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DEPARTMENT OF REGISTRATION AND EDUCATION
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STEPHEN A. FORBES, *Chief*

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Article IV.

A List of the Insect Types in the Collections
of the Illinois State Natural History
Survey and the University of Illinois

BY

THEODORE H. FRISON



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ERRATA

Page 138, line 10 and line 14 from bottom, for *Dane* read *Dann*.

Page 139, line 5, for *Dane* read *Dann*.

Page 180, line 5 from bottom, delete *D*.

Page 198, line 19 from bottom, for *March* read *March 16, 1918*.

Page 221, line 22, for *data* read *date*.

Page 278, lines 17 and 18 from bottom in right-hand column, for *150* read *158*.

Page 285, line 24 in left-hand column, for *Franch* read *French*.

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ARTICLE IV.—*A List of the Insect Types in the Collections of the Illinois State Natural History Survey and the University of Illinois.* By THEODORE H. FRISON, Illinois State Natural History Survey.

INTRODUCTION

The ever-increasing requests by technical workers in the field of entomology for information concerning the insect types in the collections of the Illinois State Natural History Survey and the University of Illinois have led to the preparation of this paper. The reasons for such requests are readily apparent to any one acquainted with the problems and difficulties today confronting the scientific investigator in the fields of taxonomy and nomenclature. The enormous number of insects already described, comprising a total far in excess of the number of all other known kinds of animals, is augmented each year by the recognition and description of hundreds of species new to science. This multiplicity of kinds of insects has greatly increased the difficulty of their classification and brought to light many problems whose best solution rests upon a restudy of the actual type specimens—the specimens used by the author of a species in formulating the original description.

Thus it happens that at the present time the types of insects have come to possess a great practical value as well as a historical significance. A complete realization of the value of exacting type-designations and the proper labeling and preservation of the types did not come to most of the earlier entomologists. In fact, it is only within comparatively recent years that much emphasis has been placed upon exacting type-designations, disposition of types, full data concerning locality, date of capture of specimens and the many other facts now commonly added to the original description of a new species.

It was but natural, then, that when the task was undertaken of listing, locating, labeling and isolating the types in the collections here to insure their safety, no uniformity of type designations was found in the material. Various workers can be accredited for the numerous types, some described at an early date and others comparatively recently. To meet this situation the writer undertook the selection of lectotypes wherever this was deemed necessary or advisable. This procedure is in line, although not specifically covered, by that recommendation of the International Rules of Zoological Nomenclature suggesting that "only one specimen be designated and labeled as *type*". Furthermore, it makes paratypic material available for exchange and for loan to specialists, as well as eliminating certain undesirable situations that may arise from the exchanging of cotypes.

The insect collection of the Illinois State Natural History Survey contains the most complete collection of Illinois insects in existence and ranks high among the best general collections in this country. Its possession is a valuable asset to the state and an aid to all lines of research conducted by the Survey. The collection is the result of a wise policy of many years' accumulation and direct collection of insect material. For the benefit of those interested in the historical phase of the insect collection of the Illinois State Natural History Survey a short sketch of its origin and development is given. The State Entomologist's Office of Illinois was established in 1867 with Benjamin Dane Walsh as Acting State Entomologist. William LeBaron, soon after the accidental death of Walsh, was appointed to the position of State Entomologist in 1870 and held this office until 1875. Then Cyrus Thomas succeeded William LeBaron as State Entomologist and continued in office until the appointment of Stephen Alfred Forbes in 1882. The appointment of Stephen Alfred Forbes brought about, in a sense, the merger of the Office of the State Entomologist and the State Laboratory of Natural History, since he was Director of the latter institution. In 1917, the State Entomologist's Office was definitely merged by law with the State Laboratory of Natural History to form the Illinois State Natural History Survey Division of the State Department of Registration and Education, and Stephen Alfred Forbes was appointed as its Chief.

During the period of 1867 to the present time many descriptions of new species have been published in the twenty-nine reports of the State Entomologist's Office, the Bulletin of the State Laboratory of Natural History, and its successor, the Bulletin of the Illinois State Natural History Survey. Concerning these publications I quote from an introduction written for a list of exchange and available publications and published in 1924 by Stephen Alfred Forbes.

"Twenty-nine reports of the State Entomologist were published between 1868 and 1916, the first by Benjamin Dane Walsh, the second to the fifth by William LeBaron, the sixth to the eleventh by Cyrus Thomas, and the twelfth to the twenty-ninth by Stephen Alfred Forbes. Later articles of like object and character to those in these reports are published as bulletins and circulars of the State Natural History Survey.

"The State Laboratory of Natural History began publication of its Bulletin in 1876, the first number of what became Volume 1 of this series being issued as a bulletin of the Illinois Museum of Natural History. All subsequent numbers were issued as bulletins of the above Laboratory until 1917, after which the series was continued as the Bulletin of the Illinois State Natural History Survey. Volumes 1 to 12 have been published under the first of these titles, and 13 and 14, together with Articles 1-3 of Volume 15, under the second.* The State Laboratory of Natural History has also published three volumes and an atlas of final reports on

* Now Volume 16, Article 3.

the ornithology and ichthyology of the state, all reprinted in a second edition, as were also the First, Eighteenth, and Twenty-third reports of the State Entomologist's Office."

The insect collection of the Natural History Survey now contains no material definitely known to have been collected by Benjamin Dane Walsh and only a few specimens from the LeBaron collection. Of the Thomas material, almost nothing now remains except his collection of Aphidiidae which was acquired in very poor condition as reported by J. J. Davis in *Bull. Ill. State Lab. Nat. Hist.*, Vol. X, Art. II, 1913, pp. 97-121. The present collection, then, consists almost entirely of specimens collected since 1883 and to Stephen Alfred Forbes and Charles H. Hart belong the main credit for its development and present importance. In addition to the material acquired by the direct collecting of members of the staff of the Survey and its forerunners, considerable material has been added by the acquisition of several private collections. The most notable of these is the first W. A. Nason collection acquired in 1908. The Survey is also the recipient of much material generously donated by specialists and amateurs and has profited through the medium of exchange.

At the conclusion of the list of types in the insect collection of the Illinois State Natural History Survey, there is added a list of the types in the insect collections belonging to the University of Illinois. These collections are available for study by members of the Survey Staff in keeping with the cooperative policy which also places the facilities and insect collection of the Survey at the service of the University. The Natural History Museum of the University of Illinois possesses the Andreas Bolter and second W. A. Nason collections of insects. Both of these collections were gifts to the University, the former in 1900 and the latter in 1920. The Bolter collection is the only one of the two which contains any types. The Department of Entomology of the University acquired the A. D. MacGillivray collection of Tenthredinoidea in 1924. This is one of the most important collections of sawflies in North America and is exceedingly rich in types. The Bolter and second Nason collections are now housed in the Natural History Museum of the University, and the A. D. MacGillivray collection is with the types of the Natural History Survey.

Some special comments are necessary concerning the contents and preparation of this article. Attention has already been directed to the selection of lectotypes to stand for single types in the case of cotypic series. The designation of lectoallotype has been given to a single specimen of the opposite sex from the lectotype of a cotypic series. The remainder of the cotypic series, after the selection of single types, have been regarded as paratypes. Where the describer of a new species has clearly indicated the selection of a type and an allotype no selections have been necessary. In cases where the describer of a new species based his description upon a unique, that specimen is considered as the type without the presence of such a statement in the literature. Where both sexes

are specifically described in the original description, based in each case upon single specimens, those specimens have been considered as the type and the allotype. No transposition of original designations of type to holotype, or *vice versa*, have been made. They are listed here as given in the original description, since from the standpoint of taxonomy they are the same.

In some instances no single types have been selected from cotype material. This is because of either the extremely poor condition of the cotypes or because the selection of the lectotype rightfully belongs to some other institution. Where it has been deemed advisable to select a lectotype of a species mounted in balsam on a slide with other specimens of the same or different species, the specimen so selected has been surrounded by a circular cut on the cover glass. A few specimens have been considered as allotypes that furnished the basis for the description of a previously undescribed or unknown sex of a species already known. This is not in conformity with the use of this term as employed by some (where the allotype must be one of the paratypes), but has the sanction of others. The International Rules of Zoological Nomenclature do not specifically cover this point.

The type series of A. A. Girault in the Survey collection require still further comment. Girault, *in litt.*, has occasionally used terms in an entirely different sense from their accepted use at the present time. In this paper his use of cotype is construed to be equivalent to paratype. Specimens listed by him in his original description, but not specifically listed by him as "type" or "cotypes", are considered as paratypes. When more than one specimen in a type series was designated as "type" by Girault, a single specimen has been selected as the lectotype and the remaining specimens as paratypes, depending as in all other cases upon the priority rights of this institution to the single type.

All type specimens listed in this paper have been labeled and isolated from the general reference collection to insure their continued preservation. It is oftentimes the case that some structural part of an insect is mounted in balsam on a slide and the remaining portion on an insect pin or a card-point mount. Note is made of this fact in the labeling of all specimens so mounted so that they are securely linked together.

The abbreviations used for citations to places of original descriptions are those commonly used in entomological publications. The references have been given in full because of the character of this article. The letter-files of the Survey have been critically searched for information regarding the precise dates of publication of the Reports of the State Entomologists. These dates, with one exception, have never been determined previously. Their significance lies in their bearing upon questions of priority as evidenced by a recent paper of P. R. Myers published in the *Proc. Ent. Soc. Wash.*, Vol. 26, No. 9, December, 1924, pp. 222-224. The dates assigned to them are based upon the first definite acknowledgments of these Reports contained in our letter-files or other letters bearing upon their publication or distribution.

The abbreviation "Acc. No." refers to the Accession Catalogue of the Survey and "Hart Acc. No." to a small Accession Catalogue of the late Mr. C. A. Hart. The "Slide No." refers to the Survey collection of slides. The data pertaining to the places and dates of types, as well as full information regarding other matters of importance or interest, are given with each type, allotype, and paratype. Much of this information has never been published and in some cases even the locality of a type has not been heretofore recorded. A few errors in the literature regarding the localities of types, etc., have been corrected. Collectors' names, where known, are given in parentheses following each record. For the sake of completeness and usefulness, notes on synonymy have been added and genotype designations indicated. No new synonymy, however, is herein published. The sequence of orders and families of the Natural History Survey and the Bolter collections is arranged in a purely arbitrary manner. The family arrangement of the A. D. MacGillivray collection of Tenthredinoidea is in accord with his published classifications of 1906 and 1916. Generic and specific names in all cases are arranged alphabetically under family and order groupings.

Since most of the species of sawflies described by MacGillivray are represented by types in his collection, Mr. S. A. Rohwer has suggested the desirability of publishing a list of the species the types of which are not in the collection here, place of their description, and their present location if known. This list is published as an appendix to this article. It is probable that several species, the types of which have not been located, are in the MacGillivray collection without identifying labels or a present clue as to their identity.

The following persons have greatly aided in the preparation of this list by furnishing me with references, notes on synonymy, and other information and favors of a varied character: E. T. Cresson, Jr., L. H. Weld, F. C. Baker, C. L. Metcalf, F. H. Benjamin, H. Morrison, C. W. Johnson, J. J. Davis, R. A. Cushman, J. R. Malloch, J. M. Aldrich, A. B. Gahan, and particularly S. A. Rohwer.

**TYPES IN THE COLLECTION OF THE ILLINOIS STATE
NATURAL HISTORY SURVEY**

ORDER ORTHOPTERA

Family TETTIGONIIDAE

***Insara sinaloae* Hebard**

Trans. Amer. Ent. Soc., Vol. LI, December 18, 1925, p. 293.

Paratype.—♂: Venvidio, Sinaloa, Mexico, August 18, 1918 (J. A. Kusche). Right hind leg is missing.

***Montezumina sinaloae* Hebard**

Trans. Amer. Ent. Soc., Vol. LI, December 18, 1925, p. 297.

Paratypes.—♂: Venvidio, Sinaloa, Mexico, August 11-12 and 21, 1918 (J. A. Kusche).

Right hind leg of one male is missing.

