soc., vol. 43, no. 3, p. 37, 1899.
Type: *Busarbia viridipes* Cameron.*

Cacosyndia W. F. Kirby, Trans. Ent. Soc. Lond., p. 203, 1883 (n. n. for *Pompholyx* Freymuth).
Type: *Pompholyx dimorpha* Freymuth (designated).

Cænocephus Konow, Wien. ent. Zeit., vol. 15, p. 151, 1896.
Type: *Cænocephus jakowleffi* Konow.*

Cænolyda Konow, Ann. k. k. Hofmus., Wien., vol. 12, p. 15, 1897.
Type: *Tenthredo reticulata* Linnæus (Rohwer, 1910).

Cænoneura Thomson, Opusc. Ent., vol. 2, p. 270, 1870.
Type: *Cænoneura dahlbomi* Thomson.*

Calameuta Konow, Wien. ent. Zeit., vol. 15, p. 159, 1896.
Type: *Cephus filiformis* Eversmann.

Caliroa O. Costa, Fauna Napoli, Tenthred., p. 59, 1859.
Type: *Caliroa sebetia* O. Costa.*
=*Allantus cinxia* Klug.

Caloptilia Ashmead, Can. Ent., vol. 30, p. 212, 1898.
Type: *Caloptilia townsendi* Ashmead (designated).

Calozarca Ashmead, in Dyar, Journ. N. Y. Ent. Soc., p. 129, 1898; also Can. Ent., vol. 30, p. 252, October, 1898.
Type: *Selandria fascipennis* Norton (designated).
=**Parazarca** Ashmead.

Camponiscus E. Newman, Ent., vol. 4, p. 215, 1869.
Type: *Camponiscus healæi* E. Newman.*
=*Tenthredo luridiventris* Fallén.
=**Platycampus** Schiödte.

Camptoperga Shipp, Ent., vol. 27, pp. 339–340, 1894.
Type: *Perga cressoni* Westwood (designated).

Camptoprium Spinola, Ann. Soc. Ent. France, vol. 9, p. 134, 1840.
Type: *Camptoprium leprieuri* Spinola.*

Canonias Konow, Termes. Fuzetek, vol. 24, p. 65, 1901.
Type: *Canonias inopinus* Konow.*

Celidoptera Konow, Ann. k. k. Hofmus., Wien., vol. 12, p. 20, 1897.
Type: *Lyda maculipennis* Stein.*

Cephaleia Panzer, Fauna Ins. Germ., vol. 8, p. 36, 1805.
Type: *Tenthredo signata* Fabricus (Rohwer, 1910).

Cephalocera Klug, Jahrb. Insectenkunde, vol. 1, p. 251, no. 8, 1834.
Type: *Cephalocera pumila* Klug.*
(preocc.,=**Corynophilus** W. F. Kirby).

Cephites Heer, Denkschr. schweiz. Ges. Naturwiss., vol. 11, p. 173, no. 18, 1850.
Type: *Cephites œningensis* Heer.

Cephosoma Gradl, Ent. Nachr., vol. 7, p. 294, 1881.
Type: *Cephosoma syringæ* Gradl.*
=**Hartigia** Schiödte and Boie.

Cephus Latreille, Hist. Nat. Crust. Ins., vol. 3, p. 303, 1802.
Type: *Sirex pygmæus* Linnæus (Latreille, 1810; Brullé, 1846; Westwood, 1840).

Ceratulus MacGillivray, Can. Ent., vol. 40, p. 454, 1908.
Type: *Ceratulus spectabilis* MacGillivray (designated).

Cerealces W. F. Kirby, List Hym. Brit. Mus., vol. 1, p. 31, no. 11, 1882.
Type: *Cerealces scutellata* W. F. Kirby.*

Cerobactrus O. Costa, Fauna Napoli., Cephid., p. 9, 1860.
Type: *Cerobactrus major* O. Costa.*
=*Astatus satyrus* Panzer.
=**Hartigia** Schiödte and Boie.

Cerospastus Konow, Anal. Mus. Buenos Aires, vol. 6, p. 404, 1899.
Type: *Cerospastus volupis* Konow.*

Chalinus Konow, Termes. Fuzetek, vol. 20, p. 605, 1897.
Type: *Oryssus plumicornis* Guérin.

Characophygus Konow, Ent. Nachr., vol. 25, p. 73, 1899.
Type: *Characophygus moricei* Konow.*

Cibdela Konow, Ent. Nachr., vol. 25, p. 76, 1899.
Type: *Hylotoma jantheria* Klug.

Cimbex Olivier, Encyl. Méthod., Ins., vol. 5, p. 762, 1790.
Type: *Tenthredo lutea* Linnæus (Latreille, 1810).

Cladiucha Konow, Zeitschr. syst. Hym. Dipt., vol. 2, p. 389, 1902.
Type: *Cladiucha insolita* Konow.*

Cladius Rossi, Fauna Etrusca, ed. 2^a, vol. 2, p. 27, 1807.
Type: *Tenthredo difformis* Panzer (Latreille, 1810).

Cladomacra F. Smith, Ann. Mag. Nat. Hist., (3) vol. 6, p. 256, 1860.
Type: *Cladomacra macropus* F. Smith.*

Claremontia Rohwer, Can. Ent., vol. 41, p. 397, November, 1909.
Type: *Claremontia typica* Rohwer (designated).

Clarissa W. F. Kirby, Ann. Mag. Nat. Hist., (6) vol. 14, p. 46, 1894.
Type: *Clarissa divergens* W. F. Kirby.*

Clavellaria Lamarck, Syst. des Animaux san vertébrés, p. 264, 1801.
Type: *Tenthredo lutea* Linnæus.*
=**Cimbex** Olivier.

Clavellarius Olivier, Encycl. Méthod., vol. 4, p. 22, 1789; vol. 6, p. 18, 1791. No species.

Clydostomus Konow, Zeitschr. syst. Hym. Dipt., vol. 8, p. 19, 1908.
Type: *Clydostomus cestatus* Konow.

Cockerellonis MacGillivray, Can. Ent., vol. 40, p. 365, October, 1908.
Type: *Cockerellonis occidentalis* MacGillivray (designated).
=**Eriocampidea** Ashmead.

Colochelyna Konow, Ent. Nachr., vol. 24, p. 280, 1898.
Type: *Colochelyna magrettii* Konow.

Conaspidia Konow, Ent. Nachr., vol. 24, p. 279, 1898.
Type: *Conaspidia sikkemensis* Konow.*

Corymbas Konow, Ann. Mus. St. Petersbourg, p. 120, 1903.
Type: *Corymbas koreana* Konow.

Coryna Lepeletier, Encyl. Méthod., Ins., vol. 10, pt. 2, p. 567, 1828.
Type: *Tenthredo* (*Coryna*) *scapularis* Lepeletier.
=*Tenthredo flavans* Klug.
=**Selandria** Leach.

Corynia Imhof et Labram, Insect. Schweiz., vol. 1, pl. 23, 1836.
Type: *Corynia rosarum* Imhof et Labram.
=**Arge** Schrank.

Corynophilus W. F. Kirby, List Hym. Brit. Mus., vol. 1, p. 32, no. 15, 1882 (n. n. for *Cephalocera* Klug, non Latreille).
Type: *Cephalocera pumila* Klug.*

Crœsus Leach, Zool. Misc., vol. 3, p. 129, no. 1, 1817.
Type: *Tenthredo septentrionalis* Linnæus.*
=**Nematus** Jurine.

Cryptocampus Hartig, Fam. Blatt. Holzwesp., p. 221, March, 1837.
Type: *Nematus* (*Cryptocampus*) *medullaris* Hartig.
=**Euura** Newman.

Cryptus Panzer, Krit. Revis., vol. 2, p. 21, 1806 (non Fabricus, 1804).
Type: *Tenthredo furcata* Villers (Curtis, 1825).
=**Schizocera** Lepeletier (isogenotypic).

Cyphona Dahlbom, Conspect. Tenthred. Scand., p. 6, 1835.
Type: *Tenthredo furcata* Villers.
=**Schizocera** Lepeletier.

Decameria (Lepeletier) W. F. Kirby, Lepeletier, Encycl. Méthod., Ins., vol. 10, pt. 2, p. 371, 1828; W. F. Kirby, List Hym. Brit. Mus., vol. 1, p. 93, no. 43, 1882.
Type: *Decameria testacea* W. F. Kirby (designated).

Decatria Stephens, Illustr. Brit. Ent., Mandib., vol. 7, p. 94, 1835.
Type: *Heterarthus ochropoda* Stephens.

Derecyrta F. Smith, Ann. Mag. Nat. Hist., (3) vol. 6, p. 255, 1860.
Type: *Derecyrta pictipennis* F. Smith.*

Dictynna Brullé, Hist. Nat. Ins. Hym., vol. 4, p. 662, 1846.
Type: *Dictynna westwoodii* Brullé.*
=**Decameria** (Lepeletier).

Dictynna Westwood, Arcana Ent., vol. 1, p. 24, pl. 7, fig. 4, 1841.
Type: *Dictynna læta* Westwood.*
=**Eurys** Newman.

Didocha Konow, Zeitschr. syst. Hym. Dipt., vol. 7, p. 306, 1907.
Type: *Didocha braunsi* Konow.*

Didymia Lepeletier, Encycl. Méthod., Ins., vol. 10, pt. 2, p. 574, 1828.
Type: *Hylotoma martini* Lepeletier.*

Dielocerus Curtis, Trans. Linn. Soc. Lond., vol. 19, pt. 1, p. 248, 1844.
Type: *Dielocerus ellisii* Curtis.

Dimorphopteryx Ashmead, Can. Ent., vol. 30, p. 308, 1898.
Type: *Strongylogaster pinguis* Say (designated).

Dinax Konow, Wien. ent. Zeit., vol. 16, p. 182, 1897.
Type: *Dinax jakowleffi* Konow.*

Dineura Dahlbom, Conspect. Tenthred. Scand., p. 13, no. 6, 1835.
Type: *Tenthredo degeeri* Klug (Westwood, 1846).

Diphadnus Hartig, Fam. Blatt. Holzwesp., p. 225, 1837.
Type: *Nematus fuscicornis* Hartig.*
=*Nematus appendiculatus* Hartig.

Diphamorphos Rohwer, Ent. News, vol. 22, p. 473, 1910.
Type: *Diphamorphos nigrescens* Rohwer (designated).

Diprion Schrank, Fauna Boica, vol. 2, pp. 209, 252–254, 1802.
Type: *Tenthredo pini* Linnæus (Rohwer, 1910).

Dipteromorpha W. F. Kirby, List Hym. Brit. Mus., vol. 1, p. 324, no. 102, 1882.
Type: *Macrophya rotundiventris* Cameron.*

Distega Konow, Zeitschr. syst. Hym. Dipt., vol. 4, p. 224, 1904.
Type: *Distega sjostedti* Konow.*

Dolerus Panzer, Krit. Revis., vol. 2, p. 40, 1806.
Type: *Dolerus gonager* Jurine (Latreille, 1810).

Dosytheus Leach, Zool. Misc., vol. 3, p. 128, no. 4, 1817.
Type: *Tenthredo eglanteriæ* Fabricius (Brullé, 1846).
=**Dolerus** Panzer.

Druida E. Newman, Ent. Mag., vol. 5, p. 484, 1838.
Type: *Druida parviceps* E. Newman.*
=*Phyllotoma nemorata* Fallén.

Dulophanes Konow, Zeitschr. syst. Hym. Dipt., vol. 7, p. 132, 1907.
Type: *Dulophanes morio* Konow.*

Ebolia O. Costa, Fauna Napoli, Tenthred., p. 105, 1859.
Type: *Ebolia floricola* O. Costa.*

Electrocephalus Konow, Ent. Nachr., vol. 23, p. 37, 1897.
Type: *Electrocephalus strahlendorffi* Konow.*

Emphytoides Konow, Ent. Nachr., vol. 24, p. 274, 1898.
Type: *Emphytoides perplexus* Konow.
=**Athlophorus** Burmeister.

Emphytus Klug, Mag. Ges. naturf. Berlin, vol. 7, p. 273, 1813.
Type: *Tenthredo cincta* Linnæus (Curtis, 1833; Westwood, 1840).

Empria Lepeletier, Encycl. Méthod., Ins., vol. 10, pt. 2, p. 571, 1828.
Type: *Dolerus* (*Empria*) *pallimacula* Lepeletier (Brullé, 1846).

Encarsioneura Konow, Deutsch. ent. Zeitschr., p. 239, 1890.
Type: *Tenthredo sturnii* Klug.*
=**Siobla** Cameron.

Endelomyia Ashmead, Can. Ent., vol. 30, p. 256, 1898.
Type: *Monostegia rosæ* Harris (designated).
=*Caliroa æthiops* (Fabricius).
=**Caliroa** O. Costa.

Eniscia Thomson, Opusc. Ent., pt. 2, p. 299, 1870.
Type: *Tenthredo consobrina* Klug.

Entodecta Konow, Wien. ent. Zeit., vol. 5, pp. 184, 243, 1886.
Type: *Tenthredo* (*Allantus*) *pumila* Klug (MacGillivray, 1909).

Epitactus Förster, Verh. naturh. Ver. preuss. Rheinl., vol. 11, p. 435, 1854.
Type: *Epitactus præcox* Förster.*

Ephippinotus O. Costa, Fauna Napoli, Cephid., p. 10, 1860.
Type: *Ephippinotus luteiventris* O. Costa.
=*Sirex compressus* Fabricius.

Epitaxonus MacGillivray, Can. Ent., vol. 40, p. 365, October, 1908.
Type: *Taxonus albodopictus* Norton (designated).

Eriglenum Konow, Termes. Fuzetek, vol. 24, p. 60, 1901.
Type: *Eriglenum crudum* Konow.*

Eriocampa Hartig, Fam. Blatt. Holzwesp., p. 279, 1837.
Type: *Tenthredo ovata* Linnæus.

Eriocampidea Ashmead, Can. Ent., vol. 30, p. 256, 1898.
Type: *Eriocampidea arizonensis* Ashmead (designated).

Eriocampoides Konow, Deutsch. ent. Zeitschr., p. 239, 1890.
Type: *Tenthredo limacina* Retzius (MacGillivray, 1908).

Ermilia O. Costa, Fauna Napoli, Tenthred., p. 106, 1859.
Type: *Ermilia pulchella* O. Costa.*
=*Tenthredo agrorum* Fallén.
=**Taxonus** Hartig (isogenotypic).

Erythraspides Ashmead, in Dyar, Journ. N. Y. Ent. Soc., p. 128, 1898; also Can. Ent., vol. 30, p. 252, 1898.
Type: *Blennocampa pygmæa* Say (designated).