Family GRYLLIDAE

***Nemobius funeralis* Hart**

Ent. News, Vol. XVII, No. 5, May, 1906, p. 159.

Type.—♀: College Station, Texas, December 26, 1905 (C. A. Hart).

Now considered as a southern race of *Nemobius griseus* Walker.

***Oecanthus forbesi* Titus**

Can. Ent., Vol. XXXV, No. 9, September, 1903, p. 260.

Type.—♂: Urbana, Illinois, September 6, 1891 (C. A. Hart). Acc. No. 17424.

According to Blatchley this is synonymous with *Oecanthus nigricornis quadripunctatus* (Beutenmüller), the latter having priority.

Family LOCUSTIDAE

***Amblytropidia insignis* Hebard**

Trans. Amer. Ent. Soc., Vol. XLIX, November 21, 1923, p. 198.

Paratypes.—♂: Gatun, Canal Zone, Panama, July 12-15, 1916 (D. E. Harrower).

***Conalcea coyoterae* Hebard**

Trans. Amer. Ent. Soc., Vol. XLVIII, July 25, 1922, p. 55.

Paratypes.—♀: Prescott, Arizona, August 5 and 14, 1917 (O. C. Poling).

***Cyclocercus gracilis* Bruner**

Biol. Centrali-Americanica, Insecta-Orthoptera, Vol. II, February, 1909, p. 307.

Paratype.—♂: Tampico, Mexico, December, 1906.

***Melanoplus calapooyae* Hebard**

Trans. Amer. Ent. Soc., Vol. XLVI, December 14, 1920, p. 285.

Paratypes.—♂ and ♀: Calapooia Mountains, Lake County, Oregon, August 11, 1909 (M. Hebard).

Melanoplus macneilli Hart

Bull. Ill. State Lab. Nat. Hist., Vol. VII, Art. VII, January, 1907, p. 261.
 Lectotype.—♂: Moline, Illinois, on sand hill, September 9, 1905 (C. A. Hart and F. Shobe).
 Lectoallotype.—♀: Moline, Illinois, on sand hill, September 9, 1905 (C. A. Hart and F. Shobe).
 Paratypes.—♂ and ♀: Moline, Illinois, on sand hill, September 9, 1905 (C. A. Hart and F. Shobe).
 According to Blatchley this species is synonymous with *Melanoplus flavatilis* Bruner, the latter having priority.

Melanoplus microtatus Hebard

Trans. Amer. Ent. Soc., Vol. XLV, September 25, 1919, p. 285.
 Paratypes.—♂ and ♀: Del Monte, Monterey County, California, September 9-10, 1910 (M. Hebard).

Melanoplus oreophilus Hebard

Trans. Amer. Ent. Soc., Vol. XLVI, December 14, 1920, p. 382.
 Paratypes.—♂ and ♀: Cloud Cap Trail, Mt. Hood, Oregon, August 13-14, 1910 (M. Hebard).

Melanoplus scudderii var. *texensis* Hart

Ent. News, Vol. XVII, No. 5, May, 1906, p. 158.
 Lectotype.—♂: College Station, Texas, December 26, 1905 (C. A. Hart).
 Lectoallotype.—♀: College Station, Texas, December 26, 1905 (C. A. Hart).
 Paratypes.—♂ and ♀: College Station, Texas, December 24-27, 1905 (C. A. Hart); Houston, Texas, January 6, 1906 (C. A. Hart).

Melanoplus viridipes eurycercus Hebard

Trans. Amer. Ent. Soc., Vol. XLVI, December 14, 1920, p. 392.
 Paratypes.—♂ and ♀: Derrick City, McKean County, Pennsylvania, June 6, 1915 (M. Hebard).

Mesochlora unicolor Hart

Ent. News, Vol. XVII, No. 5, May, 1906, p. 157.
 Lectotype.—♂: College Station, Texas, December 23, 1905 (C. A. Hart).
 Lectoallotype.—♀: College Station, Texas, December 26, 1905 (C. A. Hart).
 Paratypes.—♂ and ♀: College Station, Texas, December 23-27, 1905 (C. A. Hart).

Oedaleonotus phryneicus Hebard

Trans. Amer. Ent. Soc., Vol. XLV, September 25, 1919, p. 266.
 Paratypes.—♂ and ♀: Del Monte, Monterey County, California, September 9-10, 1910 (M. Hebard).

Sinaloa pulchella Hebard

Trans. Amer. Ent. Soc., Vol. LI, December 18, 1925, p. 288.
 Paratypes.—♂ and ♀: Venvidio, Sinaloa, Mexico, September 2, 1918 (J. A. Kusche); Villa Union, Sinaloa, Mexico, September 27, 1918 (J. A. Kusche).

Spharagemon saxatile Morse

Proc. Boston Soc. Nat. Hist., Vol. XXVI, February 21, 1894, p. 229.
 Paratype.—♂: Wellesley, Massachusetts, July 29, 1892 (A. P. Morse).

Trimerotropis saxatilis McNeill

Proc. U. S. Nat. Museum, Vol. XXVIII, No. 1215, 1901, p. 440.
 Lectotype.—♂: Union County, Illinois, July 23, 1884 (G. H. French).
 Paratype.—♂: Union County, Illinois, July 23, 1884 (G. H. French).
 Left hind leg of lectotype is missing.

Family TETRIGIDAE

Telmatettix minutus Hancock

The Tettigidae of North America, R. R. Donnelley and Sons Co., Chicago, Illinois, 1902, p. 134.
 Paratype.—♂: Cordova, V. C., Mexico, I-1899.

Family BLATTIDAE

Panchlora cahita Hebard

Trans. Amer. Ent. Soc., Vol. XLVIII, January 2, 1923, p. 174.

Paratypes.—♂: Venvidio, Sinaloa, Mexico, August and August 11-12, 1918
(J. A. Kusche).

ORDER ODONATA

Family AESCHNIDAE

Gomphus lentulus Needham

Can. Ent., Vol. XXXIV, No. 10, October, 1902, p. 275.

Type.—♂: Flora, Illinois, June, 1898 (J. F. Garber).

In fair condition. Genitalia mounted on card point on separate pin.

Family LIBELLULIDAE

Somatochlora macrotona Williamson

Ent. News, Vol. XX, No. 2, February, 1909, p. 78.

Type.—♂: Duluth, Minnesota.

Allotype.—♀: Duluth, Minnesota.

Paratypes.—♂: Duluth, Minnesota.

ORDER EPHEMERIDA

Family EPHEMERIDAE

Baetis harti McDunnough

Can. Ent., Vol. LVI, No. 1, January, 1924, p. 7.

Holotype.—♂: Urbana, Illinois, July 11, 1878 (C. A. Hart). Acc. No. 24491.

Paratype.—♂: Urbana, Illinois, July 11, 1878 (C. A. Hart). Acc. No. 24491.

Baetis pallidula McDunnough

Can. Ent., Vol. LVI, No. 1, January, 1924, p. 8.

Holotype.—♂: Muncie, Illinois, Stony Creek, May 24, 1914.

Paratype.—♂: Muncie, Illinois, Stony Creek, May 24, 1914.

Campsurus primus McDunnough

Can. Ent., Vol. LVI, No. 1, January, 1924, p. 7.

Holotype.—♂: Grand Tower, Illinois, August 14, 1898 (C. A. Hart). Acc. No. 24529.

Paratype.—♂: Grand Tower, Illinois, August 14, 1898 (C. A. Hart). Acc. No. 24529.

Heptagenia integer McDunnough

Can. Ent., Vol. LVI, No. 1, January, 1924, p. 9.

Holotype.—♂: Alton, Illinois, at light, August 27, 1913 (C. A. Hart).

Paratype.—♂: Alton, Illinois, at light, August 27, 1913 (C. A. Hart); Urbana, Illinois, at light, June 14, 1887 (C. A. Hart). Acc. No. 12092.

Pseudocloeon veteris McDunnough

Can. Ent., Vol. LVI, No. 1, January, 1924, p. 8.

Holotype.—♂: Urbana, Illinois, near Salt Fork Creek, May 13, 1898 (C. A. Hart). Acc. No. 24400.

Allotype.—♀: Urbana, Illinois, near Salt Fork Creek, May 13, 1898 (C. A. Hart). Acc. No. 24400.

ORDER THYSANOPTERA

Family HETEROTHRIPIDAE

Heterothrips arisaemae Hood

Bull. Ill. State Lab. Nat. Hist., Vol. VIII, Art. II, August 22, 1908, p. 362.
 Paratype.—♀: Urbana, Illinois, Brownfield Woods (Augerville), in flowers of Jack-in-the-pulpit—(*Arisaema triphyllum* Torr.), May 18, 1907 (F. C. Gates). Slide No. 3265.

The genotype of *Heterothrips* Hood (Monobasic).

Family PHLOEOTHRIPIDAE

Allothrips megacephalus Hood

Bull. Ill. State Lab. Nat. Hist., Vol. VIII, Art. II, August 22, 1908, p. 373.
 Paratype.—♀: Urbana, Illinois, under bark of cottonwood tree, November 19, 1907 (R. D. Glasgow). Slide No. 3266.

The genotype of *Allothrips* Hood (Monobasic).

Lissothrips muscorum Hood

Bull. Ill. State Lab. Nat. Hist., Vol. VIII, Art. II, August 22, 1908, p. 365.
 Paratype.—♀: Muncie, Illinois, in moss, June 16, 1908 (J. D. Hood). Slide No. 3267.

The genotype of *Lissothrips* Hood (Monobasic).

Neothrips corticis Hood

Bull. Ill. State Lab. Nat. Hist., Vol. VIII, Art. II, August 22, 1908, p. 372.
 Paratype.—♂: Urbana, Illinois, under bark of soft maple trees, January 19, 1908 (J. D. Hood). Slide No. 3268.

The genotype of *Neothrips* Hood (Monobasic).

Plectrothrips antennatus Hood

Bull. Ill. State Lab. Nat. Hist., Vol. VIII, Art. II, August 22, 1908, p. 370.
 Paratype.—♂: Urbana, Illinois, on window, June 23, 1908 (J. D. Hood). Slide No. 3269.

The genotype of *Plectrothrips* Hood (Monobasic).

Trichothrips americanus Hood

Bull. Ill. State Lab. Nat. Hist., Vol. VIII, Art. II, August 22, 1908, p. 366.
 Paratypes.—♂ and ♀: Urbana, Illinois, under bark of rotten maple stump, March 24, 1907 (J. D. Hood). Slide No. 3270.

Trichothrips angusticeps Hood

Bull. Ill. State Lab. Nat. Hist., Vol. VIII, Art. II, August 22, 1908, p. 367.
 Paratype.—♀: Urbana, Illinois, under bark of rotten box-elder stump, April 23, 1907 (J. D. Hood). Slide No. 3271.

Trichothrips buffae Hood

Bull. Ill. State Lab. Nat. Hist., Vol. VIII, Art. II, August 22, 1908, p. 369.
 Paratype.—♀: Urbana, Illinois, under bark of soft maple tree, February 22, 1908 (J. Zetek and F. C. Gates). Slide No. 3272.

This species was transferred by Hood in 1912 to the genus *Rhynchothrips* Hood.

Trichothrips longitubus Hood

Bull. Ill. State Lab. Nat. Hist., Vol. VIII, Art. II, August 22, 1908, p. 368.
 Paratype.—♀: Carbondale, Illinois, sweepings, May 19, 1908 (C. A. Hart). Slide No. 3273.

Family IDOLOTIIRIPIDAE

Idolothrips flavipes Hood

Bull. Ill. State Lab. Nat. Hist., Vol. VIII, Art. 2, August 22, 1908, p. 377.
 Paratype.—♂: Dubois, Illinois, sifted from fallen oak leaves, April 28, 1908 (C. A. Hart and L. M. Smith). Slide No. 3274.

This species has been transferred to the genus *Gigantothrips* Zimmerman by Watson (Florida Agr. Exp. Station Tech. Bull. 168, December, 1923, p. 71).

ORDER HEMIPTERA

Family GERRIDAE

Gerris comatus Drake and Hottes

Ohio Journ. Sc., Vol. XXV, January, 1925, p. 48.

Paratype.—♂: Ames, Iowa, July 24, 1924 (C. J. Drake).

Gerris incurvatus Drake and Hottes

Proc. Biol. Soc. Wash., Vol. 38, 1925, p. 72.

Paratype.—♂: Illinois River, Hennepin, Illinois, September 13, 1912.

Gerris nebularis Drake and Hottes

Proc. Biol. Soc. Wash., Vol. 38, May 26, 1925, p. 70.

Paratypes.—♀ and ♂: Big Muddy River, Waltonville, Illinois, July 20, 1913.

Gerris notabilis Drake and Hottes

Ohio Journ. Sc., Vol. XXV, No. 1, January, 1925, p. 46.

Paratype.—♀: Pingree Park, Colorado, August 18, 1924 (C. J. Drake and F. C. Hottes).

Paramorphotype.—♀: Oaktown, Illinois, along railroad in swamp, August 15, 1905.

Gerris pingrensis Drake and Hottes

Ohio Journ. Sc., Vol. XXV, No. 1, January, 1925, p. 49.

Paratypes.—♂: Pingree Park, Colorado, August 16 and 22, 1924 (C. J. Drake and F. C. Hottes).

Family MIRIDAE

Deraeocoris aphidiphagus Knight

Eighteenth Rep. State Ent. Minn., December 1, 1920, p. 134.

Paratypes.—♂: Augerville (Brownfield Woods, Urbana), Illinois, June 6, 1915 (J. R. Malloch); Urbana, Illinois, June 16, 1885 (C. A. Hart); Northern Illinois (A. Bolter). Acc. No. 6050.

Deraeocoris quercicola Knight

Eighteenth Rep. State Ent. Minn., December 1, 1920, p. 138.

Paratypes.—♂ and ♀: Champaign, Illinois. June 12-15, 1888 (C. A. Hart); Elizabeth, Illinois, July 6, 1917 (J. R. Malloch). Hart Acc. Nos. 322 and 328.

Plagiognathus flavicornis Knight

State Geol. Nat. Hist. Sur. Conn., Bull. 34, 1923, p. 436.

Paratypes.—♀: Sun Lake, Lake County, Illinois, bog August 9, 1906 (C. A. Hart); Cedar Lake, Lake County, Illinois, bog, August 4, 1906 (C. A. Hart).

Plagiognathus nigroritens Knight

State Geol. Nat. Hist. Sur. Conn., Bull. 34, 1923, p. 435

Paratypes.—♂: Hennepin County, Minnesota, August 12, 1919 (H. H. Knight); Little Bear Lake, Grand Junction, Michigan, July 15, 1914.

Plagiognathus politus var. *flaveolus* Knight

State Geol. Nat. Hist. Sur. Conn., Bull. 34, 1923, p. 434.

Paratypes.—♀: Urbana, Illinois, September 13, 1909; Algonquin, Illinois, August 30, 1894 (W. A. Nason).

Plagiognathus punctatipes var. *dispar* Knight

State Geol. Nat. Hist. Sur. Conn., Bull. 34, 1923, p. 451.

Paratype.—♂: Dixon, Illinois, May 31, 1914.

Family NABIDAE

Nabis elongatus Hart

Bull. Ill. State Lab. Nat. Hist., Vol. VII, Art. VII, January, 1907, p. 262.
Type.—♂: Havana, Illinois, along sandy shore of Illinois River, June 9, 1906 (C. A. Hart).

Now considered a synonym of *Nabis propinquus* Rüder. The name *elongatus* is also preoccupied.

Family REDUVIIDAE

Stenolemus spiniger McAtee and Malloch

Proc. U. S. Nat. Mus., Vol. 67, No. 2573, 1925, p. 33.
Paratype.—♀: Brownsville, Texas (Dorner).

Family TINGIDAE

Corythucha aesculi Osborn and Drake

Ohio Biol. Surv. Bull. 8, Vol. 11, No. 4, June, 1916, p. 232.
Paratype.—♀: Columbus, Ohio, May 2, 1915 (C. J. Drake).

Corythucha padi Drake

Ohio Journ. Sc., Vol. XVII, No. 6, April 16, 1917, p. 215.
Paratype.—♀: Missoula, Montana, May 20, 1916 (J. R. Parker).

Corythucha salicata Gibson

Trans. Amer. Ent. Soc., Vol. XLIV, April 14, 1918, p. 90.
Paratype.—♂: Hood River, Oregon, on willow, August 4, 1908 (J. C. Bridwell).

Merragata foveata Drake

Ohio Journ. Sc., Vol. XVII, No. 4, February 17, 1917, p. 103.
Paratype.—♀: Summit, Ohio, August 31, 1916 (C. J. Drake).

Piesma cinerea* var. *inornata McAtee

Bull. Brook. Ent. Soc., Vol. XIV, No. 3 (7), June, 1919, p. 87.
Paratypes.—♂ and ♀: Algonquin, Illinois, August 23-24, 1895 (W. A. Nason).

Family ANTHOCORIDAE

Lasiochilus hirtellus Drake and Harris

Proc. Biol. Soc. Wash., Vol. 39, July 30, 1926, p. 33.
Paratypes.—♂ and ♀: Brownsville, Texas, South Texan Garden, at light, June 23, 1908; Brownsville, Texas, April 11 (G. Dorner).

Family LYGAEIDAE

Geocoris frisoni Barber

Bull. Brook. Ent. Soc., Vol. XXI, Nos. 1-2, February-April, 1926, pp. 38-39.
Holotype.—♂: Havana, Illinois, Devil's Hole, August 30, 1917.
Allotype.—♀: Havana, Devil's Hole, August 15, 1907.
Paratypes.—♂ and ♀: Arenzville, Illinois, bluff sand, August 14, 1913; Bishop, Illinois, June 22, 1906, Meredosia, Illinois, sand pit, August 22, 1917, Havana, Illinois, Devil's Hole, September 11, 1910 and September 28, 1913; Havana, Illinois, Devil's Neck, June 7, 1905 (C. A. Hart).

Family ARADIDAE

Aradus implanus Parshley

Trans. Amer. Ent. Soc., Vol. XLVII, April 9, 1921, p. 45.
Paratype.—♂: Funk's Grove, Illinois, April 30, 1884 (C. A. Hart). Acc. No. 1511.

Aradus robustus* var. *insignis Parshley

Trans. Amer. Ent. Soc., Vol. XLVII, April 9, 1921, p. 42.
Paratype.—♀: Brownsville, Texas, under board, December 16, 1911 (C. A. Hart).

Family COREIDAE

Catorhintha flava Fracker

Ann. Ent. Soc. Amer., Vol. XVI, No. 2, June, 1923, p. 171.

Holotype.—♂: Brownsville, Texas, December 9, 1910 (C. A. Hart).

Allotype.—♀: Lake Lomalta, Texas, November 27, 1910 (C. A. Hart).

Family PENTATOMIDAE

Euschistus subimpunctatus Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. VII, June, 1919, p. 191.

Type.—♀: Anna, Illinois, July 22, 1883. Acc. No. 3791.

Thyanta elegans Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art VII, June, 1919, p. 218.

Type.—♂: Loma, Texas, July 7, 1908.

Allotype.—♀: Lake Lomalta, Texas, November 27, 1910.

Family CYDNIDAE

Corimelaena agrella McAtee

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. VII, June, 1919, p. 216.

Paratypes.—♂ and ♀: Kentucky; Plummers Island, Maryland, May 18, 1913 (W. L. McAtee).

Corimelaena harti Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. VII, June, 1919, p. 215.

Type.—♂: Makanda, Illinois, by sweeping, June 26, 1909 (C. A. Hart).

Allotype.—♀: Makanda, Illinois, by sweeping, June 26, 1909 (C. A. Hart).

Corimelaena interrupta Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. XIII, Art. VII, June, 1919, p. 214.

Type.—♂: Brownsville, Texas, November 23, 1911, swept from pastures in South Texas Garden (C. A. Hart).

Paratype.—♂: Brownsville, Texas, November 23, 1911, swept from pastures in South Texas Garden (C. A. Hart).

Corimelaena minutissima Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. VII, June, 1919, p. 214.

Type.—♂: Sarita, Texas, on sand hills, December 1, 1911 (C. A. Hart).

Corimelaena polita Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. VII, June, 1919, p. 213.

Type.—♀: Brownsville, Texas, July 10, 1908 (C. A. Hart).

Galgupha aterrima Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. VII, June, 1919, p. 211.

Type.—♂: Odin, Illinois, on pink sorrel, May 12, 1902 (E. G. Titus). Acc. No. 31440.

Lectoallotype.—♀: White Heath, Illinois, June 18, 1906.

Paratypes.—♂ and ♀: Havana, Illinois, along road to Devil's Hole, August 15, 1907; Dongola, Illinois, May 10, 1917; Grand Tower, Illinois, June 27, 1906; Northern Illinois; Southern Illinois; Normal, Illinois, June 14, 1882; Urbana, Illinois, June 30, 1888 (J. Martin and C. A. Hart); Cobden, Illinois, April 12, 1883; two without data. Acc. Nos. 3057, 14535 and 3198.

ORDER HOMOPTERA

Family CICADIDAE

Tibicen semicincta Davis

Journ. N. Y. Ent. Soc., Vol. XXXIII, No. 1, March, 1925, p. 41.

Paratype.—♂: Baboquivari Mountains, Pima County, Arizona, June, 1924 (O. C. Poling).

Family MEMBRACIDAE

Ceresa turbida Goding

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. XIV, January, 1894, p. 406.
Paratype.—♂: Colorado (Gillette).

Now considered as a synonym of *Ceresa basalis* Walker.

Telamona irrorata Goding

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. XIV, January, 1894, p. 418.
Cotype.—♂: Galesburg, Illinois (C. W. Stromberg).
Now listed as *Telamona dubiosa* Van Duzee, *irrorata* being preoccupied.

Family CICADELLIDAE

Cicadula nigrifrons Forbes

Fourteenth Rep. State Ent. Ill., September 2, 1885, p. 67.

Lectotype.—♂: Anna, Illinois, on corn, July 14, 1884 (S. A. Forbes).
Acc. No. 4427.

Lectoallotype.—♀: Anna, Illinois, on corn, July 14, 1884 (S. A. Forbes).
Acc. No. 4427.

Paratypes.—♂ and ♀: Anna, Illinois, on corn, July 14, 1884 (S. A. Forbes); Mt. Carmel, Illinois, on oats, May 28, 1884 (H. Garman).
Acc. Nos. 4427 and 1793.

This species is now placed in the genus *Thamnotettix* Zetterstedt.

Cicadula quadrilineatus Forbes

Fourteenth Rep. State Ent. Ill., September 2, 1885, p. 68.

Lectotype.—♂: Marshall, Illinois, from wheat, May 22, 1884. Acc. No. 1871.

Lectoallotype.—♀: Marshall, Illinois, from wheat, May 22, 1884. Acc. No. 1871.

Paratypes.—♂ and ♀: Marshall, Illinois, from wheat, May 22, 1884; West Union, Illinois, on wheat, May 24, 1884. Acc. Nos. 1871 and 1888.

Lectotype, Lectoallotype and 14 paratypes mounted on card points, remainder of type series in alcohol. This species is now considered as a synonym of *Cicadula sexnotata* (Fallen), the latter having priority.

Dikraneura cockerelli Gillette

Psyche, Vol. VII, Suppl. 1, December, 1895, p. 14.

Paratypes.—♀: New Mexico (1990).

Dikraneura communis Gillette

Proc. U. S. Nat. Mus., Vol. 20, No. 1128, April 20, 1898, p. 718.

Paratype.—♂: Urbana, Illinois, May 14, 1889 (J. Marten). Acc. No. 14873.

This species is now considered as a synonym of *Dikraneura mali* (Provancher). In fair condition.

Empoa albopicta Forbes

Thirteenth Rep. State Ent. Ill., May 31, 1884, p. 181.