Eumetabolus Schulz, Spolia Hymen., p. 211, 1906.
Type: *Sirex troglodyta* Fabricius.
=*Sirex niger* Harris.
=**Astatus** Panzer.

Euryopsis W. F. Kirby, List Hym. Brit. Mus., vol. 1, p. 95, no. 45, 1882.
Type: *Euryopsis nitens* W. F. Kirby.*

Eurys E. Newman, Ent., p. 90, 1841.
Type: *Eurys æratus* E. Newman.*

Euura E. Newman, Ent. Mag., vol. 4, p. 259, January, 1837.
Type: *Euura gallæ* Newman.

Eversmannella Jakowlew, Horæ Soc. Ent. Ross., vol. 26, p. 15, no. 3, 1891.
Type: *Cephus cruentatus* Eversmann.*

Fenella Westwood, Introd. Mod. Class. Ins., vol. 2, Gen. Synop., p. 54, 1840.
Type: *Fenella nigrita* Westwood.*

Fenusa Leach, Zool. Misc., vol. 3, p. 126, no. 4, 1817.
Type: *Tenthredo* (*Emphytus*) *pumila* Klug.*

Fethalia Cameron, Journ. Bombay Soc. Nat. Hist., vol. 14, p. 439, 1902.
Type: *Fethalia nigra* Cameron.*

Gongylocorsia Konow, Ann. k. k. Hofmus., Wien, vol. 12, p. 19, 1897.
Type: *Lyda mandibularis* Zaddach.*

Gymnia Spinola, Mem. Accad. Sci. Torino, (2) vol. 13, p. 23, 1851.
Type: *Gymnia apicalis* Spinola.

Gymniopterus Ashmead, Can. Ent., vol. 30, p. 213, 1898.
Type: *Gymniopterus singularis* Ashmead (designated).

Gymnonychus Marlatt, U. S. Dept. Agr., Div. Ent., Tech. Ser. 3, p. 122, 1896.
Type: *Gymnonychus californicus* Marlatt (designated).
=**Diphadnus** Hartig.

Haplostegus Konow, Termes. Fuzetek, vol. 24, p. 70, 1901.
Type: *Haplostegus epimelas* Konow.

Harpiphorus Hartig, Fam. Blatt. Holzwesp., p. 253, 1837.
Type: *Tenthredo* (*Emphytus*) *lepidus* Klug.*

Hartigia (Schiödte) Boie. Schiödte, Kroyers Naturhistorisk Tidskrift., vol. 2, p. 332, 1838; Boie, Stett. Ent. Zeit., vol. 16, p. 49, 1855.
Type: *Astatus satyrus* Rossi.

Hemichroa Stephens, Illustr. Brit. Ent., Mandib., vol. 7, p. 55, no. 18, 1835.
Type: *Tenthredo alni* Linnæus (Westwood, 1840; Brullé, 1846).

Hemidianeura W. F. Kirby, List Hym. Brit. Mus., vol. 1, p. 48, no. 28, 1882.
Type: *Hemidianeura nigricornis* W. F. Kirby.

Hemitaxonus Ashmead, Can. Ent., vol. 30, p. 311, 1898.
Type: *Taxonus dubitatus* Norton (designated).

Hennedyia Cameron, Mem. & Proc. Manchester Lit. Phil. Soc., vol. 4, no. 4, p. 9, 1891.
Type: *Hennedyia annulitarsis* Cameron.*

Heptacola Konow, Zeitschr. syst. Hym. Dipt., vol. 5, p. 167, 1905.
Type: *Heptacola buyssoni* Konow.

Heptamelus Haliday, Nat. Hist. Rev., vol. 2, p. 60, 1835.
Type: *Melicerta ochroleuca* Stephens.*

Heterarthus Stephens, Illustr. Brit. Ent., Mandib., vol 7, p. 94, no. 25, 1835.
Type: *Tenthredo* (*Emphytus*) *ochropoda* Klug.*

Holcocneme Konow, Deutsch. ent. Zeitschr., p. 238, 1890.
Type: *Tenthredo crassa* Fallén.

Homœoneura Ashmead, Can. Ent., vol. 30, p. 313, 1898.
Type: *Tenthredo delta* Provancher (designated).
=**Bivena** MacGillivray.

Hoplocampa Hartig, Fam. Blatt. Holzwesp., p. 276, 1837.
Type: *Tenthredo* (*Allantus*) *brevis* Klug.

Hybonotus Klug, Mon. Siric. Germ., p. 8, no. 2, 1803.
Type: *Ichneumon camelus* Linnæus.
=**Xiphydria** Latreille.

Hylotoma Latreille, Hist. Nat. Crust. Ins., vol. 3, p. 302, 1802.
Type: *Tenthredo rosæ* Linnæus.*
=**Arge** Schrank.

Hypargyricus MacGillivray, Can. Ent., vol. 40, p. 290, August, 1908.
Type: *Hypargyricus infuscatus* MacGillivray (designated).

Hyperoceros Konow, Zeitschr. syst. Hym. Dipt., vol. 6, p. 369, 1906.
Type: *Hyperoceros peruanus* Konow.*

Hypolæpus W. F. Kirby, List Hym. Brit. Mus., vol. 1, p. 324, no. 103, 1882.
Type: *Hypolæpus abbotii* W. F. Kirby.*

Hypotaxonus Ashmead, Can. Ent., vol. 30, p. 311, 1898.
Type: *Strongylogaster pallipes* Say (designated).

Incalia Cameron, Trans. Ent. Soc. Lond., p. 143, 1878.
Type: *Incalia hirticornis* Cameron.*

Ischyroceræa Kiær, Tromoso Mus. Aarsk., vol. 19, p. 67, 1896 (pub. 1898).
Type: *Ischyroceræa hyperborea* Kiær.*

Isodyctium Ashmead, in Dyar, Journ. N. Y. Ent. Soc., p. 127, 1898; Can. Ent., vol. 30, p. 251, October, 1898.
Type: *Isodyctium coryicolum* Dyar (designated).

Itycorsia Konow, Ann. k. k. Hofmus., Wien, vol. 12, p. 13, 1897.
Type: *Tenthredo hieroglyphica* Christ. (Rohwer, 1910).

Janus Stephens, Illustr. Brit. Ent., Mandib., vol. 7, p. 107, no. 30, 1835.
Type: *Janus connectus* Stephens (Westwood, 1840).
=*Janus cynosbati* (Fabricius).

Jermakia Jakowlew, Horæ Ent. Soc. Ross., vol. 26, pts. 1–2, p. 58, no. 68, 1891.
Type: *Allantus cephalotes* Jakowlew.*

Kaliofenusa Viereck, Ann. Rep. N. J. State Mus., p. 591, 1909 (1910).
Type: *Fenusa ulmi* Sundevall.

Kaliosysphinga Tischbein, Stett. ent. Zeit., vol. 7, p. 79, 1846.
Type: *Kaliosysphinga dohrnii* Tischbein.*
=**Fenusa** Leach.

Kelidoptera Konow, Ann. k. k. Hofmus. Wien, vol. 12, p. 20, 1897.
Type: *Lyda maculipennis* Stein.*

Kokujewia Konow, Rev. Ent. Russe, vol. 2, p. 3, 1902.
Type: *Kokujewia ectrapela* Konow.

Konowia Brauns, Wien. ent. Zeit., vol. 3, p. 220, 1884.
Type: *Konowia megapolitana* Brauns.*

Labidarge Konow, Ent. Nachr., vol. 25, p. 309, 1899.
Type: *Labidarge bolivari* Konow.
=**Caloptilia** Ashmead.

Labidia Provancher, Addit. Faune Can. Hym., p. 21, 1886.
Type: *Labidia columbiana* Provancher.*
=*Allantus opinus* Cresson.

Lagideus Konow, Zeitschr. syst. Hym. Dipt., vol. 5, p. 160, 1905.
Type: *Lagideus crinitus* Konow.*

Lagium Konow, Zeitschr. syst. Hym. Dipt., vol. 4, p. 246, 1904.
Type: *Tenthredo atroviolaceum* Norton (designated).

Laurentia A. Costa, Rendic. Accad. Sci. Fis., Napoli, (2) vol. 4, p. 173, 1890.
Type: *Laurentia craverii* A. Costa.*
=*Tenthredo gibbosa* Fallén.

Leptocerca Hartig, Fam. Blatt. Holzwesp., p. 228, 1837.
Type: *Tenthredo alni* Linnæus.
=**Hemichroa** Stephens.

Leptocercus Thomson, Hym. Scand., vol. 1, p. 76, 1871 (an emended spelling of *Leptocerca*).
Type: *Tenthredo alni* Linnæus.
=**Hemichroa** Stephens.

Leptocimbex Semenow, Ann. Mus. St. Petersbourg, p. 95, 1896.
Type: *Leptocimbex potanini* Semenow.

Leptopus Hartig, Fam. Blatt. Holzwesp., p. 104, 1837 (non Latreille, 1809).
Type: *Nematus* (*Leptopus*) *hypogastricus* Hartig.*
=*Tenthredo luridiventris* Fallén.
=**Platycampus** Schiödte.

Liolyda Ashmead, Can. Ent., vol. 30, p. 209, 1898.
Type: *Lyda frontalis* Westwood (designated).
=**Cephaleia** Panzer.

Lisconeura Rohwer, Bul. Amer. Mus. Nat. Hist., vol. 24, p. 529, 1908.
Type: *Scolioneura vexabilis* Brues (designated).

Lithoryssus Brues, Bul. Amer. Mus. Nat. Hist, vol. 20, p. 492, fig. 1, 1906.
Type: *Lithoryssus parvus* Brues (designated).

Lithracia Cameron, Journ. Bombay Soc., vol. 14, p. 441, 1902.
Type: *Lithracia flavipes* Cameron.*

Loboceras W. F. Kirby, List Hym. Brit. Mus., vol. 1, p. 79, no. 35, 1882.
Type: *Loboceras mexicanum* W. F. Kirby.

Loderus Konow, Deutsch. ent. Zeitschr., p. 240, 1890.
Type: *Tenthredo pratorum* Fallén.

Lophyridea Ashmead, Can. Ent., vol. 30, p. 226, 1898.
Type: *Lophyrus tropicus* Norton (designated).
=**Lophyroides** Cameron.

Lophyroides Cameron, Ent. Monthl. Mag., vol. 19, p. 133, 1882.
Type: *Lophyrus tropicus* Norton (designated).

Lophyrotoma Ashmead, Can. Ent., vol. 30, p. 230, 1898.
Type: *Pterygophorus interruptus* Klug (designated).
=**Pterygophorus** Klug.

Lophyrus Latreille, Hist. Nat. Crust. Ins., vol. 3, p. 302, 1802 (non Poli).
Type: *Tenthredo pini* Linnæus.*
=**Diprion** Schrank (isogenotypic).

Lycaota Konow, Zeitschr. syst. Hym. Dipt., vol. 3, p. 147, 1903.
Type: *Selandria sodalis* Cresson.*

Lycosceles Konow, Zeitschr. syst. Hym. Dipt., vol. 5, p. 159, 1905.
Type: *Lycosceles herbsti* Konow.*

Lyda Fabricius, Syst. Piez., p. 43, no. 5, 1804.
Type: *Tenthredo sylvatica* Linnæus (Curtis, 1831).
=**Pamphilius** Latreille.

Lygæonematus Konow, Deutsch. ent. Zeitschr., p. 238, 1890.
Type: *Nematus pini* Retzius.

Macgillivraya Ashmead, Can. Ent., vol. 30, p. 257, 1898 (preoccupied).
Type: *Macgillivraya oregonensis* Ashmead (designated).
=**Macgillivrayella** Ashmead.

Macgillivrayella Ashmead, in Smith, Cat. Ins. N. J., p. 606, 1899 (n. n. for *Macgillivraya* Ashmead).
Type: *Macgillivraya oregonensis* Ashmead.

Macremphytus MacGillivray, Can. Ent., vol. 40, p. 368, October, 1908.
Type: *Harpiphorus varianus* Norton (designated).

Macrocephus Schlechtendal, Ent. Nachr., vol. 4, p. 153, 1878.
Type: *Macrocephus ulmariæ* Schlechtendal.*
=*Tenthredo linearis* Schrank, 1781.
=**Hartigia** Schiodte and Boie.

Macroclada Konow, Genera Insectorum, Fasc. 29, p. 46, 1906.
(An emended name for *Cladomacra* F. Smith.)
=**Cladomacra** F. Smith.

Macrophya Dahlbom, Conspect. Tenthred. Scand., p. 11, no. 3, 1835.
Type: *Tenthredo rusticus* Linnæus (Westwood, 1840).

Macroxyela W. F. Kirby, List. Hym. Brit. Mus., vol. 1, p. 351, no. 109, 1882.
Type: *Xyela ferruginea* Say (designated).

Manoxyela Ashmead, Can. Ent., vol. 30, p. 206, 1898.
Type: *Manoxyela californica* Ashmead (designated).
=**Pleroneura** Konow.

Marlattia Ashmead, Can. Ent., vol. 30, p. 287, 1898.
Type: *Hoplocampa laricis* Marlatt (designated).

Mastigocera Klug, 18— Reference unknown, a synonym of *Xyela* by Lepeletier, Encycl. Method., vol. 10, pt. 2, p. 577, 1828.

Megalodontes Latreille, Hist. Nat. Crust. et Ins., vol. 3, p. 302, 1802.
Type: *Tenthredo cephalotes* Fabricius (Latreille, 1810).

Megaxyela Ashmead, Can. Ent., vol. 30, p. 206, 1898.
Type: *Xyela major* Cresson (designated).

Melanopus Konow, Ann. k. k. Hofmus., Wien., vol. 12, p. 12, 1897.
Type: *Tarpa fabricii* Leach.*

Melanoselandria (Ashmead) MacGillivray, in Smith, Cat. Ins. N. J., p. 606, 1899; Can. Ent., vol. 41, p. 404, November, 1909.
Type: *Melanoselandria zabriskiei* Ashmead.*
=**Hypargyricus** MacGillivray, 1908.

Melicerta Stephens, Illustr. Brit. Ent., Mandib., vol. 7, p. 95, no. 26, 1835 (preocc.).
Type: *Melicerta ochroleucus* Stephens.*
=**Heptamelus** Haliday, 1855.

Melinia O. Costa, Fauna Napoli, Tenthred., p. 41, 1859.
Type: *Melinia minutissima* O. Costa.

Mesoneura Hartig, Fam. Blatt. Holzwesp., p. 229, 1837.
Type: *Tenthredo opaca* Fabricius.*

Messa Leach, Zool. Misc., vol. 3, p. 126, no. 3, 1817.
Type: *Tenthredo* (*Emphytus*) *hortulana* Klug.*

Metallus Forbes, 14th Rep. St. Ent. Ill. for 1884, p. 87, 1885.
Type: *Metallus rubi* Forbes.*

Micrarge Ashmead, Can. Ent., vol. 30, p. 213, 1898.
Type: *Atomocera ruficollis* Norton (designated).