Lectotype.—♂: Centralia, Illinois, on apple leaves, August 6, 1883. Acc. No. 3706.

Lectoallotype.—♀: Centralia, Illinois, on apple leaves, August 6, 1883. Acc. No. 3706.

Paratypes.—♂ and ♀: Centralia, Illinois, on apple leaves, August 6, 1883. Acc. No. 3706.

Lectotype, lectoallotype and 8 paratypes mounted on card points, remainder of paratypes in alcohol. This species is now considered synonymous with *Empoasca mali* (LeBaron), the latter having priority.

Erythroneura abolla var. *lemniscata* McAtee

Bull. Ill. State Nat. Hist. Surv., Vol. XVI, Art. III, July, 1926, p. 131.

Holotype.—♀: Urbana, Illinois, Cottonwoods (University Woods), July 12, 1920 (C. P. Alexander).

Paratype.—♀: Urbana, Illinois, Brownfield Woods, April 29, 1920.

Erythroneura comes var. **palimpsesta** McAtee

Bull. Ill. State Nat. Hist. Surv., Vol. XV, Art. II, April, 1921, p. 43.

Holotype.—♂: Forest City, Illinois, April 3, 1917.

Allotype.—♀: Forest City, Illinois, April 3, 1917.

Erythroneura comes var. **pontifex** McAtee

Bull. Ill. State Nat. Hist. Surv., Vol. XVI, Art. III, July, 1926, p. 136.

Holotype.—♀: Dubois, Illinois, May 24, 1917.

Erythroneura comes var. **reflecta** McAtee

Bull. Ill. State Nat. Hist. Surv., Vol. XV, Art. II, April, 1924, p. 43.

Paratype.—♀: Centerville (Monticello-Mahomet), Illinois, along Sangamon River, August 16, 1914.

Erythroneura comes var. **rufomaculata** McAtee

Bull. Ill. State Nat. Hist. Surv., Vol. XV, Art. II, April, 1924, p. 43.

Holotype.—♀: Clay City, Illinois, August 17, 1911.

Paratype.—♀: Clay City, Illinois, August 17, 1911; Urbana, Illinois, on grape, November 23, 1914; Illinois, No. 1992.

Erythroneura ligata var. **pupillata** McAtee

Bull. Ill. State Nat. Hist. Surv., Vol. XV, Art. II, April, 1924, p. 42.

Holotype.—♂: Urbana, Illinois, hibernating, February 21, 1900 (H. O. Woodworth). Acc. No. 25069.

Paratype.—♂: Urbana, Illinois, on window, July 7, 1915; Urbana, Illinois, in moss and bark, March 4, 1888 (C. A. Hart). Hart Acc. No. 152.

Erythroneura lunata McAtee

Bull. Ill. State Nat. Hist. Surv., Vol. XV, Art. II, April, 1924, p. 41.

Holotype.—♂: Urbana, Illinois, on tree trunk, November 11, 1915.

Allotype.—♀: White Heath, Illinois, May 7, 1909.

Erythroneura mallochi McAtee

Bull. Ill. State Nat. Hist. Surv., Vol. XV, Art. II, April, 1924, p. 41.

Holotype.—♂: Meredosia, Illinois, May 30, 1917.

Erythroneura mitella McAtee

Bull. Ill. State Nat. Hist. Surv., Vol. XVI, Art. III, July, 1926, p. 132.

Holotype.—♂: White Heath, Illinois, April 30, 1916.

Allotype.—♀: Urbana, Illinois, November 3, 1916.

Paratypes.—♂ and ♀: White Heath, Illinois, April 30, 1916; Dongola, Illinois, May 10, 1916; Alto Pass, Illinois, May 7, 1917; DuBois, Illinois, May 23 and August 8, 1917.

Erythroneura oculata McAtee

Bull. Ill. State Nat. Hist. Surv., Vol. XV, Art. II, April, 1924, p. 39.

Holotype.—♀: Brownsville, Texas, in sweepings from weeds, November 30, 1910 (C. A. Hart).

Erythroneura repetita McAtee

Bull. Ill. State Nat. Hist. Surv., Vol. XVI, Art. III, July 1926, p. 131.

Holotype.—♀: Illinois.

Erythroneura scutellaris var. **insolita** McAtee

Bull. Ill. State Nat. Hist. Surv., Vol. XVI, Art. III, July, 1926, p. 133.

Holotype.—♀: Muncie, Illinois, along Stony Creek, July 5, 1914.

Allotype.—♂: Dongola, Illinois, August 23, 1916.

Erythroneura sexpunctata Malloch

Bull. Brook. Ent. Soc., Vol. XVI, No. 1, February, 1921, p. 25.

Type.—♂: Muncie, Illinois, along Salt Fork, December 13, 1913 (C. A. Hart and J. R. Malloch).

According to McAtee (Bull. Ill. Nat. Hist. Surv., Vol. XV, Art. II, p. 40, April, 1924), this is synonymous with *E. tecta* McAtee.**Gypona albimarginata** Woodworth

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. II, October, 1887, p. 31.

Type.—♂: Urbana, Illinois, July 15, 1887 (C. A. Hart). Acc. No. 12915.

Now considered as a synonym of *Gypona scarlatina* var. *limbatipennis* Spangberg.

Gypona bimaculata Woodworth

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. II, October, 1887, p. 32.

Type.—♂: Urbana, Illinois, July 31, 1886 (C. A. Hart). Acc. No. 10726.
The specific name of *woodworthi* was proposed by Van Duzee because
bimaculata was preoccupied. This species is now considered as a
synonym of *Gypona scarlatina* var. *pectoralis* Spangberg.

Gypona bipunctulata Woodworth

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. II, October, 1887, p. 30.

Type.—♀: No data.

Now considered as a synonym of *Gypona melanota* Spangberg.

Gypona nigra Woodworth

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. II, October, 1887, p. 31.

Lectotype.—♂: Champaign, Illinois, on weeds, July 24, 1885. Acc. No.
6814.

Paratype.—♂: Normal, Illinois, on wild plum, August, 1883; one para-
type with no data. Acc. No. 3531.

Now considered as a synonym of *Gypona melanota* Spangberg.

Tettigonia similis Woodworth

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. II, October, 1887, p. 25.

Type.—♀: Bloomington, Illinois, May 9, 1884. Acc. No. 1687.

Now considered as a synonym of *Cicadella gothica* (Signoret).

Typhlocyba antigone McAtee

Proc. U. S. Nat. Mus., Vol. 68, Art. 18, June 10, 1926, p. 35.

Holotype.—♂: White Heath, Illinois, on oak, June 24, 1916.

Typhlocyba appendiculata Malloch

Can. Ent., Vol. LII, No. 4, April, 1920, p. 95.

Type.—♂: Elizabethtown, Illinois, July 8, 1917.

Allotype.—♀: Elizabethtown, Illinois, July 8, 1917.

Paratype.—♂: Urbana, Illinois, on oak, July 17, 1916 (J. R. Malloch).

Typhlocyba athene McAtee

Proc. U. S. Nat. Mus., Vol. 68, Art. 18, June 10, 1926, p. 31.

Holotype.—♂: Urbana, Illinois, on tree-trunk, June 7, 1916 (J. R. Mal-
loch).

Typhlocyba gillettei var. *apicata* McAtee

Proc. U. S. Nat. Mus., Vol. 68, Art. 18, June 10, 1926, p. 25.

Paratypes.—♂ and ♀: Urbana, Illinois, tree-trunks and forestry, June 7,
9, 17, 1916; White Heath, Illinois, on oak, June 24, 1916; Elizabeth, Illi-
nois, July 7, 1917.

Typhlocyba gillettei var. *casta* McAtee

Proc. U. S. Nat. Mus., Vol. 68, Art. 18, June 10, 1926, p. 26.

Paratypes.—♂ and ♀: Urbana, Illinois, tree-trunks, June 8-9, October 23,
1916, July 9, 13, 14, 1920; White Heath, Illinois, on oak, June 24, Ju'y 5,
1916; Elizabeth, Illinois, July 6, 1917; Algonquin, Illinois, June 10, 1896,
October 13, 1895; Crystal Lake, Illinois, July 21, 1916; Monticello, Illi-
nois, along Sangamon River, June 28, 1914.

Typhlocyba gillettei var. *saffrana* McAtee

Proc. U. S. Nat. Mus., Vol. 68, Art. 18, June 10, 1926, p. 26.

Paratype.—♀: White Heath, Illinois, July 5, 1916.

Typhlocyba hartii Gillette

Proc. U. S. Nat. Mus., Vol. 20, April 20, 1898, p. 754.

Paratype.—♀: Urbana, Illinois, swept from rye, May 14, 1889 (J. Marten)
Acc. No. 14873.

Now placed in the genus *Erythroneura* Fitch.

Typhlocyba lancifer McAtee

Proc. U. S. Nat. Mus., Vol. 68, Art. 18, June 10, 1926, p. 19.

Paratype.—♂: Urbana, Illinois, June 4, 1916.

Typhlocyba nicarete McAtee

Proc. U. S. Nat. Mus., Vol. 68, Art. 18, June 10, 1926, p. 36.

Holotype.—♂: White Heath, Illinois, on oak, June 24, 1916.

Paratypes.—♂ and ♀: White Heath, Illinois, on oak, June 24, 1916; Urbana, Illinois, forestry, June 17, 1916.

Typhlocyba phryne McAtee

Proc. U. S. Nat. Mus., Vol. 68, Art. 18, June 10, 1926, p. 34.

Holotype.—♀: Urbana, Illinois, July 9, 1920.

Typhlocyba piscator McAtee

Proc. U. S. Nat. Mus., Vol. 68, Art. 18, June 10, 1926, p. 7.

Holotype.—♂: Elizabeth, Illinois, July 8, 1917.

Typhlocyba pomaria McAtee

Proc. U. S. Nat. Mus., Vol. 68, Art. 18, June 10, 1926, p. 29.

Paratypes.—♀: Clayton, Illinois, September 30, 1916; Urbana, Illinois, September 20, 1916; Olney, Illinois, on apple, September 21, 1916.

Typhlocyba rubriocellata Malloch

Bull. Brook. Ent. Soc. Vol. XV, Nos. 2 and 3, April-June, 1920, p. 48.

Type.—♀: Augerville Grove (Brownfield Woods), Urbana, Illinois, June 20, 1919 (J. R. Malloch).

Typhlocyba rubriocellata var. clara McAtee

Proc. U. S. Nat. Mus., Vol. 68, Art. 18, June 10, 1926, p. 21.

Holotype.—♀: Urbana, Illinois, Cottonwoods (University Woods), on *Aesculus*, July 30, 1920.

Family FULGORIDAE

Bruchomorpha bicolor Metcalf

Journ. Elisha Mitchell Sc. Soc., Vol. XXXVIII, Nos. 3 and 4, May, 1923, p. 186.

Holotype.—♂: Brownsville, Texas, palm jungle sweepings, November 21, 1911 (C. A. Hart).

Allotype.—♀: Brownsville, Texas, palm jungle sweepings, November 21, 1911 (C. A. Hart).

Paratype.—♀: Brownsville, Texas, palm jungle sweepings, November 21, 1911 (C. A. Hart).

Bruchomorpha decorata Metcalf

Journ. Elisha Mitchell Sc. Soc., Vol. XXXVIII, Nos. 3 and 4, May, 1923, p. 188.

Holotype.—♂: Brownsville, Texas, palm jungle sweepings, November 21, 1911 (C. A. Hart).

Allotype.—♀: Brownsville, Texas, palm Jungle sweepings, November 21, 1911 (C. A. Hart).

Paratype.—♀: Brownsville, Texas, palm jungle sweepings, November 21, 1911 (C. A. Hart).

Bruchomorpha vittata Metcalf

Journ. Elisha Mitchell Sc. Soc., Vol. XXXVIII, Nos. 3 and 4, May, 1923, p. 185.

Holotype.—♀: Brownsville, Texas, palm jungle sweepings, November 21, 1911 (C. A. Hart).

Paratype.—♀: Brownsville, Texas, palm jungle sweepings, November 21, 1911 (C. A. Hart).