Miocephala Konow, Zeitschr. syst. Hym. Dipt., vol. 7, p. 162, 1907.
Type: *Miocephala chalybea* Konow.*

Micronematus Konow, Deutsch. ent. Zeitschr., p. 239, 1890.
Type: *Nematus pullus* Förster.
=*Nematus monogyniæ* Hartig.

Mocsarya Konow, Termes. Fuzetek, vol. 20, p. 608, 1897.
Type: *Oryssus metallicus* Mocsary.*

Mogerus MacGillivray, Can. Ent., vol. 27, p. 281, October, 1895.
Type: *Tenthredo* (*Allantus*) *lineolata* Klug.
=**Periclista** Konow.

Monoctenus Dahlbom, Conspect. Tenthred. Scand., p. 7, 1835.
Type: *Tenthredo juniperi* Linnæus.*

Monophadnoides Ashmead, Can. Ent., vol. 30, p. 253, October, 1898.
Type: *Monophadnus rubi* Harris (designated).

Monophadnus Hartig, Fam. Blatt. Holzwesp., p. 271, 1837.
Type: *Tenthredo albipes* Gmelin (Ashmead, 1898).

Monoplopus Konow, Wien. ent. Zeit., vol. 15, p. 173, 1896.
Type: *Tenthredo saltuum* Linnæus.

Monosoma Viereck, Ann. Rep. N. J. State Mus., p. 583, 1909 (1910).
Type: *Pœcilostoma inferentia* Norton.*
=**Monsoma** MacGillivray.

Monostegia O. Costa, Fauna Napoli, Tenthred., p. 60, 1859.
Type: *Tenthredo abdominalis* Fabricius (MacGillivray, 1908).

Monsoma MacGillivray, Can. Ent., vol. 40, p. 368, October, 1908.
Type: *Pœcilostoma inferentia* Norton (designated).

Nematoceros Konow, Wien. ent. Zeit., vol. 15, pp. 54, 52, 1896.
Type: *Tenthredo luteola* Klug.*
=**Monostegia** Costa (isogenotypic).

Nematoneura E. André, Spec. Hym. Europe, vol. 1, pt. 2, p. 576, no. 7[b], 1881.
Type: *Nematoneura violaceipennis* André.*

Nematinus Rohwer, see p. 99.
Type: *Tenthredo abdominalis* Panzer (designated).

Nematus Panzer, Krit. Revis., vol. 2, p. 44, 1806.
Type: *Tenthredo septentrionalis* Linnæus (Latreille, 1810).

Neocharactus MacGillivray, Can. Ent., vol. 40, p. 293, August, 1908.
Type: *Neocharactus bakeri* MacGillivray (designated).

Neoeurys Rohwer, Ent. News, vol. 22, p. 472, 1910.
Type: *Neoeurys metallica* Rohwer (designated).

Neopareophora MacGillivray, Can. Ent., vol. 40, p. 289, August, 1908.
Type: *Neopareophora martini* MacGillivray (designated).

Neoperga Ashmead, Can. Ent., vol. 30, p. 232, 1898.
Type: *Perga amenaida* Kirby (designated).

Neoptilia Ashmead, Can. Ent., vol. 30, p. 213, 1898.
Type: *Neoptilia mexicana* Ashmead (designated).

Neopus Viereck, Ann. Rep. N. J. State Mus., p. 585, 1909 (1910).
Type: *Tenthredopsis quatuordecimpunctata* Norton.

Neotomostethus MacGillivray, Can. Ent., vol. 40, p. 290, August, 1908.
Type: *Neotomostethus hyalinus* MacGillivray (designated).

Nesodiprion Rohwer, Proc. U. S. Nat. Mus., vol. 39, no. 1777, p. 104, 1910.
Type: *Lophyrus japonicus* Marlatt (designated).

Nesoselandria Rohwer, Proc. U. S. Nat. Mus., vol. 38, no. 1722, p. 657, 1910.
Type: *Paraselandria imitatrix* Ashmead (designated).

Nesotaxonus Rohwer, Proc. U. S. Nat. Mus., vol. 39, no. 1777, p. 111, 1910.
Type: *Phyllotoma? flavescens* Marlatt (designated).

Nesotomostethus Rohwer, Proc. U. S. Nat. Mus., vol. 39, no. 1777, p. 106, 1910.
Type: *Blennocampa religiosa* Marlatt (designated).

Netroceros Konow, Wien. ent. Zeit., vol. 15, p. 51, 1896.
Type: *Eriocampa* (*Netroceros*) *rufiventris* Konow.

Neurotoma Konow, Ann. k. k. Hofmus., Wien, vol. 12, p. 18, 1897.
Type: *Tenthredo flaviventris* Linnæus (Rohwer, 1910).

Nortonella Rohwer, Bul. Amer. Mus. Nat. Hist., vol. 24, p. 582, 1908.
Type: *Nortonella typica* Rohwer (designated).

Nycteridium Fischer-Waldheim, Mém. Soc. Nat. Moscou, vol. 1, p. 286, 1806.
Type: *Nycteridium fischeri* Fischer.

Odontophyes Konow, Wien. ent. Zeit., vol. 18, p. 42, 1899.
Type: *Pleroneura avingrata* Dyar.*

Ophrynopus Konow, Termes. Fuzetek, vol. 20, p. 605, 1897.
Type: *Ophrynopus andrei* Konow.

Opisthoneura Ashmead, Can. Ent., vol. 30, p. 287, 1898.
Type: *Opisthoneura crevecoeuri* Ashmead (designated).
=*Hoplocampa montana* Cresson.
=**Zaschizonyx** Ashmead.

Oryssus Latreille, Préc. Car. Génér. Ins., p. 111, no. 10, 1796.
Type: *Oryssus coronatus* Fabricius (Latreille, 1810).

Pachycephus J. P. Stein, Stett. ent. Zeit., vol. 37, p. 60, 1876.
Type: *Pachycephus smyrnensis* Stein.*

Pachylosticta Klug, Ent. Mon., p. 171, 1824.
Type: *Pachylosticta tibialis* Klug.

Pachylota Westwood, Arc. Ent., vol. 1, p. 24, pl. 7, fig. 3, 1841.
Type: *Pachylota audouinii* Westwood.*

Pachynematus Konow, Deutsch. ent. Zeitschr., p. 238, 1890.
Type: *Nematus capreæ* Panzer.
=*Nematus trisignatus* Förster.

Pachyrotasis Hartig, Fam. Blatt. Holzwesp., p. 295, 1837.
Type: *Tenthredo rapæ* Linnæus (Westwood, 1840).

Palæotaxonus Brues, Bul. Mus. Comp. Zool., vol. 51, no. 10, p. 266, March, 1908.
Type: *Palæotaxonus typicus* Brues (designated).

Pamphilius Latreille, Hist. Nat. Crust Ins., vol. 3, p. 303, 1802.
Type: *Tenthredo silvatica* Linnæus.*

Pampsilota Konow, Ent. Nachr., vol. 25, p. 76, 1899.
Type: *Pampsilota afer* Konow.

Parabatus MacGillivray, Ann. Ent. Soc. Amer., vol. 2, p. 262, 1909.
Type: *Parabates histrionicus* MacGillivray (designated).

Parabia Semenow, Horæ. Soc. Ent. Ross., vol. 25, p. 174, 1890.
Type: *Parabia jokowlewi* Semenow (designated).

Paracharactus MacGillivray, Can. Ent., p. 292, August, 1908.
Type: *Paracharactus obscuratus* MacGillivray (designated).

Paralypia W. F. Kirby, List. Hym. Brit. Mus., vol. 1, p. 33, no. 17, 1882.
Type: *Paralypia picipes* Kirby.*

Paraperga Ashmead, Can. Ent., vol. 30, p. 232, 1898.
Type: *Perga jucunda* Kirby (designated).

Paraselandria Ashmead, Can. Ent., vol. 30, p. 255, 1898.
Type: *Tenthredo flavans* Klug (designated).
=**Selandria** Leach.

Parasiobla Ashmead, Can. Ent., vol. 30, p. 308, 1898.
Type: *Strongylogaster rufocinctus* Norton (designated).

Parastatis W. F. Kirby, Ent. Monthly Mag., vol. 18, p. 107, 1881.
Type: *Parastatis indica* W. F. Kirby.*

Parasyzygonia Rohwer (see p. 102).
Type: *Syzygonia cyanoptera* Klug (designated).

Parataxonus MacGillivray, Can. Ent., vol. 40, p. 367, October, 1908.
Type: *Taxonus multicolor* Norton (designated).
=**Aphilodyctium** Ashmead.

Parazarca Ashmead, in Dyar, Journ. N. Y. Ent. Soc., p. 128, 1898; also Can. Ent., vol. 30, p. 252, October, 1898.
Type: *Parazarca fumipennis* Ashmead (designated).

Paremphytus Brues, Bul. Mus. Comp. Zool., vol. 51, no. 10, p. 264, March, 1908.
Type: *Paremphytus ostentus* Brues.*

Pareophora Konow, Wien. ent. Zeit., vol. 5, pp. 184, 187, no. 3, 1886.
Type: *Pareophora luridiventris* Konow.
=*Tenthredo* (*Allantus*) *nigripes* Klug.

Paururus Konow, Wien. ent. Zeit., vol. 15, p. 43, 1896.
Type: *Sirex juvencus* Linnæus.

Pectinia Brullé, Hist. Nat. Ins. Hym., vol. 4, p. 664, 1846.
Type: *Tenthredo* (*Allantus*) *aterrima* Klug (designated).
=**Phymatocera** Dahlbom.

Pelmatopus Hartig, Fam. Blatt. Holzwesp., p. 244, 1837.
Type: *Dolerus* (*Pelmatopus*) *minutus* Hartig.*

Perantherix Westwood, Thes. Ent. Oxon., p. 109, 1874.
Type: *Perantherix pumilio* Westwood.*

Perga Leach, Zool. Misc., vol. 3, p. 115, 1817.
Type: *Perga dorsalis* Leach (Shipp, 1894).

Pergadopsis Shipp, Ent., vol. 27, pp. 339, 340, 1894.
Type: *Perga dahlbomi* Westwood (designated).

Periclista Konow, Wien. ent. Zeit., vol. 5, pp. 184, 186, no. 2, 1886.
Type: *Tenthredo* (*Allantus*) *lineolata* Klug.

Periclistoptera Ashmead, Can. Ent., vol. 30, p. 255, 1898.
Type: *Monostegia quercus-alba* Norton (designated).
Ashmead gave the type as *alba*.
=**Eriocampoides** Konow.

Perineura Hartig, Fam. Blatt. Holzwesp., p. 303, 1837.
Type: *Tenthredo rubi* Panzer.*

Peronistilus Chigi, Ann. Mus. Zool. R. Univ. Napoli, n. s. vol. 1, no. 21, p. 26,1904.
Type: *Cephus politissimus* A. Costa.*

Perreyia Brullé, Hist. Nat. Ins. Hym., vol. 4, p. 661, 1846.
Type: *Perreyia lepida* Brullé.*

Pëus Konow, Zeitschr. syst. Hym. Dipt., vol. 3, p. 315, 1903.
Type: *Pëus privus* Konow.*

Phænusa Cameron, Ent. Monthly Mag., vol. 12, p. 131, 1875.
Type: *Phænusa albipes* Cameron.
=**Messa** Leach.

Philomastix Froggatt, Proc. Linn. Soc. N. S. Wales, (2) vol. 5, p. 467, 1890.
Type: *Philomastix naucarrowi* Froggatt.

Phlebatrophia MacGillivray, Can. Ent., p. 345, October, 1909.
Type: *Phlebatrophia mathesoni* MacGillivray (designated).

Phenacoperga Cockerell, Science, n. s. vol. 27, p. 113, 1908.
Type: *Perga coloradensis* Cockerell (designated).

Phrontosoma MacGillivray, Can. Ent., vol. 40, p. 366, October, 1908.
Type: *Phrontosoma atrum* MacGillivray (designated).

Phylacteophaga Froggatt, Proc. Linn. Soc. N. S. Wales, vol. 24, p. 130, 1899.
Type: *Phylacteophaga eucalypti* Froggatt.*

Phyllœcus E. Newman, Ent. Mag., vol. 5, p. 485, 1838.
Type: *Phyllœcus faunus* E. Newman.
=**Janus** Stephens.

Phyllotoma Fallén, Mon. Tenthred. Suec., p. 25, 1829.
Type: *Phyllotoma vagans* Fallén.

Phymatocera Dahlbom, Conspect. Tenthred. Scand., p. 11, no. 2, 1835.
Type: *Tenthredo* (*Allantus*) *aterrima* Klug.*

Pinicola Brébisson, Bul. Soc. Philom. Paris, p. 116, 1818 (non Vieillot, 1805).
Type: *Pinicola julii* Brébisson.
=**Xyela** Dalman.

Plagiocera Klug, Jahrb. Insectenkunde, vol. 1, p. 227, no. 2, 1834.
Type: *Plagiocera thoracica* Klug.*

Plagioperga Shipp, Ent., vol. 27, pp. 339, 340, 1894.
Type: *Perga mayrii* Westwood (designated).

Platycampus Schiödte, Mag. Zool., vol. 9, p. 20, 1839 (footnote).
Type: *Nematus* (*Leptopus*) *hypogastricus* Hartig.

Pleroneura Konow, Ent. Nachr., vol. 23, p. 56, 1897.
Type: *Xyela dahli* Hartig.

Pœcilosoma Thomson, Scand. Hym., vol. 1, p. 227, 1871.
Emended spelling of *Pœcilostoma*.

Pœcilostoma Dahlbom, Conspect. Tenthred. Scand., p. 13, no. 8, 1835.
Type: *Tenthredo guttatum* Fallén.
=**Empria** Lepeletier.

Pœcilostomidea Ashmead, Can. Ent., vol. 30, p. 256, 1898.
Type: *Pœcilostoma maculata* Norton (designated).
=**Empria** Lepeletier.

Polybates MacGillivray, Ann. Ent. Soc. Amer., vol. 2, p. 264, 1909.
Type: *Polybates slossonæ* MacGillivray (designated).

Polyclonus W. F. Kirby, List Hym. Brit. Mus., vol. 1, p. 97, no. 48, 1882.
Type: *Polyclonus atratus* W. F. Kirby.*

Polystichophagus Ashmead, Can. Ent., vol. 30, p. 310, 1898.
Type: *Tenthredo filicis* Klug (designated).
=**Pseudotaxonus** A. Costa.

Pompholyx Freymuth, Protoc. 47me Séance Soc. Anthrop. Moscou, vol. 8, p. 216, 1870.
Type: *Pompholyx dimorpha* Freymuth.*
preocc.,=**Cacosyndia** Kirby.

Pontania O. Costa, Fauna Napoli, Tenthred., p. 20, 1859.
Type: *Nematus gallicola* Stephens (Marlatt, 1896).

Poppia Konow, Zeitschr. syst. Hym. Dipt., vol. 4, p. 263, 1904.
Type: *Poppia athaloides* Konow.*

Praia (Wankowitz) André, Spec. Hym. Europe et Algérie, vol. 1, pt. 6, 1880; p. 572, n. 3[b], 1881.
Type: *Praia taczanowskii* (Wankowitz) André.*

Priophorus Dahlbom, Conspect. Tenthred. Scand., p. 4, no. 1, 1835.
Type: *Priophorus pilicornis* Dahlbom.
=*Tenthredo padi* Linnæus.

Pristiphora Latreille, Consid. Générales, p. 294, 1810.
Type: *Pteronus testaceus* Jurine (designated).

Pristis Brullé, Hist. Nat. Ins. Hym., vol. 4, p. 665, 1846.
Type: *Tenthredo punctigera* Lepeletier.
=*Tenthredo opaca* Fabricius.
=**Mesoneura** Hartig.

Probleta Konow, Zeitschr. syst. Hym. Dipt., vol. 8, p. 161, 1908.
Type: *Probleta langei* Konow.

Prototaxonus Rohwer, Can. Ent., vol. 42, p. 49, February, 1910.
Type: *Prototaxonus typicus* Rohwer (designated).

Protemphytus Rohwer, Can. Ent., vol. 41, p. 92, March, 1909.
Type: *Emphytus coloradensis* Weldon (designated).

Pseudabia Schrottky, Ent. Rundschau, vol. 27, no. 23, p. 168, December 1, 1910.
Type: *Pseudabia fusca* Schrottky (designated).

Pseudoclavellaria Schultz, Spolia Hym., p. 87, 1906.
Type: *Tenthredo amerinæ* Linnæus.

Pseudocimbex Rohwer, Bul. Amer. Mus. Nat. Hist., vol. 24, p. 526, 1908.
Type: *Pseudocimbex clavatus* Rohwer (designated).

Pseudocyphona Ashmead, Can. Ent., vol. 30, p. 211, 1898.
Type: *Pseudocyphona mexicana* Ashmead (designated).

Pseudodineura Konow, Wien. ent. Zeit., vol. 4, p. 297, 1885.
Type: *Tenthredo* (*Allantus*) *parvula* Klug.

Pseudoperga Guérin, Icon. Regne Anim., vol. 7, Insectes, p. 398, 1845.
Type: *Perga lewisii* Westwood (Shipp, 1894).

Pseudoperga Ashmead, Can. Ent., vol. 30, p. 232, 1898 (non Guérin).
Type: *Perga polita* Leach (designated).

Pseudosiobla Ashmead, Can. Ent., vol. 30, p. 308, 1898.
Type: *Macrophya excavata* Norton (designated).

Pseudosirex Weyenbergh, Arch. Mus. Teyler, vol. 3, p. 238, 1873.
Type: *Pseudosirex darwinii* Weyenbergh.

Pseudotaxonus A. Costa, Proc. Sist. Imenott. Ital., p. 157, 1894.
Type: *Tenthredo filicis* Klug.*

Ptenos Norton, Trans. Amer. Ent. Soc., vol. 4, p. 77, 1872.
Type: *Ptenos niger* Norton.

Pteronidea Rohwer (see p. 98).
Type: *Nematus ventralis* Say (designated).

Pteronus Panzer, Krit. Revis., vol. 2, p. 46, 1806
Type: *Tenthredo pini* Linnæus.
=**Diprion** Schrank.

Pterygophorinus Ashmead, Can. Ent., vol. 30, p. 230, September, 1898.
Type: *Pterygophorus analis* O. Costa (designated).
=**Pterygophorus** Klug.

Pterygophorus Klug, Mag. Ges. naturf. Freunde Berlin, vol. 6, p. 276, 1812.
Type: *Pterygophorus cinctus* Klug (Ashmead, 1898).

Ptilia Lepeletier, Mon. Tenthred., p. 49, 1823.
Type: *Ptilia braziliensis* Lepeletier.

Rethrax Cameron, Mem. & Proc. Manchester Lit. Phil. Soc., vol. 43, no. 3, p. 32, 1899.
Type: *Rethrax carinata* Cameron.*

Rhadinoceræa Konow, Wien. ent. Zeit., vol. 5, pp. 184, 211, no. 5, 1886.
Type: *Tenthredo* (*Allantus*) *micans* Klug.

Rhagonyx Konow, Zeitschr. syst. Hym. Dipt., vol. 3, p. 108, 1903.
Type: *Rhagonyx lituratus* Konow.*

Rhipidioceros Konow, Ann. k.k. Hofmus., Wien., vol. 12, p. 2, 1897.
Type: *Tarpa flabellicornis* Germar.

Rhogogaster Konow, Deutsch. ent. Zeitschr., p. 338, 1884.
Type: *Tenthredo viridis* Linnæus.

Rhogogastera Konow, Wien. ent. Zeit., vol. 4, p. 123, 1885.
(An emended spelling for *Rhogogaster*.)

Rhopographus Konow, Ent. Nachr., vol. 25, p. 79, 1899 (n. n. for *Rhoptroceros*).
Type: *Rhoptroceros procinctus* Konow.

Rhoptroceros Konow, Ent. Nachr., vol. 24, p. 276, 1898.
Type: *Rhoptroceros procinctus* Konow.*
preocc.,=**Rhopographus** Konow.

Rusobria Cameron, Trans. Ent. Soc. Lond., p. 150, 1878.
Type: *Rusobria carinata* Cameron.

Schizocera Lepeletier, Encycl. Méthod., Ins., vol. 10, pt. 2, p. 572, 1828.
Type: *Hylotoma fuscata* Villers (Westwood, 1840).

Sciapteryx Stephens, Illustr. Brit. Ent., Mandib., vol. 7, p. 56, no. 19, 1835.
Type: *Tenthredo costalis* Fabricius.*
Sciopteryx is an incorrect spelling.

Scobina Lepeletier, Encycl. Méthod., Ins., vol. 10, pt. 2, p. 574, 1828.
Type: *Hylotoma melanocephala* Lepeletier.*

Scolioneura Konow, Deutsch. ent. Zeitschr., p. 249, 1890.
Type: *Tenthredo* (*Allantus*) *betuleti* Klug (MacGillivray, 1909).

Selandria Leach, Zool. Misc., vol. 3, p. 126, no. 3, 1817.
Type: *Tenthredo serva* Fabricius (Brullé, 1846).

Senoclia Cameron, Trans. Ent. Soc. Lond., p. 88, 1877 (n. n. for *Anisoarthra* Cameron).
Type: *Anisoarthra cœrulea* Cameron.

Sericocera Brullé, Hist. Nat. Ins. Hym., vol. 4, p. 669, 1846.
Type: *Sericocera spinolæ* Brullé.

Siobla Cameron, Trans. Ent. Soc. Lond., p. 88, 1877.
Type: *Siobla mooreana* Cameron (Ashmead, 1898).

Sirex Linnæus, Fauna Suec., ed. 29, p. 396, 1761.
Type: *Sirex gigas* Linnæus.

Sjoestedtia Konow, Schwed. Zool. Exp., Kilimandjaro, p. 1, 1907.
Type: *Sjoestedtia meruensis* Konow.*

Sphæcophilus Provancher, Addit., Faun. Canad., p. 427, 1889.
Type: *Sphæcophilus crawii* Provancher.*

Stevenia Brullé, Hist. Nat. Ins. Hym., vol. 4, p. 667, 1846.
No species.

Stirocorsia Konow, Ent. Nachr., vol. 23, p. 372, 1897.
Type: *Stirocorsia kohli* Konow.*

Stelidarge Konow, Termes. Fuzetek, vol. 24, p. 58, 1901.
Type: *Stelidarge diptycha* Konow.*

Stromboceros Konow, Wien. ent. Zeit., vol. 4, pp. 19, 20, 1885.
Type: *Tenthredo delicatulus* Fallén.

Strongylogaster Dahlbom, Conspect. Tenthred. Scand., p. 13, no. 7, 1835.
Type: *Tenthredo cingulata* Fabricius (MacGillivray, 1908).

Strongylogasteroidea Ashmead, Can. Ent., vol. 30, p. 308, 1898.
Type: *Strongylogaster aprilis* Say (designated).

Sunoxa Cameron, Mem. & Proc. Manchester Lit. Phil. Soc., vol. 43, no. 3, p. 39, 1899.
Type: *Sunoxa purpureifrons* Cameron.*

Synairema Hartig, Fam. Blatt. Holzwesp., p. 314, 1837.
Type: *Tenthredo delicatula* Klug.*

Synaptoneura Konow, Zeitschr. syst. Hym. Dipt., vol. 8, p. 160, 1908.
Type: *Synaptoneura boliviensis* Konow.*

Syrista Konow, Wien. ent. Zeit., vol. 15, p. 152, 1896.
Type: *Cephus parreyssi* Spinola.*

Syzygonia Klug, Ent. Monogr., p. 175, 1824.
Type: *Syzygonia cyanocephala* Klug (Ashmead, 1898).

Syzygonidea Ashmead, Can. Ent., vol. 30, p. 230, September, 1898.
Type: *Syzygonia cyanea* Brullé (designated).

Tanymeles Konow, Zeitschr. syst. Hym. Dipt., vol. 6, p. 244, 1906.
Type: *Tanymeles hilarulus* Konow.*

Tanyphatna Konow, Zeitschr. syst. Hym. Dipt., vol. 6, p. 187, 1906.
Type: *Tanyphatna pellos* Konow.

Tarpa Fabricius, Syst. Piez., p. 19, no. 2, 1804.
Type: *Tarpa cephalotes* Fabricius (Westwood, 1840).
=**Megalodontes** Latreille.

Taxonus Hartig, Fam. Blatt. Holzwesp., p. 297, 1837.
Type: *Tenthredo* (*Allantus*) *nitida* Klug) (= *Tenthredo agorum* Fallén) (Konow, 1896).
Rohwer's remarks (Proc. U. S. Nat. Mus., vol. 39, no. 1777, p. 111, 1910) are incorrect. The type must be *Tenthredo agorum* Fallén. *Ermilia* O. Costa is a synonym, being isogenotypic with *Taxonus*.

Tenthredella Rohwer, Proc. U. S. Nat. Mus., vol. 39, no. 1777, p. 117, 1910.
Type: *Tenthredo atra* Linnæus (designated).
=**Tenthredo** authors, not Linnæus.

Tenthredina Rohwer, Proc. U. S. Nat. Mus., vol. 39, no. 1777, p. 116, 1910.
Type: *Tenthredo flavida* Marlatt (designated).

Tenthredo Linnæus, Syst. Nat., ed. 10, vol. 1, p. 343, no. 213, p. 555, no. 214, 1758.
Type: *Tenthredo scrophulariæ* Linnæus (Latreille, 1810).

Tenthredopsis O. Costa, Fauna Napoli, Tenthred., p. 98, 1859.
Type: *Tenthredo tessellata* Klug.

Teredon Norton, Trans. Amer. Ent. Soc., vol. 2, p. 366, 1869.
Type: *Tremex cubensis* Cresson.

Teredonia W. F. Kirby, List Hym. Brit. Mus., vol. 1, p. 386, no. 7, 1882 (n. n. for *Teredon* Norton).
Type: *Tremex cubensis* Cresson.

Tetratneura Ashmead, Can. Ent., vol. 30, p. 256, 1898.
Type: *Monostegia ignota* Norton (designated).
=**Empria** Lepeletier.

Themos Norton, Trans. Amer. Ent. Soc., vol. 1, p. 58, no. 19, 1867.
Type: *Themos hyalinus* Norton.*

Thomsonia Konow, Deutsch. ent. Zeitschr., p. 227, 1884.
Type: *Perineura thomsonia* Konow.

Thrinax Konow, Wien. ent. Zeit., vol. 4, pp. 19, 22, 1885.
Type: *Strongylogaster contigua* Konow (MacGillivray, 1908).

Thulea Say, Bost. Journ. Nat. Hist., vol. 1, no. 3, p. 214, 1836.
Type: *Thulea nigra* Say.*

Tomostethus Konow, Wien. ent. Zeit., vol. 5, pp. 184, 214, no. 7, 1886.
Type: *Tenthredo nigrita* Fabricius.

Topotrita W. F. Kirby, List Hym. Brit. Mus., vol. 1, p. 48, no. 27, 1882.
Type: *Hylotoma* (*Schizocera*) *leucocephala* Klug.*

Trachelus Jurine, Nouv. Méthod. Class. Hym., p. 70, pl. 2, fig. 9, 1807.
Type: *Sirex tabidus* Fabricius.

Trailia Cameron, Trans. Ent. Soc. Lond., p. 148, 1878.
Type: *Trailia analis* Cameron.

Tremex Jurine, Nouv. Méthod. Class. Hym., p. 80, 1807.
Type: *Sirex fuscicornis* Fabricius (Latreille, 1810).

Trichiocampus Hartig, Fam. Blatt. Holzwesp., p. 176, 1837.
Type: *Nematus grandis* Lepeletier.
=*Tenthredo viminalis* Fallén.

Trichiosoma Leach, Zool. Misc., vol. 3, p. 108, no. 2, 1817.
Type: *Tenthredo lucorum* Linnæus (Curtis, 1824).

Trichiosomites Brues, Bul. Mus. Comp. Zool., vol. 51, no. 10, p. 259, March, 1908.
Type: *Trichiosomites obliviosus* Brues.*

Trichorhachus W. F. Kirby, List Hym. Brit. Mus., vol. 1, p. 39, no. 21, 1882.
Type: *Trichorhachus nitidus* W. F. Kirby.

Trichorrhachus Konow, Genera Insectorum, fasc. 29, p. 15, 1906.
Misspelling of *Trichorhachus*.

Trichotaxonus Rohwer, Proc. Ent. Soc. Wash., vol. 12, p. 30, 1910.
Type: *Trichotaxonus readi* Rohwer (designated).

Tristactus Konow, Ann. k. k. Hofmus., Wien., vol. 12, p. 12, 1897.
Type: *Lyda judaicus* Lepeletier.*

Tristegus Konow, Zeitschr. syst. Hym. Dipt., vol. 6, p. 370, 1906.
Type: *Tristegus mimarius* Konow.*

Tritokreion Schilling, Übers. Arbeit. schles. Ges. Vaterl. cultur., *i*, *j*, p. 43, 1825.
No species.