Euklastus harti Metcalf

Journ. Elisha Mitchell Sc. Soc., Vol. XXXVIII, Nos. 3 and 4, May, 1923, p. 195.

Holotype.—♂: Grand Tower, Illinois, August 8, 1891 (C. A. Hart and Shiga). Acc. No. 17202.

The locality of this type was erroneously recorded in the original description by Z. P. Metcalf as Alto Pass, Illinois, August 13, 1891.

***Herpis australis* Metcalf**

Journ. Elisha Mitchell Sc. Soc., Vol. XXXVIII, Nos. 3 and 4, May, 1923, p. 196.

Holotype.—♂: Brownsville, Texas, November 4 (G. Dorner).

In the original description the date is November 11. Now considered as a synonym of *Cedusa praecox* Van Duzee.

***Liburnia alexanderi* Metcalf**

Journ. Elisha Mitchell Sc. Soc., Vol. XXXVIII, Nos. 3 and 4, May, 1923, p. 209.

Paratypes.—♂: Dongola, Illinois, meadow, August 24, 1916; Metropolis, Illinois, August 18, 1891 (C. A. Hart). Acc. No. 17232.

Original description gives Urbana, Illinois, instead of Metropolis for latter record. Now placed in the genus *Delphacodes* Fieber.

***Liburnia fulvidorsum* Metcalf**

Journ. Elisha Mitchell Sc. Soc., Vol. XXXVIII, Nos. 3 and 4, May, 1923, p. 210.

Holotype.—♂: Brownsville, Texas, South Texas Garden, December 19, 1910 (C. A. Hart).

Paratype.—♂: Brownsville, Texas, South Texas Garden, December 19, 1910 (C. A. Hart).

Now placed in the genus *Delphacodes* Fieber. Erroneously recorded in original description as collected on December 10.

***Megamelanus laetus* Metcalf**

Journ. Elisha Mitchell Sc. Soc., Vol. XXXVIII, Nos. 3 and 4, May, 1923, p. 200.

Holotype.—♂: Loma, Texas, sweepings, December 11, 1910 (C. A. Hart).

Allotype.—♀: Loma, Texas, sweepings, December 11, 1910 (C. A. Hart).

Paratype.—♂: Loma, Texas, sweepings, December 11, 1910 (C. A. Hart).

***Microledrida flava* Metcalf**

Journ. Elisha Mitchell Sc. Soc., Vol. XXXVIII, Nos. 3 and 4, May, 1923, p. 183.

Holotype.—♂: Brownsville, Texas, palm jungle sweepings, November 21, 1911 (C. A. Hart).

***Myndus truncatus* Metcalf**

Journ. Elisha Mitchell Sc. Soc., Vol. XXXVIII, Nos. 3 and 4, May, 1923, p. 184.

Holotype.—♂: Elizabeth, Illinois, July 6, 1917.

***Oeclaeus productus* Metcalf**

Journ. Elisha Mitchell Sc. Soc., Vol. XXXVIII, Nos. 3 and 4, May, 1923, p. 184.

Holotype.—♂: Dongola, Illinois, August 23, 1916.

Paratype.—♂: Metropolis, Illinois, August 19, 1916.

***Oliarus texanus* Metcalf**

Journ. Elisha Mitchell Sc. Soc., Vol. XXXVIII, Nos. 3 and 4, May, 1923, p. 181.

Holotype.—♂: Brownsville, Texas, palm jungle sweepings, November 21, 1911 (C. A. Hart).

Allotype.—♀: Brownsville, Texas, palm jungle sweepings, November 21, 1911 (C. A. Hart).

Paratypes.—♂ and ♀: Brownsville, Texas, in pasture, South Texas Garden, November 23, 1911 (C. A. Hart), December 9, 1911, sweepings (C. A. Hart).

***Oliarus vittatus* Metcalf**

Journ. Elisha Mitchell Sc. Soc., Vol. XXXVIII, Nos. 3 and 4, May, 1923, p. 181.

Holotype.—♂: Brownsville, Texas, in pasture, South Texas Garden, November 19, 1911 (C. A. Hart).

Allotype.—♀: Brownsville, Texas, in pasture, South Texas Garden, December 8, 1911 (C. A. Hart).

Otiocerus wolfii var. *nubilus* McAtee

Bull. Ill. State Nat. Hist. Surv., Vol. XVI, Art. III, July, 1926, p. 128.
Type.—♀: Metropolis, Illinois, September 3, 1924 (T. H. Frison).

Pissonotus fulvus Metcalf

Journ. Elisha Mitchell Sc. Soc., Vol. XXXVIII, Nos. 3 and 4, May, 1923,
p. 206.

Holotype.—♂: Paxton, Illinois, July 30, 1916.

Allotype.—♀: Paxton, Illinois, July 30, 1916.

Traxus fulvus Metcalf

Journ. Elisha Mitchell Sc. Soc., Vol. XXXVIII, Nos. 3 and 4, May, 1923,
p. 189.

Allotype.—♀: Brownsville, Texas, November 21, 1910 (C. A. Hart).

Paratypes.—♀: Brownsville, Texas, sweepings from weeds, November 24,
1910 (C. A. Hart), palm jungle sweepings, November 21, 1911 (C. A.
Hart), November 26, 1910 (C. A. Hart).

Family CHERMIDAE

Calophya pallidula McAtee

Bull. Ill. State Nat. Hits. Surv., Vol. XVI, Art. III, July, 1926, p. 127.

Holotype.—♀: Meredosia, Illinois, May 29, 1917.

Paratype.—♀: Meredosia, Illinois, May 29, 1917.

Trioza pyrifoliae Forbes

Fourteenth Rep. State Ent. Ill., September 2, 1885, p. 98.

Lectotype.—♂: Normal, Illinois, on pear leaves, May 7, 1884. Acc. No.
1624.

Lectoallotype.—♀: Normal, Illinois, on pear leaves, May 7, 1884. Acc.
No. 1624.

Paratypes.—♀: Normal, Illinois, on pear leaves, May 7, 1884. Acc. No.
1624.

Family APIIIDAE

Aphis cucumeris Forbes

Twelfth Rep. State Ent. Ill., November 20, 1883, p. 83.

Type.—♀: Normal, Illinois, on muskmelons, July 19, 1882 (S. A. Forbes).
Slide No. 1557.

Wingless. In fair condition. Mounted in balsam.

Now considered to be synonymous with *Aphis gossypii* Glover.

Callipterus caryaefoliae Davis

Ent. News, Vol. XXI, No. 5, May, 1910, p. 198.

Lectotypic slide.—Winged viviparous females: Lake Forest, Illinois, on
hickory, June 24, 1909 (J. J. Davis). Acc. No. 43266. Slide No. 1838.
In fair condition. Mounted in balsam.

Callipterus quercifolii Thomas

Eighth Rep. State Ent. Ill., 1879, p. 112.

Cotypes.—♀: Sauk City, Wisconsin, on red oak leaves, June (Bundy).
Acc. No. 47317.

Several specimens in alcohol in vial. In poor condition. Stated by Davis
(1913) to be synonymous with *Chaitophorus quercicola* Monell.

Callipterus ulmicola Thomas

Eighth Rep. State Ent. Ill., 1879, p. 111.

Cotypes.—♀: Sauk City, Wisconsin, on elm, June (Bundy). Acc. No.
47318.

Several specimens in alcohol in vial. In poor condition. Now considered
as synonymous with *Callipterus ulmifolii* Monell (Davis, 1913).

Chaitophorus flavus Forbes

Thirteenth Rep. State Ent. Ill., May 31, 1884, p. 42.

Lectotype.—Winged ♀: Champaign, Illinois, on sorghum, July 25, 1883 (S. A. Forbes). Acc. No. 4968. Slide No. 3152.

Paratypes.—Adults and nymphs: Champaign, Illinois, on sorghum, July 25, 1883 (S. A. Forbes). Acc. No. 4968. Slides No. 3151, 3153—3156.

In poor condition. Lectotype and nineteen paratypes mounted in balsam on six slides, remainder of paratypes in alcohol in two vials. Now placed in the genus *Sipha* Passerini.

Chaitophorus negundinis Thomas

Bull. Ill. State Lab. Nat. Hist., Vol. I, No. 2, June, 1878, p. 10.

Cotypes.—Winged and wingless ♀: Peoria, Illinois, on *Negundo aceroides*, June (Miss E. A. Smith). Slide No. 2775.

In poor condition. Mounted in balsam.

Forda occidentalis Hart

Eighteenth Rep. State Ent. Ill., March 4, 1895, p. 96. (Reprint, 1920, p. 84).

Lectotype.—Wingless viviparous ♀: Champaign, Illinois, in blue-grass sod, attended by *Lasius niger*. April 28, 1894 (McElfresh). Acc. No. 19910.

Paratypes.—Wingless viviparous ♀: Urbana, Illinois, April 4, 1894 (J. Martin); Urbana, Illinois, April 10, 1894, on *Capsella bursa-pastoris*, attended by *Formica fusca gagates* (Surface). Acc. Nos. 19840 and 19807. Lectotype in alcohol and paratypes in balsam on slide and in alcohol. In very poor condition.

Geoica squamosa Hart

Eighteenth Rep. State Ent. Ill., March 4, 1895, p. 102. (Reprint, 1920, p. 90).

Lectotype.—Wingless viviparous ♀: Champaign, Illinois, on roots of corn, October 20, 1887 (C. M. Weed). Acc. No. 14197. Slide No. 3164.

Paratypes.—♂ (?) and ♀: Normal and Champaign, Illinois, on various grasses and often associated with ants, February to November, 1883 to 1890. Acc. Nos. 1204, 1421, 2203, 3240, 3246, 4582, 5356, 5752, 6528, 7226, 7290, 8164, 10118, 10144, 10154, 10159, 10238, 10983, 12321, 12322, 12486, 12665, 12666, 12667, 12706, 14197, 14358, 16013, 17772, 19758, 19807, 19840, 19911. Slide Nos. 3161-3163, 3165-3169, 3172 and 3173.

In very poor condition. Paratype material in various stages of development mounted in balsam on ten slides and in alcohol in vials.

Idiopterus nephrelepidis Davis

Ann. Ent. Soc. Amer., Vol. II, No. 3, September, 1909, p. 199.

Lectotypic slide.—Winged and wingless viviparous ♀: Chicago, Illinois, May 2, 1908, on sword fern in greenhouse (J. J. Davis). Acc. No. 42533. Slide No. 3117.

The genotype of *Idiopterus* Davis (Monobasic).

Megoura solani Thomas

Eighth Rep. State Ent. Ill., 1879, p. 73.

Type.—Winged ♀: Carbondale, Illinois, on tomato, May 26, 1878 (C. Thomas). Slide 2772.

In poor condition.

Pemphigus fraxinifoli Thomas

Eighth Rep. State Ent. Ill., 1879, p. 146.

Cotypes.—Winged viviparous ♀ and immature forms: Sauk City, Wisconsin, on *Fraxinus quadrangulata* June (Bundy). Slide 2762.

In very poor condition. Several specimens in alcohol in a vial. Now placed in the genus *Prociphilus* Koch.

Pemphigus rubi Thomas

Eighth Rep. State Ent. Ill., 1879, p. 147.

Cotypes.—Winged ♀: Carbondale, Illinois, on raspberry, April 12, 1878 (G. H. French). Slides Nos. 2767 and 2768.

Mounted on balsam on two slides. In poor condition.

Phymatosiphum monelli Davis

Ann. Ent. Soc. Amer., Vol. II, No. 3, September, 1909, p. 197.

Lectotype slide.—Winged viviparous females and pupae: St. Louis, Missouri, on buckeye, May 15, 1908 (J. T. Monell). Acc. No. 40469. Slide No. 3119.

Paratype slide.—Winged viviparous females: St. Louis, Missouri, on buckeye, June 30, 1908 (J. T. Monell). Acc. No. 40469. Slide No. 3120. Mounted in balsam on two slides.

Rhizobius spicatus Hart

Eighteenth Rep. State Ent. Ill., March 4, 1895, p. 105. (Reprint, 1920, p. 92).

Cotypes.—Wingless viviparous females and nymphs: Normal, Illinois, from corn, December 5, 1883 (S. A. Forbes); Tamaroa, Illinois, on corn roots, October 5, 1893 (J. Marten); Urbana, Illinois, from corn and grass roots, April 10, 1886 (C. M. Weed) and July 20, 1886 (S. A. Forbes). Acc. Nos. 1228, 8602, 10641, 19678 and 19679.

In very poor condition. In alcohol in vials.

Rhopalosiphum tulipae Thomas

Eighth Rep. State Ent. Ill., 1879, p. 80.

Cotypes.—Winged and wingless ♀: Sauk City, Wisconsin, on *Tulipa gesneriana* (Bundy). Acc. No. 47320.

Specimens in alcohol in vial associated with specimens of *Macrosiphum tulipae* Monell. In very poor condition. Stated by Davis (1913) to be identical with *Myzus persicae* Sulzer.

Schizoneura panicola Thomas

Eighth Rep. State Ent. Ill., 1879, p. 138.

Cotypic slide.—Winged and wingless ♀: St. Louis, Missouri, from roots of *Panicum glabrum*, November 30, 1877 (H. Pergande). Slide No. 2770. In very poor condition. Mounted in balsam.

Schizoneura pinicola Thomas

Eighth Rep. State Ent. Ill., 1879, p. 137.

Type.—Winged ♀: Carbondale, Illinois, on tender shoots of young white pines, April 20, 1878 (C. Thomas). Slide No. 2774.

In very poor condition. Mounted in balsam. Now considered as a synonym of *Mindarus abietinus* Koch.

Siphonophora acerifoliae Thomas

Bull. Ill. State Lab. Nat. Hist., Vol. I, No. 2, June, 1878, p. 4.

Cotypes ?: Sauk City, Wisconsin, on *Acer rubrum* (Bundy). Slide 2764. Two winged viviparous females and one immature form mounted in balsam

on a slide; several additional typic (?) specimens in alcohol in vial. In very poor condition. Mr. Davis, in Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. II, p. 99, says that "these may be the types". Material received from Bundy is not mentioned in original description. The host record of *Acer rubrum* indicates that these specimens are probably not the type. Now placed in the genus *Drepanaphis* Del Guercio.

Siphonophora heucherae Thomas

Eighth Rep. State Ent. Ill., 1879, p. 66.

Cotypes.—Immature and winged ♀: Sauk City, Wisconsin, on *Heuchera hispida*, June (Bundy). Slide Nos. 3174 and 3175.

Two balsam slide mounts and numerous specimens in alcohol in vial. In very poor condition. Now placed in the genus *Macrosiphum* Passerini.

Siphonophora minor Forbes

Thirteenth Rep. State Ent. Ill., May 31, 1884, p. 101.

Lectotype.—Winged ♀: Normal, Illinois, on strawberry, June 19, 1883 (S. A. Forbes). Acc. No. 3397. Slide No. 3157.

Paratype.—Nymphs: Normal, Illinois, on strawberry, June 21, 1883 (S. A. Forbes). Acc. No. 3399. Slide No. 3158.

Mounted in balsam on two slides. In poor condition. Now placed in the genus *Macrosiphum* Passerini.

Tychea brevicornis Hart

Eighteenth Rep. State Ent. Ill., March 4, 1895, p. 97. (Reprint, 1920, p. 86).
Cotypes.—Wingless viviparous ♀: Normal, Illinois, on corn roots, July 28, 1884 (S. A. Forbes); Champaign, Illinois, in ants' nest in pasture, October 25, 1886 (C. M. Weed). Acc. Nos. 4583 and 10947. Slide No. 3171.

One balsam slide mount and several specimens in alcohol in two vials. Now placed in the genus *Pemphigus* Hartig. In very poor condition.

Tychea erigeronensis Thomas

Eighth Rep. State Ent. Ill., 1879, p. 168.
Cotypes?—Immature: Champaign, Illinois, on "roots of Endive and *Erigeron canadense*" (T. J. Burrill). Slide No. 2769.
In poor condition. Mounted in balsam. Now placed in the genus *Trama* Heyden. Stated by Davis (1913) as "probably types".

Family ALEYRODIDAE

Aleurodes aceris Forbes

Fourteenth Rep. State Ent. Ill., September 2, 1885, p. 110.

Cotypes.—♀: Tamaroa, Illinois, April 10, 1884 (S. A. Forbes). Acc. No. 1368.

Remains of three cotypic adults in very poor condition preserved in alcohol. Because of the condition of these specimens no lectotype has been selected. Now known as *Aleurochiton forbesii* (Ashmead). The specific name of *forbesii* was proposed for this species by Ashmead because *aceris* was preoccupied.

Family COCCIDAE

Aspidiotus aesculi Johnson

Bull. Ill. State Lab. Nat. Hist., Vol. IV, Art. XIII, October 1896, p. 386.

Cotypes.—♂ and ♀: Stanford University, California, on *Aesculus californica*, 1892 (W. G. Johnson). Acc. No. 29423.

Cotypic material on sections of small branches sealed in five glass tubes. Placed by MacGillivray in the genus *Diaspidiotus* Leonardi.

Aspidiotus comstocki Johnson

Bull. Ill. State Lab. Nat. Hist., Vol. IV, Art. XIII, October, 1896, p. 383.

Lectotypic slide.—Adult ♀: Mt. Carmel, Illinois, on leaves of *Acer saccharinum* Wang, August 2, 1895 (Dr. J. Schneck). Acc. No. 21412. Slide No. 2201.

Paratypic slides.—Immature forms and adult ♀: Mt. Carmel, Illinois, on leaves of *Acer saccharinum* Wang, April-August, 1895 (Dr. J. Schneck). Acc. Nos. 21244, 21366, 21412 and 21413. Slides 2200, 2202-2204 and 2199.

Also numerous paratypic scales on leaves in six sealed test tubes. In fair condition. MacGillivray has placed this species in the genus *Aspidiella* Leonardi.

Aspidiotus forbesi Johnson

Bull. Ill. State Lab. Nat. Hist., Vol. IV, Art. XIII, October, 1896, p. 380.

Lectotypic slide.—Adnl. ♀: Champaign, Illinois, on cherry trees, September 25, 1895 (W. G. Johnson). Acc. No. 21547. Slide 2163.

Lectoallotypic slide.—Adult ♂: Champaign, Illinois, on cherry trees, July 25, 1895 (W. G. Johnson). Acc. No. 21291. Slide No. 2161.

Paratypic slides.—Immature forms and adult ♀: Champaign, Illinois, on cherry trees, December, 1894, to April, 1896 (W. G. Johnson). Acc. Nos. 21056, 21342, 21360, 21472, 21547 and 29434. Slide Nos. 2160, 2162, 2164, 2173 and 2174.

Also numerous paratypic scales on sections of branches of cherry in ten sealed test tubes. In fair condition. MacGillivray (1921) has placed this species in the genus *Aspidiella* Leonardi.

Aspidiotus hartii Cockerell

Psyche, Supplement, Vol. VII, September, 1895, p. 7.

Cotypes.—♂ and ♀: Trinidad, British West Indies, Royal Botanical Garden (Hart). Acc. No. 20323.

Cotypic material on small pieces of yams sealed in five glass tubes. Placed by MacGillivray in the genus *Aspidiella* Leonardi.

Aspidiotus piceum Sanders

Ohio Naturalist, Vol. IV, No. 4, February, 1904, p. 96.

Cotypes.—♂ and ♀: Painesville, Lake County, Ohio, on *Liriodendron tulipifera*, July 7, 1903 (J. G. Sanders).

Numerous cotypic scales on pieces of bark sealed in four glass tubes. MacGillivray (1921) has placed this species in his genus *Diaspidiotus*.

Aspidiotus ulmi Johnson

Bull. Ill. State Lab. Nat. Hist., Vol. IV, Art. XIII, October, 1896, p. 388.

Lectotypic slide.—♀: Urbana, Illinois, on *Ulmus americana* Linn., September 25, 1895 (W. G. Johnson). Acc. No. 21546. Slide No. 2176.

Paratypic slide.—♀: Urbana, Illinois, on *Ulmus americana* Linn., June 6, 1895 (W. G. Johnson). Acc. No. 21359. Slide No. 2175.

Numerous paratypic scales on pieces of bark of white elm sealed in four glass tubes. Acc. No. 21261. In fair condition. MacGillivray (1921) has placed this species in his genus *Hendaspidiotus*.

Chionaspis americana Johnson

Bull. Ill. State Lab. Nat. Hist., Vol. IV, Art. XIII, October, 1896, p. 390.

Lectotypic slide.—Adult ♀: Champaign-Urbana, Illinois, April-September, 1895, on *Ulmus americana* Linn. (W. G. Johnson). Acc. No. 21536. Slide No. 2180.

Lectoallotypic slide.—Winged ♂: Champaign-Urbana, Illinois, April-September, 1895, on *Ulmus americana* Linn. (W. G. Johnson). Acc. No. 21481. Slide No. 2195.

Paratypic slides.—Adults and immature forms: Champaign-Urbana, Illinois, April-September, 1895, on *Ulmus americana* Linn. (W. G. Johnson). Acc. Nos. 21258, 21271, 21481, 21502, 21522, 21528 and 21536. Slide Nos. 2177-2179, 2180-2194 and 2196-2198.

Also numerous paratypic scales on leaves and sections of branches of elm in thirteen sealed glass tubes. In fair condition. MacGillivray (1921) has placed this species in his genus *Fundaspis*.

Chionaspis gleditsiae Sanders

Ohio Naturalist, Vol. III, No. 6, April, 1903, p. 413.

Cotypes.—♂ and ♀: Columbus, Ohio, on *Gleditsia triacanthos*, March 11, 1903 (J. G. Sanders).

Numerous cotypic scales on pieces of bark sealed in five glass tubes.

Coccus sorghophilus Forbes

Fourteenth Rep. State Ent. Ill., September 2, 1885, p. 71.

Cotypes.—Wingless ♀: Champaign, Illinois, from sorghum roots, August 4, 1884 (S. A. Forbes). Acc. No. 4667. Slide Nos. 3124 and 3125.

Two slides with cotypes mounted in balsam and one vial with several cotypes in alcohol. Because of poor condition of specimens no lectotype has been selected. Now placed in genus *Pseudococcus* Westwood.

Coccus trifolii Forbes

Fourteenth Rep. State Ent. Ill., September 2, 1885, p. 72.

Cotypes.—Wingless ♀: Normal, Illinois, on roots of white clover, May 3, 1884 (S. A. Forbes). Acc. No. 1533. Slide No. 3150.

In poor condition in vial in alcohol and one cotype mounted in balsam on slide in 1917. Because of condition of specimens no lectotype has been selected. Now placed in genus *Trionymus* Berg.

ORDER COLEOPTERA

Family CLERIDAE

Enoclerus liljebladi Wolcott

Trans. Amer. Ent. Soc., Vol. XLVIII, July 25, 1922, p. 73.

Paratype.—♂: Pentwater, Michigan, dead pine trees, July 14, 1920 (E. Liljeblad).

Family MORDELLIDAE

Mordella albosuturalis Liljeblad

Can. Ent., Vol. LIV, No. 3, March, 1922, p. 54.

Paratypes.—♂ and ♀: Callistoga, near Mt. St. Helena, California, July 14, 1918 (C. L. Hubbbs).

Mordella hubbsi Liljeblad

Can. Ent., Vol. LIV, No. 3, March, 1922, p. 55.

Paratype.—♂: Switzer's Trail, St. Gabriel Mt., California, June 10, 1910 (F. Grinnell, Jr.).

Mordellistena pulchra Liljeblad

Can. Ent., Vol. XLIX, No. 1, January, 1917, p. 12, ♀.

Can. Ent., Vol. LIII, No. 8, August, 1921, p. 185, ♂.

Paratype.—♂: Edgebrook, Illinois, on flowers of *Helianthus*, September 6, 1917 (E. Liljeblad).