Trochophora Konow, Zeitschr. syst. Hym. Dipt., vol. 5, p. 158, 1905.
Type: *Trochophora duckei* Konow.*

Urocerites Heer, Denkschr. schweiz. Ges. Natur., vol. 22, p. 36, 1867.
Type: *Urocerites spectabilis* Heer.

Urocerus (Geoffroy) Latreille. Geoffroy, Hist. Abr. Ins., vol. 2, p. 264, 1762; Latreille, Hist. Nat. Crust. Ins., p. 304, 1802.
Type: *Sirex gigas* Linnæus (Westwood, 1840).
=**Sirex** Linnæus.

Waldheimia Brullé, Hist. Nat. Ins. Hym., vol. 4, p. 665, 1846.
Type: *Waldheimia braziliensis* Lepeletier (designated).

Xenapates W. F. Kirby, List. Hym. Brit. Mus., vol. 1, p. 180, no. 67, 1882.
Type: *Dineura (?) africana* Cameron.*

Xeris A. Costa, Prosp. Sist. Imenn. Ital., vol. 3, p. 259, 1894.
Type: *Ichneumon spectrum* Linnæus.*

Xiphidion Provancher, Nat. Can., vol. 7, p. 374, 1875.
Type: *Xiphidion canadense* Provancher.*
=*Xiphydria provancheri* Cresson.

Xiphiura Fallén, Spec. Nov. Hym. Disp. Method, p. 11, no. 7, 1813.
No species included.

Xiphydria Latreille, Hist. Nat. Crust. Ins., vol. 3, p. 304, 1802.
Type: *Ichneumon camelus* Linnæus.*

Xyela Dalman, Svensk. Vet.-Akad. Handl., vol. 40, p. 122, no. 3, pl. 6, figs. 1–11, 1899.
Type: *Xyela pusilla* Dalman (Curtis, 1824).

Xyloecermatium L. Heyden, Berl. ent. Zeitschr., vol. 12, p. 227, 1868, (n. n. for *Xyloterus* Hartig, non Erichson).
Type: *Sirex fuscicornis* Fabricius.
=**Tremex** Jurine.

Xyloperga Shipp, Ent., vol. 27, pp. 339, 340, 1894.
Type: *Perga hallidayi* Westwood (designated).

Xyloterus Hartig, Fam. Blatt. Holzwesp., p. 385, 1837 (non Erichson, 1836).
Type: *Sirex fuscicornis* Fabricius.
=**Tremex** Jurine.

Zaræa Leach, Zool. Misc., vol. 3, p. 113, no. 4, 1817.
Type *Tenthredo fasciata* Linnæus.*

Zarca Cameron, Trans. Ent. Soc. Lond., p. 142, 1878.
Type: *Zarca apicalis* Cameron.*

Zaschizonyx Ashmead, Can. Ent., vol. 30, p. 257, 1898.
Type: *Hoplocampa montana* Cresson (designated).

AN INDEX TO THE GENOTYPES.

EXPLANATORY.

The following index includes (1) the name of the species, (2) the name of its author, (3) the name of the genus in which it was originally described, and (4) the name of the genus of which it is the genotype. When a species given in the index is a synonym of another genotype, a cross-reference is given to the genotype of which it is a synonym. When a species was originally placed in the genus of which it is the genotype, only one generic name is given. Species placed in subgenera by older writers are cited in the subgenus only.

abbotii W. F. Kirby (Hypolæpus).
abdominalis Fabricius (Tenthredo, Monostegia).
abdominalis Panzer (Tenthredo, Nematinus).
æratus Newman (Eurys).
æthiops Fabricius (Tenthredo, Endelomyia).
afer Konow (Pampsilota).
africana Cameron (Dineura?, Xenapates).
agrorum Fallén (Tenthredo, Ermilia).
"alba" Norton (Monostegia, Periclistoptera).
albipes Cameron (Phænusa).
albipes Konow (Anapeptamena).
albipes Gmelin (Tenthredo, Monophadnus).
albiventris Klug (Allantus, Periclista).
albodopictus Norton (Taxonus, Epitaxonus).

alni Linnæus (Tenthredo, Hemichroa).
alni Linnæus (Tenthredo, Leptocerca [=Hemichroa]).
alni Linnæus (Tenthredo, Leptocercus [=Hemichroa]).
alternans A. Costa (Anoplolyda).
amenaida W. F. Kirby (Perga, Neoperga).
amerinæ Linnæus (Tenthredo, Pseudoclavellaria).
analis Cameron (Trailia).
analis O. Costa (Pterygophorus, Pterygophorinus).
andrei Konow (Ophrynopus).
annulitarsis Cameron (Hennedyia).
apicalis Cameron (Zarca).
apicalis Say (Strongylogaster, Strongylogasteroidea).
apicalis Spinola (Gymnia).
armenius Konow (Ateuchopus).
arizonensis Ashmead (Eriocampidea).
arizonensis Ashmead (Eriocampidea, Cockerellonis [=Eriocampidea]).
aterrima Klug (Allantus, Pectinia).
athalioides Konow (Poppia).
atra Linnæus (Tenthredo, Tenthredella).
atratus W. F. Kirby (Polyclonus).
atroviolaceum Norton (Tenthredo, Lagium).
atrum MacGillivray (Phrontosoma).
aterrima Klug (Allantus, Phymatocera).
audouinii Westwood (Pachylota).
avingrata Dyar (Pleroneura, Odontophyes).
bakeri MacGillivray (Neocharactus).
betuleti Klug (Allantus, Scolioneura).
bipunctata Klug (Allantus, Ardis).
boliviensis Konow (Synaptoneura).
bolivari Konow (Labidarge).
braunsi Konow (Didocha).
braziliensis Lepeletier (Ptilia).
braziliensis Lepeletier (Waldheimia).
brevicornis Fallén (Hylotoma, Aprosthema).
brevis Klug (Allantus, Hoplocampa).
buquetii Spinola (Aulacomerus).
buyssoni Konow (Heptacola).
californica Ashmead (Manoxyela).
californicus Marlatt (Gymnonychus).
camelus Linnæus (Ichneumon, Hybonotus).
camelus Linnæus (Ichneumon, Xiphydria).
cameroni Westwood (Perga, Acanthoperga).
canadense Provancher (Xiphidion).
capreæ Panzer (Tenthredo, Pachynematus).
carinata Cameron (Rethrax).
carinata Cameron (Rusobria).
cephalotes Fabricius (Tarpa).
cephalotes Fabricius (Tenthredo, Megalodontes).
cephalotes Jakowlew (Allantus, Jermakia).
cestatus Konow (Clydostomus).
chalybea Konow (Miocephala).
cinctus Klug (Pterygophorus).
cinctus Linnæus (Tenthredo, Emphytus).
cingulata Fabricius (Tenthredo, Strongylogaster).
cinxia Klug (Allantus, Caliroa).
clavatus Rohwer (Pseudocimbex).
cœrulea Cameron (Anisoarthra [Senoclia]).
cœrulea Cameron (Anisoarthra, Senoclia).
coloradensis Cockerell (Perga, Phenacoperga).
coloradensis Weldon (Emphytus, Protemphytus).
columbiana Provancher. (Labidia. See opimus Cresson.)
compressus Fabricius (Sirex, Ephippinotus).
connectens Stephens (Janus).
consobrina Klug (Tenthredo, Eniscia).
contigua Konow (Strongylogaster, Thrinax).
coronatus Fabricius (Tenthredo, Oryssus).
coronatus Klug (Emphytus, Aneugmenus).
coryicolum Dyar (Isodyctium).
costalis Fabricius (Tenthredo, Sciapteryx).
crassa Fallén (Tenthredo, Holcocneme).
craverii A. Costa (Laurentia).
crawii Provancher (Sphacophilus).
cressoni Westwood (Perga, Camptoperga).
crevecoeuri Ashmead (Opisthoneura. See montana Cresson).
crinitus Konow (Lagideus).
crudum Konow (Eriglenum).
cruentatus Eversmann (Cephus, Eversmannella).
cubensis Cresson (Tremex, Teredon [=Teredonia]).
cubensis Cresson (Tremex, Teredonia).
cyanea Brullé (Syzygonia, Syzygonidea).

cyanocephala Klug (Syzygonia).
cyanocephala Klug (Syzygonia, Bergiana).
cyanoptera Klug (Syzygonia, Parasyzygonia).
cynosbati Linnæus (Cephus, Janus).
cynosbati Linnæus (Cephus, Phyllœcus [=Janus]).
dahlbomi Thomson (Cænoneura).
dahlbomi Westwood (Perga, Pergadopsis).
dahli Hartig (Xyela, Pleroneura).
darwinii Weyenbergh (Pseudosirex).
debilicornis Konow (Brachyphatnus).
debilis Say (Atomacera).
decora Konow (Acidiophora).
defessus Scudder (Atocus).
degeeri Klug (Allantus, Dineura).
delicatulus Fallén (Tenthredo, Stromboceros).
delicatula Klug (Tenthredo, Synairema).
delta Provancher (Tenthredo, Bivena).
delta Provancher (Tenthredo, Homœoneura [=Bivena]).
difformis Panzer (Tenthredo, Cladius).
dimorpha Freymuth (Pompholyx [=Cacosyndia]).
dimorpha Freymuth (Pompholyx, Cacosyndia).
diptycha Konow (Stelidarge).
divergens W. F. Kirby (Clarissa).
dohrnii Tischbein (Kaliosysphinga).
dorsalis Say (Acordulecera).
dorsalis Leach (Perga).
dubitatus Norton (Taxonus, Hemitaxonus).
duckei Konow (Trochophora).
eburneiguttatum W. F. Kirby (Aglaostigma).
ectrapela Konow (Kokujewia).
eglanteriæ Fabricius (Tenthredo, Dosytheus).
ellisii Curtis (Dielocerus).
epimelas Konow (Haplostegus).
equiseti Fallén (Tenthredo, Taxonus).
erythrocephala Linnæus (Tenthredo, Acantholyda).
eucalypti Froggatt (Phylacteophaga).
excavata Norton (Macrophya, Pseudosiobla).
fabricii Leach (Tarpa, Melanopus).
fallax Lepeletier (Nematus, Amauronematus).
fasciata Linnæus (Tenthredo, Zaræa).
fascipennis Norton (Selandria, Calozarca.
faunus Newman. (Phyllœcus. See cynosbati Linnæus).
ferruginea Say (Xyela, Macroxyela).
filiceti Klug (Blasticotoma).
filiformis Eversmann (Cephus, Calameuta).
filicis Klug (Tenthredo, Polystichophagus [=Pseudotaxonus]).
filicis Klug (Tenthredo, Pseudotaxonus).
flabellicornis Germar (Tarpa, Rhipidioceros).
flavescens Marlatt (Phyllotoma?, Nesotaxonus).
flavida Marlatt (Tenthredo, Tenthredina).
floricola O. Costa (Ebolia).
flavens Klug (Tenthredo, Paraselandria).
flavipes Cameron (Lithracia).
flaviventris Linnæus (Tenthredo, Neurotoma).
frontalis Westwood (Lyda, Liolyda).
fulvipes A. Costa (Amestastegia).
fumipennis Ashmead (Parazarca).
fumipennis Westwood (Brachytoma).
fumipennis W. F. Kirby (Acherdocerus).
furcata Fabricius (Hylotoma, Cyphona).
furcata Villers (Hylotoma, Schizocera).
fusca Schrottky (Pseudabia).
fuscicornis Hartig (Diphadnus).
fuscicornis Fabricius (Sirex, Tremex).
fuscicornis Fabricius (Sirex, Xylœcermatium [=Tremex]).
fuscicornis Fabricius (Sirex, Xyloterus [=Tremex]).
gallicola Stephens (Nematus, Pontania).
gallæ Newman. (Euura. See medullaris Hartig).
gigas Linnæus (Sirex).
gigas Linnæus (Sirex, Urocerus [=Sirex]).
gonager Jurine (Dolerus).
grandis Lepeletier. (Trichocampus. See viminalis Fallén.)
grandis Philippi (Brachyxiphus).
guttatum Fallén (Tenthredo, Pœcilostoma).
hallidayi Westwood (Perga, Xyloperga).
healæi E. Newman. (Camponiscus. See luridiventris Fallén.)
herbsti Konow (Lycosceles).
hieroglyphica Christ (Tenthredo, Itycorsia).
hilarulus Konow (Tanymeles).
hirticornis Cameron (Incalia).
histrionicus MacGillivray (Parabates).

hortulana Klug (Emphytus, Messa).
hyalinus MacGillivray (Neotomostethus).
hyalinus Norton (Themos).
hyperborea Kiaer (Ischyroceræa).
hypogastricus Hartig. (See luridiventris Fallén.)
ianthe E. Newman (Fenusa, Asticta).
ignota Norton (Monostegia, Tetratneura).
imitatrix Ashmead (Paraselandria, Nesoselandria).
imperialis Smith (Hylotoma, Athermanthus).
incisa Cameron (Allomorpha).
indica W. F. Kirby (Parastitis).
inferentia Norton (Pœcilostoma, Monsoma).
inferentia Norton (Pœcilostoma, Monosoma [=Monsoma]).
infuscatus MacGillivray (Hypargyricus).
inopenus Konow (Canonias).
insolita Konow (Cladiucha).
interruptus Klug (Pterygophorus, Lophyrotoma).
jakowleffi Konow (Cænocephus).
jakowleffi Konow (Dinax).
jakowlewi Semenow (Parabia).
jantheria Klug (Hylotoma, Cibdela).
japonica Marlatt (Lophyrus, Nesodiprion.)
jucunda W. F. Kirby (Perga, Paraperga).
judaicus Lepeletier (Lyda, Tristactus).
julii Brébisson (Pinicola [=Xyela]).
julii Brébisson (Pinicola, Xyela).
juniperi Linnæus (Tenthredo, Monoctenus).
juvencus Linnæus (Sirex, Paururus).
klugii Burmeister (Athlophorus).
kohli Konow (Stirocorsia).
koreana Konow (Corymbas).
læta Westwood (Dictynna).
langei Konow (Probleta).
laricis Marlatt (Hoplocampa, Marlattia).
lepida Brullé (Perreyia).
lepidus Klug (Emphytus, Asticta [=Harpiphorus]).
lepidus Klug (Emphytus, Harpiphorus).
leprieurii Spinola (Camptoprium).
leucocephala Klug (Schizocera, Topotrita).
lewisii Westwood (Perga, Pseudoperga).
limacina Retzius (Tenthredo, Eriocampoides).
lituratus Konow (Rhagonyx).
lobatus MacGillivray (Aphanisus).
lucorum Linnæus (Tenthredo, Trichiosoma).
luridiventris Fallén (Tenthredo, Camponiscus [=Platycampus]).
luridiventris Fallén (Tenthredo, Leptopus [=Platycampus]).
luridiventris Fallén (Tenthredo, Platycampus).
luridiventris Konow. (Pareophora. See nigripes Klug.)
lutea Linnæus (Tenthredo, Clavellaria).
lutea Linnæus (Tenthredo, Cimbex).
luteola Klug (Tenthredo, Nematoceros).
luteiventris O. Costa. (Ephippinotus. See compressus Fabricius.)
macropus Smith (Cladomacra).
maculata Marlatt (Cimbex, Agenocimbex).
maculata Norton (Pœcilostoma, Pœcilostomidea).
maculipennis Stein (Lyda, Celidoptera).
maculipennis Stein (Lyda, Kelidoptera).
magrettii Konow (Colochelyna).
major Cresson (Xyela, Megaxyela).
major O. Costa. (See satyrus Panzer.)
mandibularis Zaddach (Lyda, Gongylocorsia).
maria MacGillivray. (Bivena. See delta Provancher.)
martini Lepeletier (Hylotoma, Didymia).
martini MacGillivray (Neopareophora).
mathesoni MacGillivray (Phlebatrophia).
mayrii Westwood (Perga, Plagioperga).
medullaris Hartig (Cryptocampus).
megapolitana Brauns (Konowia).
melanocephala Lepeletier (Hylotoma, Scobina).
meruensis Konow (Sjoestedtia).
metallica Rohwer (Neoeurys).
metallicus Mocsary (Oryssus, Mocsarya).
mexicana Ashmead (Neoptilia).
mexicana Ashmead (Pseudocyphona).
mexicanum W. F. Kirby (Loboceras).
nigripes Klug (Allantus, Pareophora).
mimarius Konow (Tristegus).
minutissima O. Costa. (Melina. See nigrita Westwood.)
minutus Hartig (Pelmatopus).
montana Cresson (Hoplocampa, Opisthoneura [=Zaschizonyx]).
montana Cresson (Hoplocampa, Zaschizonyx).
mooreana Cameron (Siobla).
moricei Konow (Characophygus).