Family SCARABAEIDAE

Anomala kansana Hayes and McColloch

Ent. News, Vol. XXXV, No. 4, April, 1924, p. 139.

Paratype.—♂: Manhattan, Kansas.

Phyllophaga fraterna* var. *mississippiensis Davis

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. XII, August, 1920, p. 330.

Type.—♂: Agricultural College, Mississippi, April 17, 1917 (R. H. Bush).

Allotype.—♀: Agricultural College, Mississippi, on pecan, April 24, 1915.

Paratypes.—♂ and ♀: Agricultural College, Mississippi, April 2-3, 1918 (C. M. Griffitt), April 14, 1917.

Phyllophaga hirticula* var. *comosa Davis

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. XII, August, 1920, p. 337.

Type.—♂: Manhattan, Kansas, at electric light, June 16-21, 1917 (J. W. McColloch).

Allotype.—♀: Manhattan, Kansas, at electric light, June 16-21, 1917 (J. W. McColloch).

Paratypes.—♂ and ♀: Manhattan, Kansas, at electric light, June 16-21, 1917 (J. W. McColloch).

Phyllophaga impar Davis

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. XII, August, 1920, p. 335.

Type.—♂: Southeru Pines, North Carolina, April, 1910 (A. H. Manee).

Phyllophaga parvidens* var. *hysteropyga Davis

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. XII, August, 1920, p. 336.

Type.—♂: Victoria, Texas, at light, April 6-June 26 (J. D. Mitchell).

Phyllophaga pearlae Davis

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. XII, August, 1920, p. 332.

Type.—♂: Clarksville, Tennessee, May 15, 1918 (H. Fox).

Allotype.—♀: Clarksville, Tennessee, April 29, 1918 (H. Fox and M. Kizliuk).

Paratypes.—♂ and ♀: Clarksville, Tennessee, May 24, 1917 (H. Fox and Wyatt); Louisville, Kentucky, on honey locust, May 21, 1913 (J. J. Davis).

Phyllophaga perlonga Davis

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. XII, August, 1920, p. 329.
Type.—♂: Agricultural College, Mississippi, at electric light, March 31, 1916 (C. C. Greer).

Allotype.—♀: Agricultural College, Mississippi, March 31, 1916 (H. M. K.).
Paratypes.—♂ and ♀: Agricultural College, Mississippi, at electric light, March 31, 1916 (C. C. Greer and H. M. K.).

Phyllophaga soror Davis

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. XII, August, 1920, p. 333.
Type.—♂: Raleigh, North Carolina, July 13-25, 1916 (R. W. Leiby).

Allotype.—♀: Raleigh, North Carolina, July 13-25, 1916 (R. W. Leiby).

Paratype.—♀: Raleigh, North Carolina, July 13-25, 1916 (R. W. Leiby).

Phyllophaga foxii Davis

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. XII, August, 1920, p. 334.

Type.—♂: Tappahannock, Virginia, from locust, April 26, 1915 (H. Fox).
Allotype.—♀: Tappahannock, Virginia, from locust, April 26, 1915 (H. Fox).

Paratype.—♀: Tappahannock, Virginia, from locust, April 26, 1915 (H. Fox).

Sericia mystaca Dawson

Journ. N. Y. Ent. Soc., Vol. XXX, No. 3, September, 1922, p. 160.

Paratypes.—♂ and ♀: Carbondale, Illinois, on oak at night, May 26, 1910; Northern Illinois; Illinois.

Family CERAMBYCIDAE

Oberea ulmicola Chittenden

Bull. Ill. State Lab. Nat. Hist., Vol. VII, Art. I, February 20, 1904, p. 4.
Paratypes.—♂ and ♀: Decatur, Illinois, breeding in elms, May 26, 1902, and July 1, 1903 (E. S. G. Titus and F. M. Webster).
Eggs, larvae, pupae and some of the adults of type series are 'in alcohol'.

Family CHRYSOMELIDAE

Donacia curticollis Knab

Proc. Ent. Soc. Wash., Vol. VII, Nos. 2 and 3, October, 1905, p. 122.
Lectotype.—♀: Fourth Lake, Lake County, Illinois, on bulrushes, August 2, 1887 (H. Garman and C. A. Hart). Acc. No. 14046.

Paratype.—♀: Fourth Lake, Lake County, Illinois, on bulrushes, August 2, 1887 (H. Garman and C. A. Hart); Fourth Lake, Lake County, Illinois, on bulrushes, August 5, 1887 (H. Garman); Normal, Illinois, September, 1880. Acc. Nos. 265, 14046 and 14057.

Family CURCULIONIDAE

Sphenophorus minimus Hart

Sixteenth Rep. State Ent. Ill., April 28, 1890, p. 65.

Lectotype.—♀: Urbana, Illinois, from driftwood, July 30, 1888 (C. A. Hart and J. Marten). Acc. No. 14585.

Lectoallotype.—♂: Urbana, Illinois, from driftwood, July 30, 1888 (C. A. Hart and J. Marten). Acc. No. 14585.

Paratype.—♂: Urbana, Illinois, from driftwood, July 30, 1888 (C. A. Hart and J. Marten). Acc. No. 14585.

ORDER LEPIDOPTERA

Family PHALONIIDAE

Hysterosia merrickana Kearfott

Can. Ent., Vol. XXXIX, No. 2, February, 1907, p. 59.

Cotypes.—♀: Algonquin, Illinois, August 4-5, 1904 (W. A. Nason).

This species has been sunk as a synonym of *Hysterosia terminana* Busck.

Though labeled by Kearfott as cotypes these specimens presumably have the status of paratypes.

Family PYRALIDIDAE

Pyrausta caffreii Flint and Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. X, June, 1920, p. 304.

Type.—♂: Bloomington, Illinois, September 30, 1919 (J. R. Malloch).

Allotype.—♀: No data.

In very poor condition. Genitalia of types in alcohol. According to Heinrich (1921) the male is synonymous with *Lorosteges similalis* Guenée and according to Barnes and Benjamin (1925) the female with *Lorosteges oblitteralis* Walker (authors, Walker query) (= *marculenta* G. and R.).

Family GEOMETRIDAE

Aspilates behrensaria Hulst

Ent. Amer., Vol. II, No. 11, February, 1887, p. 210.

Cotype.—♀: Soda Springs, Siskiyou, California, July 21 (J. Behrens).

In poor condition. This is now considered as synonymous with *Drepanulatrix unicarcararia* Guenée.***Biston ypsilon*** Forbes

Fourteenth Rep. State Ent. Ill., September 2, 1885, p. 95.

Type.—♂: Warsaw, Illinois, April 8, 1884 (S. A. Forbes). Acc. No. 4172. Reared by Professor S. A. Forbes from a larva found feeding on apple June 26, 1883.

Coenocalpe polygrammata Hulst

Trans. Amer. Ent. Soc., Vol. XXIII, 1896, p. 288.

Cotype (?).—♀: Montana.

In fair condition. This locality is not given in original description, but specimen bears a "Type" label in the handwriting of Hulst. Now placed in genus *Perizoma* Hübner.***Diastictis floridensis*** Hulst

Can. Ent., Vol. XXX, No. 6, June, 1898, p. 164.

Cotype (?).—♂: Enterprise, Florida, April, 1897.

In fair condition. This specimen is labeled "Type" in the handwriting of Hulst, but this locality is not given in original description and Hulst distinctly states that he did not have the male and his generic assignment therefore doubtful. This is now considered as synonymous with *Mellilla inextricata* Walker.

Family NOCTUIDAE

Helionanche indiana Smith

Ent. News, Vol. XIX, No. 9, November, 1908, p. 423.

Cotype.—♀: Hessville, Indiana, May 30, 1908 (E. Beer).

Pallachira hartii French

Bull. Ill. State Lab. Nat. Hist., Vol. IV, Art. II, March, 1894, p. 9.

Lectotype.—♂: Urbana, Illinois, at light, August 20, 1886 (C. A. Hart).

Acc. No. 18739.

Lectoallotype.—♀: Champaign, Illinois, at light, July 27, 1886 (C. A. Hart). Acc. No. 18739.

Paratypes.—♀: Urbana, Illinois, at light, August 17, 1892 (C. A. Hart). Acc. Nos. 10712 and 10773.

In poor condition. Now placed in genus *Hormisa* Walker. *Hartii* has been synonymized as *pupillaris* Grote, which appears to be a northern form of *orciferalis* Walker.

Papaipema beeriana Bird

Can. Ent., Vol. LV, No. 5, May, 1923, p. 106.

Paratypes.—♂: Chicago, Illinois, reared from larva in *Lacinaria*, September 21, 1922 (A. K. Wyatt); Riverside, Illinois, reared from larva in *Lacinaria*, September 7, 1922 (E. Beer).

Pseudaglossa forbesi French

Bull. Ill. State Lab. Nat. Hist., Vol. IV, Art. II, March, 1894, p. 8.

Lectotype.—♀: Savanna, Illinois, July 21, 1892 (McElfresh). Acc. No. 18510.

Paratype.—♀: Savanna, Illinois, July 21, 1892 (McElfresh). Acc. No. 18510.

Now placed in the genus *Campylochila* Stephens. In fair condition.

Rhizagrotis polingi Barnes and Benjamin

Contrib. Nat. Hist. Lepidoptera, Vol. 5, June 24, 1922, p. 41.

Paratypes.—♂ and ♀: Dixieland, Imperial County, California, March 1-15, 1922 (O. C. Poling).

ORDER DIPTERA

Family TIPULIDAE

Dicranota iowa Alexander

Can. Ent., Vol. LII, No. 4, April, 1920, p. 78.

Holotype.—♀: Sioux City, Iowa, April 17, 1916 (A. W. Lindsey).

Elliptera illini Alexander

Pomona Coll. Journ. Ent. and Zool., Vol. XII, No. 4, December, 1920, p. 86.

Holotype.—♂: Makanda, Illinois, June 4, 1919 (C. P. Alexander).

In fair condition.

Limnophila imbecilla illinoiensis Alexander

Can. Ent., Vol. LII, No. 8, October, 1920, p. 226.

Holotype.—♂: Homer Park, Illinois, June 13, 1920 (T. H. Frison).

Nephrotoma sphagnicola Alexander

Can. Ent., Vol. LII, No. 5, May, 1920, p. 110.

Holotype.—♀: Antioch, Lake County, Illinois, in tamarack-sphagnum bog, June 5, 1919 (T. H. Frison).

Ormosia frisoni Alexander

Can. Ent., Vol. LII, No. 8, October, 1920, p. 224.

Holotype.—♂: Muncie, Illinois, margin of prairie cat-tail swamp, May 15, 1920 (C. P. Alexander).

Paratypes.—♂ and ♀: Muncie, Illinois, margin of prairie cat-tail swamp, May 15, 1920 (C. P. Alexander and T. H. Frison).

Tipula flavibasis Alexander

Can. Ent., Vol. L, No. 12, December, 1918, p. 414.

Paratotype.—♂: Lawrence, Douglas County, Kansas, June 28, 1918 (C. P. Alexander).

Tipula mallochi Alexander

Pomona Coll. Journ. Ent. and Zool., Vol. XII, No. 4, 1920, p. 90.

Holotype.—♂: Alto Pass, Illinois, June 5, 1919 (C. P. Alexander).

Allototypes.—♀: Alto Pass, Illinois, June 5, 1919 (C. P. Alexander).

Paratypes.—♂ and ♀: Dubois, Illinois, June 3, 1919 (C. P. Alexander).

Family CHIRONOMIDAE

Bezzia albidorsata Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 349.
Type.—♀: Algonquin, Illinois, July 12, 1895 (W. A. Nason).

Bezzia apicata Malloch

Journ. N. Y. Ent. Soc., Vol. XXII, No. 4, December, 1914, p. 284.
Type.—♂: Muncie, Illinois, along Stony Creek, May 24, 1914 (J. R. Malloch).

Bezzia cockerelli Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 346.
Type.—♀: Modern, Colorado, May 28 (T. D. A. Cockeell).