morio Konow (Dulophanes).
multicolor Norton (Taxonus, Parataxonus).
naucarrowi Froggatt (Philomastix).
nemorata Fallén (Phyllotoma, Druida).
niger Norton (Ptenos).
nigra Cameron (Fethalia).
nigra Say (Thulea).
nigrescens Rohwer (Diphamorphos).
nigrita Fabricius (Tenthredo, Tomostethus).
nigrita Westwood (Fenella).
nigrita Westwood (Fenella, Melinia).
nigricornis W. F Kirby (Hemidianeura).
nitens W. F. Kirby (Euryopsis).
nitidus W. F. Kirby (Trichorhachus).
obliviosus Brues (Trichiosomites).
obscura Linnæus (Tenthredo, Amasis).
obscuratus MacGillivray (Paracharactus).
occidentalis MacGillivray. (Cockerellonis. See arizonensis Ashmead.)
ochroleucus Stephens (Melicerta [=Heptamelus]).
ochroleuca Stephens (Melicerta, Heptamelus).
ochropoda Stephens (Heterarthus, Decatria).
ochropoda Klug (Emphytus, Heterarthus).
œningensis Heer (Cephites).
opaca Fabricius (Tenthredo, Mesoneura).
opaca Fabricius (Tenthredo, Pristis [=Mesoneura]).
opimus Cresson (Allantus, Labidia).
oregonensis Ashmead (Macgillivraya [=Macgillivrayella]).
oregonensis Ashmead. (Macgillivraya, Macgillivrayella).
ostentus Brues (Paremphytus).
ovata Linnæus (Tenthredo, Eriocampa).
padi Linnæus (Tenthredo, Priophorus).
parreyssi Spinola (Cephus, Syrista).
pallimacula Lepeletier (Empria).
pallipes Say (Strongylogaster, Hypotaxonus).
parviceps Newman. (See nemorata Fallén.)
parvulus Klug (Allantus, Pseudodineura).
parvus Brues (Lithoryssus).
pectoralis Lepeletier (Nematus, Anoplonyx).
pellos Konow (Tanyphatna).
perplexus Konow (Emphyoides).
peruanus Konow (Hyperoceros).
picipes W. F. Kirby (Paralypia).
pictipennis Smith (Derecyrta).
pilicornis Dahlbom. (Priophorus. See padi Linnæus.)
pinguis Say (Strongylogaster, Dimorphopteryx).
pini Linnæus (Tenthredo, Anachoreta [=Diprion]).
pini Linnæus (Tenthredo, Diprion).
pini Linnæus (Tenthredo, Lophyrus [=Diprion]).
pini Retzius (Nematus, Lygæonematus).
plumicornis Guérin (Oryssus, Chalinus).
polita Leach (Perga, Pseudoperga).
politissimus A. Costa (Cephus, Peronistilus).
pratorum Fallén (Tenthredo, Loderus).
præcox Föerster (Epitactus).
privus Konow (Pëus).
procer Konow (Bathyblepta).
procinctus Konow (Rhoptroceros [=Rhopographus]).
procinctus Konow (Rhoptroceros, Rhopographus).
pulchella O. Costa. (Ermilia. See agorum Fallén.)
pullus Föerster (Nematus, Micronematus).
pumila Klug (Allantus, Entodecta).
pumila Klug (Cephalocera [=Corynophilus]).
pumila Klug (Cephalocera, Corynophilus).
pumila Klug (Emphytus, Aphadnurus [=Fenusa]).
pumila Klug (Emphytus, Fenusa).
pumilio Westwood (Perantherix).
punctigera Lepeletier. (Pristis. See opaca Fabricius.)
purpureifrons Cameron (Sunoxa).
pusilla Dalman. (Xyela. See julii Brébisson).
pusilla Klug (Allantus, Blennocampa).
pygmæus Linnæus (Sirex, Cephus).
pygmæa Say (Blennocampa, Erythraspides).
quattuordecimpunctata Norton (Tenthredo, Neopus).
rapæ Linnæus (Tenthredo, Pachyrotasis).
reedi Rohwer (Trichotaxonus).
reitteri Konow (Rhadinoceræa).
religiosa Marlatt (Blennocampa, Nesotomostethus).
reticulata Linnæus (Tenthredo, Cænolyda).

rosæ Harris. (Endelomyia. See æthiops Fabricius.)
rosæ Linnæus (Tenthredo, Corynia [=Hylotoma]).
rosæ Linnæus (Tenthredo, Hylotoma).
rosarum Imhof et Labram. (See rosæ Linnæus.)
rotundiventris Cameron (Macrophya, Dipteromorpha).
rubi Forbes (Metallus).
rubi Harris (Hoplocampa, Monophadnoides).
rubi Panzer (Tenthredo, Perineura).
rubripes Cresson (Strongylogaster, Aphilodyctium).
rufocinctus Norton (Strongylogaster, Parasiobla).
ruficollis Norton (Atomacera, Micrarge).
rufiventris Konow (Netroceros).
rugifrons Cameron (Beldonea).
rusticus Linnæus (Tenthredo, Macrophya).
saltuum Linnæus (Tenthredo, Monoplopus).
satyrus Panzer (Astatus, Cerobactrus [=Hartigia]).
satyrus Panzer (Astatus, Hartigia),
scapularis Lepeletier (Coryna).
scrophulariæ Linnæus (Tenthredo).
scrophulariæ Linnæus (Tenthredo, Allantus [=Tenthredo]).
scutellata W. F. Kirby (Cerealces).
sebetia O. Costa (Caliroa).
septentrionalis Linnæus (Tenthredo, Crœsus [=Nematus]).
septentrionalis Linnæus (Tenthredo, Nematus).
sericea Linnæus (Tenthredo, Abia).
serva Fabricius (Tenthredo, Selandria).
signata Fabricius (Tenthredo, Cephaleia).
sikkemensis Konow (Conaspidia).
singularis Ashmead (Gymniopterus).
sjostedti Konow (Distega).
slossonæ MacGillivray (Polybates).
smyrnensis Stein (Pachycephus).
sodalis Cresson (Selandria, Lycaota).
spectabilis Heer (Urocerites).
spectabilis MacGillivray (Ceratulus).
spectrum Linnæus (Ichneumon, Xeris).
spinarum Fabricius (Tenthredo, Athalia).
spinolæ Brullé (Seriocera).
stigmaticalis Cameron (Anisoneura [=Beleses]).
stigmaticalis Cameron (Anisoneura, Beleses).
strahlendorffi Konow (Electrocephalus).
sturnii Klug (Tenthredo, Encarsioneura).
sylvatica Linnæus (Tenthredo, Lyda [=Pamphilius]).
sylvatica Linnæus (Tenthredo, Pamphilius).
syringæ Gradl (Cephosoma).
tabidus Fabricius (Sirex, Trachelus).
taczanowskii André (Praia).
tantillus O. Costa (Aphadnurus).
tessellata Klug (Tenthredo, Tenthredopsis).
testaceus Jurine (Pteronus, Pristiphora).
testacea W. F. Kirby (Decameria).
thomsoni Konow (Perineura, Thomsonia).
thoracica Klug (Plagiocera).
tibialis Klug (Pachylosticta).
trimaculatus Say (Cephus, Adirus).
troglodytes Klug (Astatus).
tropicus Norton (Lophyrus, Lophyridea [=Lophyroides]).
tropicus Norton (Lophyrus, Lophyroides).
truculenta Konow (Braunsiola).
townsendi Ashmead (Caloptilia).
typica Rohwer (Claremontia).
typica Rohwer (Nortonella).
typicus Brues (Palæotaxonus).
typicus Rohwer (Prototaxonus).
ulmi Sundevall (Fenusa, Kaliofenusa).
vafer Linnæus (Tenthredo, Bactroceros).
vagans Fallén (Phyllotoma).
varianus Norton (Harpiphorus, Macremphytus).
varinervis Spinola (Tenthredo, Antholeus).
varipes Cameron (Ancyloneura).
ventralis Say (Nematus, Pteronidea).
vexabilis Brues (Scolioneura, Lisconeura).
viduatus Zetterstedt (Nematus, Brachycolus).
viminalis Fallén (Tenthredo, Trichiocampus).
violaceipennis André (Nematoneura).
viridipes Cameron (Busarbia).
viridis Linnæus (Tenthredo, Rhogogaster).
volupis Konow (Cerospastus).
ulmariæ Schlechtendal (Macrocephus).
ustulatus Linnæus (Tenthredo, Cryptus).
weithii Ashmead (Acanthoptenos).
westwoodii Brullé (Dictynna).
zabriskiei Ashmead (Melanoselandria).

SYNONYMY OF CERTAIN GENERA.

By cross-reference in the index to the genotypes it was found that certain genera were isogenotypic. In some of these cases new names were needed. New names and certain synonymy are given below.

THE SYNONYMS OF HARTIGIA SCHIÖDTE AND BOIE.

Schiödte (Kroyers Naturhistorisk Tidsskrift, vol. 2, p. 332, 1838) gave the name *Hartigia* for a certain cephid insect which differed from *Cephus pygæmus* in characters of the antennæ. This species was not named, however, so the genus was without standing until 1855, when F. Boie (Stett. ent. Zeit., vol. 16, p. 49) stated that *Astatus satyrus* was the species which Schiödte had. This gives *Hartigia* standing and makes *satyrus* the type—the genus being monobasic.

The genotypes of the genera *Cerobactrus* O. Costa and *Cephosoma* Gradl are identical specifically with *satyrus;* consequently these generic names fall to the older name *Hartigia*. The species *satyrus* is also congeneric with *Macrocephus ulmariæ* Schlechtendal (=*Tenthredo linearis* Schrank), so *Macrocephus* is a synonym of *Hartigia*. The synonymy, therefore, is as follows:

Hartigia Schiödte and Boie, 1855.
Cerobactrus O. Costa, 1860.
Macrocephus Schlechtendal, 1878.
Cephosoma Gradl, 1881.

PTERONUS Panzer=DIPRION Schrank.

Panzer, in the original description of *Pteronus*, included the following species in the order named: *Hylotoma frutetorum* Fabricius, *Hylotoma dorsata* Fabricius, *Hylotoma juniperi* Fabricius, *Tenthredo pini* Linnæus, and *Tenthredo difformis* Panzer. As the present-day conception of *Pteronus* has to be changed, no species originally included belonging to *Pteronus* Konow and authors, *Tenthredo pini* Linnæus has been chosen as the type, making *Pteronus* Panzer and *Diprion* Schrank isogenotypic. *Diprion* is the older name, so *Pteronus* Panzer is a synonym of *Diprion* Schrank.

Diprion Schrank, 1802.
Pteronus Panzer, 1806.

PTERONIDEA, N. N. FOR PTERONUS Konow and authors.

Pteronus Panzer being a synonym of *Diprion* Schrank, *Pteronus* Konow and authors is without a name. For this the name PTERONIDEA may be used. The type of *Pteronidea* is *Nematus ventralis* Say, which is congeneric with Konow's interpretation of *Tenthredo myosotides* Fabricius.

THE SYNONYMS OF PLATYCAMPUS SCHIÖDTE.

Hartig, in 1837 (Fam. Blatt. Holzwesp., p. 184), described the subgenus *Leptopus* for a new species, *hypogastricus*, which has proved to be the same as *Tenthredo luridiventris* Fallén (1808). The name *Leptopus* had already (Latreille, 1809) been used for a genus of Hemiptera. Schiödte (Magasin de Zool., vol. 9, p. 20, footnote, 1839) proposed the name *Platycampus* for *Leptopus* Hartig.

E. Newman (Ent., vol. 4, pp. 215–217, 1869) describes the larva and adult of a sawfly under the name *Camponiscus healæi*. The adult is very poorly characterized and unrecognizable, but in 1873 (Ent. Monthl. Mag., vol. 10, p. 84) P. Cameron says he has reared the same larva as Newman describes, and that the adult is the same as *Nematus* (*Leptopus*) *hypogastricus* Hartig. This synonymy establishes the genus *Camponiscus* and makes it the same as *Leptopus* Hartig, the two genera being isogenotypic.

F. W. Konow (Genera Insectorum, Fasc. 29, p. 48, 1906) uses the name *Leptocercus* Thomson (a changed spelling for *Leptocerca* Hartig) for this genus, but in this he is wrong, because Thomson divides *Leptocercus* into *Leptocercus* s. s., which contains *Tenthredo alni* Linnæus, *Tenthredo rufa* Panzer, and *Leptocercus nigriceps* Thomson, and is Hartig's genus *Leptocerca*. The second division of Thomson's *Leptocercus* is *Leptopus* Hartig and contains *Tenthredo luridiventris* Fallén. The *Leptocercus* Thomson s. s. is *Leptocerca* Hartig, not *Leptopus* Hartig as Konow would have it.

The synonymy of this group is as follows:

Platycampus Schiödte, 1839.
Leptopus Hartig, 1837 (non Latreille, 1809).
Camponiscus E. Newman, 1869.
Leptocercus Konow, 1906 (non Thomson, 1871).

CRŒSUS Leach=NEMATUS Jurine.

Latreille (Considérations Générales, p. 435, 1810) fixed the type of *Nematus* as *Tenthredo septentrionalis* Jurine. *Nematus septentrionalis* Jurine is the same as *Tenthredo septentrionalis* Linnæus. Leach (Zool. Misc., vol. 3, p. 129, no. 1, 1817) based his genus *Crœsus* on *Tenthredo septentrionalis* Linnæus; so *Crœsus* Leach is a synonym of *Nematus*, the genera being isogenotypic.

Nematus Jurine, 1807.
Crœsus Leach, 1817.

NEMATINUS, N. N. FOR NEMATUS Konow.

The fixing the type of *Nematus* as *Tenthredo septentrionalis* Linnæus and making *Crœsus* synonym of it necessitates a new name for *Nematus* of Konow and authors. For *Nematus* Konow and authors the name NEMATINUS may be used.

The type of *Nematinus* is *Tenthredo abdominalis* Panzer.

GYMNONYCHUS Marlatt=DIPHADNUS Hartig.

In 1837 Hartig (Fam. Blatt. Holzwesp., p. 225) formed a new subgenus (*Diphadnus*) of *Nematus* for a species he called *fuscicornis*. Later European writers have proved that *Nematus* (*Diphadnus*) *fuscicornis* Hartig is an aberrant form of his *Nematus appendiculatus*, which for some time was placed in the genus *Pristiphora*.

Mr. C. L. Marlatt,[a] in his Revision of the Nematinæ of North America, described a new genus, *Gymnonychus*, for certain species near *Pristiphora*, which have simple tarsal claws. *Nematus appendiculatus* Hartig belongs to this genus, but in 1837 a generic name was given to an aberrant form of this species, so Mr. Marlatt's name must fall as a synonym of *Diphadnus* Hartig.

Diphadnus Hartig, 1837.
Gymnonychus Marlatt, 1896.

CALIROA O. Costa AND ERIOCAMPOIDES Konow.

In 1859 (Fauna Napoli, Tenthred., p. 59) O. Costa described the genus *Caliroa* and included one species, *C. sebetia* O. Costa, which is therefore the genotype. Later it was proved that *Caliroa sebetia* is the same as *Tenthredo* (*Allantus*) *cinxia* Klug.

Rev. F. W. Konow in 1890 (Deutsch. ent. Zeitschr., 1890, p. 239) described his genus *Eriocampoides* and in his list of species, page 248, considers *sebetia* O. Costa as a synonym of *cinxia* Klug, but makes no mention of the genus *Caliroa*.

Dr. William H. Ashmead in 1898 (Can. Ent., p. 256) divided Konow's genus *Eriocampoides* into two genera, naming *Monostegia rosæ* Harris as the type of his new genus *Endelomyia*.

The group of species placed in the genus *Eriocampoides* by Konow can well be separated into two distinct sections, one of which, Konow to the contrary notwithstanding (for he says *Caliroa* was founded on a male and not sufficiently characterized, Genera Insectorum, Fasc. 29, p. 75, 1906), must be called *Caliroa*. The type of *Eriocampoides* being the common pear slug *limacina*, that subgenus will contain those species which have the clypeus emarginate, the pedicel subequal in length with the scape, and the hind wings with usually two closed discal cells in the female. The type of *Endelomyia* Ashmead is *Monostegia rosæ* Harris, which is the same as the European rose slug *æthiops* Fabricius. The subgenus *Endelomyia* is characterized as having the clypeus truncate, the pedicel shorter than the scape (much wider than long), and the hind wings with usually only one discal cell in the female. *Endelomyia* is, however, a synonym of *Caliroa*, their genotypes being strictly congeneric.

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[a] U. S. Dept. Agr., Div. Ent., Tech. ser. 3, 1896.

The differences between these two groups are hardly of generic importance and could better be treated as subgenera, the arrangement being as follows:

Genus **Caliroa** O. Costa, 1859.
Subgenus **Caliroa** O. Costa, 1859.
Endelomyia Ashmead, 1898.
Subgenus **Eriocampoides** Konow, 1890. (See *Periclistoptera*, p. 86.)

CIMBEX AND ALLIES.

Olivier (Encycl. Méthod., vol. 4, p. 22, 1789) characterized his genus *Clavellarius*, but included no species in it. No species was ever placed in the genus, but in 1791 (Encycl. Méthod., vol. 6, p. 18) Olivier says that he changed the name to *Cimbex* because of the resemblance to the botanical genus *Clavaria*. In the Encyclopédie Méthodique, volume 5, page 764, 1790, the genus *Cimbex* is described and sixteen species are placed in it. Since *Clavellarius* had no standing until 1791 it must rank as a synonym of *Cimbex* as Olivier would have it.

Lamarck (Système des Animaux sans vertébrés, p. 264, 1801) characterized the genus *Clavellaria*, accrediting it to Olivier, but Olivier's genus was *Clavellarius*. The only species placed in *Clavellaria* by Lamarck was *Tenthredo lutea* Linnæus, the genus being monobasic with *Tenthredo lutea* as the type. Latreille (Considérations Générales, 1810), however, gave, as the type of *Cimbex*, *Tenthredo lutea* Linnæus, so *Clavellaria* Lamarck is a synonym of *Cimbex*, the genera being isogenotypic.

W. A. Schultz (Spolia Hymenopterologica, p. 87, 1906) proposed the name *Pseudoclavellaria* for *Clavellaria* Leach and authors.

The synonymy is as follows:

Cimbex Olivier (Encycl. Méthod., vol. 5, p. 764, 1790).
Clavellarius Olivier (Encycl. Méthod., vol. 4, p. 22, 1789; Encycl. Méthod., vol. 6, p. 18, 1791).
Clavellaria Lamarck (Syst. Anim. sans. Vert., p. 264, 1801).
Pseudoclavellaria Schultz (Spolia Hym., p. 87, 1906).
Clavellaria Leach (Zool. Misc., vol. 3, p. 111, 1817; and authors).

The above conclusions differ somewhat from those reached by Schultz (Spolia Hym., 1906), but it is believed that they are correct.

SYZYGONIA AND ALLIES.

Klug (Ent. Mon., p. 175, 1824) described his genus *Syzygonia* and included two species, *cyanoptera* Klug and *cyanocephala* Klug. Dr. William H. Ashmead (Can. Ent., p. 230, September, 1898) fixed the type of Klug's genus as *cyanocephala* and described a genus which he called *Syzygonidea* for *Syzygonia cyanea* Brullé. Brullé (Hist. Nat. Ins. Hym., vol. 4, p. 671, 1846), in his remarks on *Syzygonia*, mentions no species, but refers to plate 48 (fig. 2), where he figures *Syzygonia*

cyanea and accredits it to Klug, but Klug described no such species and the figure must stand as a description of *cyanea* Brullé, as it does not agree with any described species.

Rev. F. W. Konow (Anal. Mus. Buenos Aires, vol. 6, pp. 397, 398, 1899) argues that *Syzygonia cyanoptera* Klug should be taken as the type of *Syzygonia*, as this species came first in the list and forms the first group. On these grounds he makes a new genus, *Bergiana*, for *Syzygonia cyanocephala* Klug. *Bergiana* and *Syzygonia* are isogenotypic, so *Bergiana* falls as a synonym of *Syzygonia*.

PARASYZYGONIA, N. N. FOR SYZYGONIA Konow.

Since *Bergiana* Konow is a synonym of *Syzygonia*, *Syzygonia* Konow must have a new name, as it is different from *Syzygonidea* Ashmead. For *Syzygonia* Konow PARASYZYGONIA may be used.

The above-mentioned genera may be separated in the following manner:

Radial cell of the fore wings not appendiculate (four cubital cells, the second and third each receiving a recurrent nervure; antennæ 6-jointed, the third joint longer than the fourth, and the club gradually formed) *Syzygonidea* Ashmead.

Radial cell of the fore wings distinctly appendiculate.

Antennæ 5-jointed; third cubital cell receiving the second recurrent nervure.....*Syzygonia* Klug.

Antennæ 6-jointed; the second recurrent nervure interstitial with the second transverse cubitus.....*Parasyzygonia* Rohwer.

Syzygonidea Ashmead.
Syzygonia cyanea Brullé.

Syzygonia Klug (Syn., *Bergiana* Konow).
Syzygonia cyanocephala Klug.

Parasyzygonia n.
Syzygonia cyanoptera Klug (type).
Syzygonia ænea Perty.

THE WORK OF WILLIAM H. ASHMEAD ON THE TENTHREDINOIDEA.

The late Dr. William H. Ashmead's work on Tenthredinoidea was confined almost entirely to the genera, very little being done on the species. It was Doctor Ashmead's desire to give generic tables to all the genera of Hymenoptera. Such an enormous task would never have been undertaken by one less enthusiastic or energetic than Doctor Ashmead. With all the routine duties connected with the position held by this untiring worker there was but a limited time for his researches, so of necessity a great deal of the work was done in a hurry. This hurry caused mistakes, and the founding of genera on what would seem to be trivial characters; but the greater number of the genera founded by Ashmead are at least of subgeneric importance. In unpublished manuscript many of the mistakes and omis-

sions were corrected by Doctor Ashmead, and it is most unfortunate that these were not left in condition in which they could be published.

In the tables of the genera of Tenthredinoidea many genera were described as new, and some of these were based on species hitherto undescribed. The characters given in the tables are sufficient to satisfy the technical requirements, so the generic and specific names should date from their publication in the tables. Various writers have considered the characters given in the tables to be of no value, and in some cases this is correct. On this basis they have sunk into the synonymy genera which have as good standing as many which they recognize.

In the present paper the new genera founded on new species in the tables in the Canadian Entomologist for 1898 are characterized more completely, and a list of all the genera described, with the synonymy, as far as it has been determined, is given. Unless otherwise stated the types have been studied, and the conclusions based on these studies.

AN ALPHABETICAL LIST OF THE GENERA OF TENTHREDINOIDEA DESCRIBED BY WILLIAM H. ASHMEAD, WITH THE DETERMINED SYNONYMY.

1. **Acanthoptenos** Ashmead. (=**Arge** Schrank.)
2. **Aomodyctium** Ashmead. (A genus without a species.)
3. **Aphilodyctium** Ashmead. (Syn.: **Parataxonus** MacGillivray.)
4. **Caloptilia** Ashmead. (Syn.: **Labidarge** Konow.)
5. **Calozarca** Ashmead. (=**Parazarca** Ashmead.)
6. **Dimorphopteryx** Ashmead.
7. **Endelomyia** Ashmead. (=**Caliroa** O. Costa.)
8. **Eriocampidea** Ashmead. (Syn.: **Cockerellonis** MacGillivray.)
9. **Erythraspides** Ashmead.
10. **Gymniopterus** Ashmead. (Type species lost.)
11. **Hemitaxonus** Ashmead.
12. **Homœoneura** Ashmead. (=**Bivena** MacGillivray.)
13. **Hypotaxonus** Ashmead.
14. **Liolyda** Ashmead. (=**Cephaleia** Panzer.)
15. **Lophyridea** Ashmead. (=**Lophyroides** Cameron.)
16. **Lophyrotoma** Ashmead. (=**Pterygophorus** Klug.)
17. **Macgillivraya** Ashmead. (=**Macgillivrayella** Ashmead.)
18. **Macgillivrayella** Ashmead.
19. **Manoxyela** Ashmead. (=**Pleroneura** Konow.)
20. **Marlattia** Ashmead.
21. **Megaxyela** Ashmead.
22. **Melanoselandria** Ashmead. (=**Hypargyricus** MacGillivray.)

    Listed in Catalogue of Insects from New Jersey and without standing until 1909, when Doctor MacGillivray stated that it was a synonym of *Hypargyricus* MacGillivray. The synonymy is:

    Melanoselandria (Ashmead) MacGillivray, 1909, =**Hypargyricus** MacGillivray, 1908.
23. **Micrarge** Ashmead. (Syn.: **Braunsiola** Konow.)
24. **Monophadnoides** Ashmead.

25. **Neoperga** Ashmead.
26. **Neoptilia** Ashmead.
27. **Opisthoneura** Ashmead. (=**Zaschizonyx** Ashmead.)
28. **Paraperga** Ashmead.
29. **Paraselandria** Ashmead. (=**Selandria** Leach.)
30. **Parasiobla** Ashmead.
31. **Parazarca** Ashmead. (Syn.: **Calozarca** Ashmead.)
32. **Periclistoptera** Ashmead. (=**Eriocampoides** Konow.)
33. **Pœcilostomidea** Ashmead. (=**Empria** Lepeletier.)
34. **Polystichophagus** Ashmead. (=**Pseudotaxonus** A. Costa.)
35. **Pseudoperga** Ashmead (non Guérin).
36. **Pseudosiobla** Ashmead.
37. **Pterygophorinus** Ashmead. (=**Pterygophorus** Klug.)
38. **Strongylogasteroidea** Ashmead.
39. **Syzygonidea** Ashmead.
40. **Tetratneura** Ashmead. (=**Empria** Lepeletier.)
41. **Zaschizonyx** Ashmead.

In all, Ashmead described 41 genera of Tenthredinoidea. Of these 41 genera, 17 have been determined to be synonyms of older genera and 5 have later genera for synonyms. Some of the segregates of *Perga* defined by Ashmead will be classed as synonyms of the segregates formed by Shipp. These will be discussed in a later paper.

BIBLIOGRAPHY OF THE MORE IMPORTANT WRITINGS OF WILLIAM H. ASHMEAD ON TENTHREDINOIDEA.

Table of genera of Xyelidæ. < In Dyar: Psyche, vol. 8, p. 214, 1898.

A generic table of the Blennocampinæ. < In Dyar: Journ. N. Y. Ent. Soc., vol. 6, pp. 127–129, 1898.

Classification of the horntails and sawflies, or the suborder Phytophaga. In 7 parts. < Can. Ent., vol. 30, 1898 (1), pp. 141–145; (2) pp. 177–188; (3) pp. 205–213; (4) pp. 225–232; (5) pp. 249–257; (6) pp. 280–287; (7) pp. 305–316.

Order Hymenoptera. < In Smith: Insects of New Jersey, pp. 501–613, 1900.

A new oryssid from Chatham Islands, Bismarck Archipelago. < Psyche, vol. 10, p. 73, 1903.

Two new phytophagous Hymenoptera. < Can. Ent., vol. 35, p. 233, 1903.

Descriptions of four new horn-tails. < Can. Ent., vol. 36, pp. 63–64, 1904.

DESCRIPTION OF THE GENERA AND SPECIES.

MANOXYELA Ashmead=PLERONEURA Konow.

The type of *Manoxyela californica* Ashmead belongs to the genus *Pleroneura* Konow, so *Manoxyela* is a synonym of *Pleroneura*.

Pleroneura Konow, Ent. Nachr., vol. 23, p. 56, 1897.
Manoxyela Ashmead, Can. Ent., vol. 30, p. 206, 1898.

PLERONEURA CALIFORNICA (Ashmead).

Manoxyela californica Ashmead, Can. Ent., vol. 30, p. 206, 1898.

Length to the end of the second abdominal segment, 2.5 mm.; length of fore wing, 4 mm. Lateral angles and middle production of the clypeus rounded; antennal furrows wanting above the anterior ocellus; middle foveæ elongate; anterior ocellus in a slightly depressed basin, which is sharply angled above; postocellar line slightly

shorter than the ocellocular line, but longer than the ocelloccipital line; right mandible with 2 inner teeth; head and parts of the thorax irregularly granular; tarsal claws with a long bristle near the middle; stigma more than twice as long as wide, angled below; venation very like *Xyela julii;* four posterior legs and abdomen beyond the third segment wanting. Black; antennæ, palpi, and legs reddish-yellow; wings hyaline, venation pallid.

Type locality.—Alameda County, California. One specimen collected in June.

Type.—Cat. No. 8887, U. S. National Museum.

Related to *Pleroneura fulvicornis* Rohwer.

ACANTHOPTENOS Ashmead=ARGE Schrank.

Ashmead (Can. Ent., p. 212, 1898) described his genus *Acanthoptenos* for *Acanthoptenos weithii* Ashmead. The genus is founded upon an abberant specimen of *Arge macleayi* authors, the intercostal vein being absent in the only perfect fore wing. *Acanthoptenos* is therefore a synonym of *Arge.*

Arge Schrank, 1802.
Acanthoptenos Ashmead, 1898.

CALOPTILIA Ashmead.

Caloptilia Ashmead, Can. Ent., vol. 30, p. 212, 1898.

Type.—Caloptilia townsendi Ashmead.

Ashmead placed his genus *Caloptilia* in his subfamily Schizocerinæ, but in this he is wrong. The type of *Caloptilia townsendi* Ashmead has the cross-vein in the intercostal cell present and belongs to his Hylotominæ. It is the same as *Labidarge* Konow.

LABIDARGE Konow=CALOPTILIA Ashmead.

The error of Doctor Ashmead in placing *Caloptilia* in the Schizocerinæ caused Rev. F. W. Konow to form a new genus *Labidarge* for the same group of species. As Konow's genus was described a year later than Ashmead's, it must rank as a synonym of *Caloptilia.*

Caloptilia Ashmead, Can. Ent., vol. 30, p. 212, 1898.
Labidarge Konow, Ent. Nachr., vol. 25, p. 309, 1899.

CALOPTILIA TOWNSENDI Ashmead.

Caloptilia townsendi, Can. Ent., vol. 30, p. 212, 1898.

Reddish-yellow; head, spot on lateral lobe, four posterior tibiæ and tarsi, and apex of abdomen black; wings dusky hyaline with a broad yellow band behind the stigma.

Female.—Length, 8 mm. Labrum arcuately emarginate anteriorly; clypeus with a V-shaped notch in the middle; supraclypeal area in cross section triangular; the usual frontal basin sharply defined, the middle foveal area separated from the upper area by a low, complete, transverse carina; the middle fovea with a spherical tubercle; postocellar furrow angled; the postocellar area with longitudinal impressed line; flagellum hairy, very slightly thickening apically; transverse median vein received beyond the middle of the first discoidal cell; stigma elongate, rounded on the lower

margin; saw with regular triangularly-shaped teeth; sheath at the apex obliquely truncate. Reddish-yellow; flagellum, head (labrum and palpi excepted), a spot on the lateral lobe of the mesonotum, four posterior tibiæ and tarsi, and apical four abdominal segments black; anterior tarsi dusky. Wings dusky hyaline, with a broad yellow band behind the stigma; venation in the dusky part brown, in the yellow part yellowish, basal part of the stigma yellowish.

Male.—Length, 8 mm. The male agrees with the characters given for the female except that the supraclypeal area and clypeus are pale. Hypopygidium rounded apically.

Type locality.—San Rafael, Jicoltepec, Mexico. Five females and one male collected by C. H. T. Townsend (from the Ashmead collection). Also two females from Cordoba, Mexico, collected by Mr. Frederick Knab.

Type.—Cat. No. 13134, U. S. National Museum.

PSEUDOCYPHONA Ashmead.

Pseudocyphona Ashmead, Can. Ent., vol. 30, p. 211, 1898.

Type.—Pseudocyphona mexicana Ashmead.

This genus belongs to the Schizocerinæ and is related to *Schizocera*, but is readily separated from *Schizocera* and allies by the toothed tarsal claws. Habitus similar to *Schizocera*. Clypeus and labrum emarginate; antennal carina present; eyes elongate oval, slightly converging to the clypeus; malar space almost wanting; ocelli in a low triangle, the lateral ones very little before the supraorbital line; antennæ inserted near the middle of the face, the third joint simple in the female and somewhat flattened; thorax and abdomen normal for the group; tibiæ without lateral spurs; postbasitarsis shorter than the following joints; claws with an erect inner tooth near the middle; radial cell not appendiculate; four cubital cells, the second receiving both recurrent veins; basal vein joining the subcosta at the origin of the cubitus; transverse median received near the middle of the first discoidal cell; anal cell broadly contracted; radial cell of the hind wings open at the apex; two closed discal cells in the hind wing; the anal cell longly petiolate, the petiole longer than the cell.

PSEUDOCYPHONA MEXICANA Ashmead.

Pseudocyphona mexicana Ashmead, Can. Ent., vol. 30, p. 211, 1898.

Black; mesonotum, scutellum, and upper part of the pleuræ reddish; legs black; wings dark.

Female.—Length, 7 mm. Labrum and clypeus very slightly arcuately emarginate; supraclypeal area convex, triangular in outline, meeting the prominent middle carina between the antennæ; antennal foveæ large and joining the supraclypeal fovea; antennal furrows not well defined; ocellar basin represented by a gently depressed area; postocellar furrow almost wanting; postocellar line shorter than the ocellocular line; antennæ short, the third joint broad, flattened; thorax normal; transverse median slightly beyond the middle of the first discoidal cell; third cubital cell about one-third longer on the radius than on the cubitus; stigma robust, broadest at the base; sheath with the lower margin marginate; saw with very small, close teeth. Black; pronotum, mesonotum, scutellum, tegulæ, and upper part of the mesopleuræ reddish; wings and venation blackish-brown.

Type locality.—San Rafael, Jicoltepec, Mexico. One female from the Ashmead collection, collected by Mr. C. H. T. Townsend.

Type.—Cat. No. 13135, U. S. National Museum.

NEOPTILIA Ashmead.

Neoptilia Ashmead, Can. Ent., vol. 30, p. 213, 1898.

Type.—*Neoptilia mexicana* Ashmead.

Belongs to the Schizocerides of Konow, and runs, in Konow's tables (Genera Insectorum, Fasc. 29, p. 13, 1906), in with *Hemidianeura* W. F. Kirby and *Ptilia* Lepeletier, or to *Rhagonyx* Konow. Elongate, robust species; head not especially small or transverse, not as wide as the thorax, much broader than high; clypeus and labrum emarginate anteriorly; ocelli in a curved line, the lateral ones in front of the supraorbital line; eyes slightly converging to the clypeus; malar space very narrow, antennal furrows present; ocellocular line subequal with the postocellar line; antennæ inserted in the middle of the face, ciliate, furcate in the male, simple in the female and scarcely thickening apically; tibiæ without lateral spurs; post-basitarsis not as long as the following joints; tarsal claws cleft, the inner tooth larger and shorter in the female; thorax normal for the group. Venation of females as follows: Intercostal cell without a cross-vein; radial cell with a strong appendiculation; four cubital cells, the second receiving both recurrent veins, the second near the middle, the first near the base; basal vein slightly basad of the origin of the cubitus, bent basally and not exactly parallel with the first recurrent; transverse median slightly basad of the middle of the first discoidal; anal cell very broadly contracted; in the hind wings the radial cell is long and not closed at the apex; two closed discal cells, the upper one much longer; transverse median at right angles with the anal vein; anal cell shorter than the rest of the anal vein. The venation of the male differs from that of the female in the absence of the second transverse cubitus. Basal plate with a narrow longitudinal suture.

Rhagonyx Konow (Zeitschr. syst. Hym. Dipt., vol. 3, p. 108, 1903) has the claws cleft, and is perhaps related to *Neoptilia* Ashmead.

NEOPTILIA MEXICANA Ashmead.

Neoptilia mexicana Ashmead, Can. Ent., vol. 30, p. 213, 1898.

Colored simliarly to *Hylotoma biramosa* Klug, which has been placed in different genera by different authors. There are some minor differences, however, and the standing of *biramosa* is so uncertain that *mexicana* should be held distinct until Klug's type can be studied.

Female.—Length, 11 mm. Labrum deeply arcuately emarginate; clypeus with a deep V-shaped notch; labrum, clypeus, and supraclypeal area with rather large punctures; front with small well-separated punctures; vertex impunctate; supraclypeal area broadly convex, triangular; carina between the antennæ high but not sharp; postocellar area parted, with a median furrow, wider than the cephalocaudad length; postocellar furrow not sharply defined; postocellar line subequal with the ocellocular line; thorax shining; third cubital cell more than twice as long on the radius as on cubitus. Black; angles of the pronotum broadly pallid; abdomen, except the black second and third dorsal segments, pallid at the base and reddish yellow at the apex; legs, except the anterior tibiæ at base beneath, black; wings beyond the basal nervure distinctly brown, basad hyaline; venation black; head with pale hair.

Male.—Length, 9.5 mm. The male differs from the female in the usual sexual characters and the arcuately emarginate clypeus. Hypopygidium very large, apex truncate.

Type locality.—San Rafael, Jicoltepec, Mexico. Three females and one male in the collection of Dr. William H. Ashmead.

Type.—Cat. No. 13133, U. S. National Museum.

MARLATTIA Ashmead.

Marlattia Ashmead, Can. Ent., vol. 30, p. 287, 1898.

Type.—Hemichroa laricis Marlatt.

Clypeus shallowly emarginate; malar space present; pentagonal area present; antennæ slender, filiform, fourth joint longer than the third; thorax normal for the group; legs normal except for the simple tarsal claws; venation normal except the intercostal vein, which is interstitial with the basal, and the third cubital cell, which is short as in *Pteronus*.

Easily known from *Hemichroa* by the simple tarsal claws.

OPISTHONEURA Ashmead=ZASCHIZONYX Ashmead.

The type of *Opisthoneura crevecoeuri* Ashmead is the same as *Hoplocampa montana* Cresson, which is the type of *Zaschizonyx* Ashmead.

Zaschizonyx Ashmead, Can. Ent., vol. 30, p. 257, 1898.
Opisthoneura Ashmead, Can. Ent., vol. 30, p. 287, 1898.

PARAZARCA Ashmead.

Parazarca Ashmead, in Dyar, Journ. N. Y. Ent. Soc., p. 128, 1898; Can. Ent., p. 252, October, 1898. (Type, *Parazarca fumipennis* Ashmead.)
Calozarca Ashmead, in Dyar, Journ. N. Y. Ent. Soc., p. 129, 1898; Can. Ent., p. 252, October, 1898. (Type, *Selandria fascipennis* Norton.)

Eyes large, subparallel or slightly converging to clypeus; malar space very narrow so as to be nearly wanting; clypeus truncate, rather large as is the labrum; lateral ocelli below the supraorbital line, the posterior orbits therefore rather narrow; antennæ hairy, pedicellum much longer than wide, third joint the longest, apical joints short and narrowing apically; mesosternum with a distinct, triangular-shaped præsternum; mesopleuræ without a suture separating off a prepectus, metanotum with a distinct "scutellum;" tarsal claws with a large inner tooth appearing cleft, also a small post-basal tooth, basitarsis subequal with the following joints; wings of the normal blennocampid type; transverse median in the middle of first discoidal cell; third cubital cell longer on the radius than the first and third combined; radial cell of the hind wings appendiculate; no closed discal cell in the hind wings and the anal cell distinctly petiolate.

PARAZARCA FUMIPENNIS Ashmead.

Parazarca fumipennis Ashmead, through Dyar, Journ. N. Y. Ent. Soc., p. 128, 1898.

Female.—Length, 7 mm. Lateral angles of the clypeus rounded; frontal foveæ broad, shallow, the lateral ones somewhat circular in outline; the middle fovea joining with the ocellar basin and forming a broad, shallow, depressed area; antennal furrows obsolete; postocellar furrow faintly indicated; lateral boundaries of the postocellar area sharply defined; postocellar line a very little shorter than the ocelloccipital line; stigma broadest at base, tapering gradually to the apex; second recurrent vein quite free from the second transverse cubitus; sheath very robust, straight above, the apex truncate, the oblique lower part emarginate; saw obliquely ribbed, the teeth small; sharp, and regular. Shining reddish yellow; flagellum, spot inclosing ocelli, apex of saw, and four posterior legs below middle of tibiæ black; anterior tarsi brownish, wings brown, venation brownish black.

Male.—Length, 6 mm. Almost exactly as in female. Hypopygidium one and one-fourth times as long as wide, the apex gently rounded.

Type locality.—Frontero, Tabasco, Mexico. A male and female from the Ashmead collection.

Type.—Cat. No. 13136, U. S. National Museum.

COCKERELLONIS MacGillivray=ERIOCAMPIDEA Ashmead.

Comparison of a specimen, from the original lot collected by Prof. T. D. A. Cockerell and sent to the U. S. National Museum, of *Cockerellonis occidentalis* MacGillivray proves that this species is the same as *Eriocampidea arizonensis* Ashmead. *Cockerellonis* MacGillivray is therefore a synonym of *Eriocampidea* Ashmead.

Eriocampidea Ashmead, Can. Ent., vol. 30, p. 256, 1898.
Cockerellonis MacGillivray, Can. Ent., vol. 30, p. 365, 1908.

Inasmuch as MacGillivray has described *Cockerellonis occidentalis* (Can. Ent., p. 365, 1908) completely, a description of *Eriocampidea arizonensis* is not given here.

HYPOTAXONUS Ashmead.

Rohwer[a] gave this genus as a synonym of *Ermilia* O. Costa. As his remarks on the type of *Taxonus* Hartig[b] are incorrect, this is wrong, and for the present *Hypotaxonus* should be treated as a good subgenus.

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[a] Proc. U. S. Nat. Mus., vol. 38, no. 1739, p. 203, 1910.
[b] Proc. U. S. Nat. Mus., vol. 39, no. 1777, p. 111, 1910.

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