Bezzia dentata Malloch

Journ. N. Y. Ent. Soc., Vol. XXII, No. 4, December, 1914, p. 284.
Lectotype.—♀: Monticello, Illinois, along Sangamon River, June 21, 1914 (J. R. Malloch).
Lectoallotype.—♂: Monticello, Illinois, along Sangamon River, June 28, 1914 (J. R. Malloch).
Paratypes.—♀: Monticello, Illinois, along Sangamon River, June 28, 1914 (J. R. Malloch).

Bezzia flavitarsis Malloch

Journ. N. Y. Ent. Soc., Vol. XXII, No. 4, December, 1914, p. 283.
Type.—♀: Monticello, Illinois, bank of Sangamon River, June 21, 1914 (J. R. Malloch).
Allotype.—♂: Little Bear Lake, Grand Junction, Michigan, July 15, 1914 (C. A. Hart).

Camptocladius flavens Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 511.
Lectotype.—♂: Havana, Illinois, Chautauqua Park, along Illinois River, April 29, 1914 (C. A. Hart and J. R. Malloch).
Lectoallotype.—♀: Havana, Illinois, Chautauqua Park, along Illinois River, April 29, 1914 (C. A. Hart and J. R. Malloch).
Paratypes.—♂ and ♀: Havana, Illinois, Chautauqua Park, along Illinois River, April 29, 1914 (C. A. Hart and J. R. Malloch); St. Joseph, Illinois, along Salt Fork, May 17, 1914 (C. A. Hart and J. R. Malloch); South Haven, Michigan, shore of Lake Michigan, July 14, 1914 (C. A. Hart). Slide Nos. 3014 and 3015.

In good to poor condition. Genitalia of one male paratype and one entire female paratype mounted in balsam on slides.

Camptocladius flavibasis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 511.
Type.—♀: Urbana, Illinois, on window, August 23, 1914 (C. A. Hart and J. R. Malloch).

Camptocladius lasiophthalmus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 509.
Lectotype.—♀: Dubois, Illinois, along creek valley, April 24, 1914 (C. A. Hart and J. R. Malloch).
Paratype.—♀: Dubois, Illinois, along creek valley, April 24, 1914 (C. A. Hart and J. R. Malloch). Slide No. 3023.
Abdomen of paratype mounted in balsam on a slide.

Camptocladius subaterrimus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 512.
Type.—♂: Grand Tower, Illinois, along Mississippi River, April 21, 1914 (C. A. Hart and J. R. Malloch). Slide No. 3022.
Abdomen and genitalia mounted in balsam on a slide.

Camptocladius lasiops Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 505.

Lectotype.—♂: Urbana, Illinois, about garbage near house, November 29, 1913 (C. A. Hart and J. R. Malloch). Slide No. 3017.

Lectoallotype.—♀: Urbana, Illinois, about garbage near house, November 29, 1913 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: Urbana, Illinois, about garbage near house, November 29, 1913 (C. A. Hart and J. R. Malloch); March 29, 1914, October 5-6, 18, 1914 (C. A. Hart and J. R. Malloch); March 29, 1914, October 5-6, 18, 1914, at light (C. A. Hart and J. R. Malloch). Slide Nos. 3018-3020.

Abdomen and genitalia of lectotype, one male paratype, one female paratype and heads of two paratypes (male and female) mounted in balsam on slides.

Chironomus abbreviatus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 451.

Lectotype.—♂: Havana, Illinois, September 10, 1910. Slide No. 2522.

Paratype.—♂: Havana, Illinois, August 18, 1896 (C. A. Hart). Acc. No. 24046. Slide No. 2523.

Genitalia of both type specimens mounted in balsam on slides.

Chironomus abortivus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 465.

Lectotype.—♂: Urbana, Illinois, at light, September 5, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2553.

Lectoallotype.—♀: Urbana, Illinois, at light, September 5, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: Urbana, Illinois, at light, September 5, 1914 (C. A. Hart and J. R. Malloch); Havana, Illinois, along Illinois River, April 27-28, 1914 (C. A. Hart and J. R. Malloch); South Haven, Michigan, at light, July 15, 1914 (C. A. Hart). Slide No. 2571.

Genitalia of lectotype and one male paratype mounted in balsam on slides.

Chironomus alboviridis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 482.

Type.—♀: Urbana, Illinois, at light, June 6, 1914 (C. A. Hart and J. R. Malloch).

Type specimen bears date label of June 6, instead of July 6 as given in original description.

Chironomus basalis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 441.

Lectotype.—♂: Dubois, Illinois, on vegetation along bank of creek valley, April 24, 1914 (C. A. Hart and J. R. Malloch).

Lectoallotype.—♀: Dubois, Illinois, on vegetation along bank of creek valley, April 24, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: Dubois, Illinois, on vegetation along bank of creek valley, April 24, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2555.

Genitalia of one male paratype mounted in balsam on a slide.

Chironomus claripennis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 439.

Lectotype.—♂: South Haven, Michigan, along shore of Lake Michigan, at light, July 14, 1924 (C. A. Hart). Slide No. 2580.

Lectoallotype.—♀: South Haven, Michigan, along shore of Lake Michigan, at light, July 14, 1914 (C. A. Hart).

Paratypes.—♂ and ♀: South Haven, Michigan, along shore of Lake Michigan, at light, July 14-15, 1914 (C. A. Hart); Grand Tower, Illinois, on bank of Mississippi River, April 21, 1914 (C. A. Hart).

Genitalia of lectotype male mounted in balsam on a slide.

Chironomus colei Malloch

Proc. Calif. Acad. Sc. (Fourth Series), Vol. IX, August 26, 1919, p. 255.

Paratype.—♂: Forest Grove, Oregon, at light, June 3, 1918 (F. R. Cole).

Chironomus crassicaudatus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 453.
Type.—♂: Peoria, Illinois, at light, October 22, 1914 (C. A. Hart). Slide No. 2980.

Paratype.—♂: Lake Lomalta, Texas, November 27, 1910 (C. A. Hart); Katherine, Texas, sweeping, December 3, 1911 (C. A. Hart). Slide Nos. 2516 and 2517.

Genitalia of all types mounted in balsam on slides.

Chironomus curtilamellatus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 474.
Type.—♂: South Haven, Michigan, at light, July 15, 1914 (C. A. Hart). Slide No. 2981.

Genitalia mounted in balsam on a slide.

Chironomus digitatus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 483.
Lectotype.—♀: Thompson's Lake, Havana, Illinois, reared from larva, May 14, 1914 (C. A. Hart and J. R. Malloch). Acc. No. 45797.

Paratypes.—♀: Havana, Illinois, flying over surface of Illinois River, May 4, 1895 (C. A. Hart). Acc. No. 13289.

Pupal exuvia, from which lectotype was reared and from which pupal description was made, is mounted in balsam on slide No. 2567. In fair condition.

Chironomus dimorphus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 464.
Lectotype.—♂: Carbondale, Illinois, creek valley, April 23, 1914 (C. A. Hart and J. R. Malloch).

Lectoallotype.—♀: Carbondale, Illinois, creek valley, April 23, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: Carbondale, Illinois, creek valley, April 23, 1914 (C. A. Hart and J. R. Malloch); Dubois, Illinois, creek valley, April 24, 1914 (C. A. Hart and J. R. Malloch); Muncie, Illinois, along Stony Creek, May 24, 1914 (C. A. Hart and J. R. Malloch); Monticello, Illinois, along Sangamon River, June 30, 1914 (C. A. Hart and J. R. Malloch).

Genitalia of two male paratypes mounted in balsam on slides.

Chironomus dorneri Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 471.

Type.—♂: Brownsville, Texas, "3-11" (G. Dorner).

Abdomen, except basal segments, missing as stated in original description.

Chironomus fallax Johannsen

N. Y. State Museum, Bull. 86, June, 1905, p. 210. ♀

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 435. ♂ and ♀.

Allotypes.—♂: Monticello, Illinois, along Sangamon River, June 28, 1914 (C. A. Hart and J. R. Malloch); Momence, Illinois, at light, July 17, 1914 (C. A. Hart and J. R. Malloch); Centerville [White Heath], Illinois, along Sangamon River, August 16, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2536.

Genitalia of one male mounted in balsam on a slide. Momence specimens collected July 17 and not July 14 as stated in original description of male. Description of male by J. R. Malloch.

Chironomus fasciventris Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 438.

Lectotype.—♂: Dubois, Illinois, at light, April 24, 1914 (C. A. Hart and J. R. Malloch).

Lectoallotype.—♀: Dubois, Illinois, at light, April 24, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: Dubois, Illinois, at light and on vegetation along creek valley, April 24, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2976.

Genitalia of one male paratype mounted in balsam on a slide.

Chironomus fulvus Johannsen.

N. Y. State Museum, Bull. 86, June, 1905, p. 224. ♀

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 478. ♂ and ♀

Allotypes.—♂: St. Joseph, Illinois, along Salt Fork, May 3, 1914 (C. A. Hart and J. R. Malloch); Muncie, Illinois, along Stony Creek, May 24, 1914 (C. A. Hart and J. R. Malloch); South Haven, Michigan, lake shore, July 14, 1914 (C. A. Hart); Cedar Lake, Indiana, July 17, 1914 (C. A. Hart); Havana, Illinois, in slough and at lights, September 20-21, 1895 (A. Hempel); Havana, Illinois, along Illinois River, May 1, 1896, and September 18, 1895 (C. A. Hart). Acc. Nos. 13705, 13709, 13711 and 13818. Slide Nos. 2570 and 2599.

Description of male is by J. R. Malloch. Genitalia of two males mounted in balsam on slides.

Chironomus fuscicornis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 466.

Type.—♂: Havana, Illinois, on house-boat, June 15, 1914 (J. R. Malloch). Slide No. 2547.

Allotype.—♀: Havana, Illinois, on house-boat, June 15, 1914 (J. R. Malloch).

Paratypes.—♂ and ♀: Berrien Springs, Michigan, St. Joseph River, July 16, 1914 (C. A. Hart); Plummers Island, Maryland, July 6, 14, August 17, 1912 (W. L. McAtee). Slide No. 2548.

Genitalia of type and one male paratype mounted in balsam on slides.

Chironomus fusciventris Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 465.

Type.—♂: Delavan Lake, Wisconsin, September 7, 1892 (C. A. Hart). Acc. No. 18810. Slide No. 2584.

Genitalia mounted in balsam on a slide. In the original description September 9 is given, whereas date of unique type is September 7.

Chironomus griseopunctatus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 428.

Type.—♀: Momence, Illinois, at light, July 17, 1914 (C. A. Hart). In fair condition.

Chironomus griseus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 468.

Lectotype.—♂: South Haven, Michigan, along lake shore, July 14, 1914 (C. A. Hart). Slide No. 2579.

Paratype.—♂: South Haven, Michigan, along lake shore, July 15, 1914 (C. A. Hart).

Abdomen and genitalia of type mounted in balsam on a slide.

Chironomus harti Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 457.

Type.—♀: Urbana, Illinois, at light, September 5, 1914 (C. A. Hart and J. R. Malloch).

Chironomus illinoensis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 471.

Lectotype.—♂: Carbondale, Illinois, creek valley, April 23, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2545.

Lectoallotype.—♀: Carbondale, Illinois, creek valley, April 23, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: Carbondale, Illinois, creek valley, April 23, 1914 (C. A. Hart and J. R. Malloch); Golconda, Illinois, in depot, April 19, 1914.

In good condition, except abdomen of one male paratype is missing. Genitalia of lectotype mounted in balsam on a slide.

Chironomus illinoensis var. **decoloratus** Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 472.

Lectotype.—♂: Havana, Illinois, Spoon River, September 18, 1895 (C. A. Hart). Acc. No. 13705.

Paratype.—♂: Havana, Illinois, Spoon River, September 18, 1895 (C. A. Hart). Acc. No. 13705. Slide No. 2546.

One slide mount of the genitalia (all that remains) of the paratypic male. In fair condition. Date of capture is erroneously given as September 19 in original description.

Chironomus incognitus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 480.

Type.—♂: Muncie, Illinois, along Stony Creek, May 24, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2581.

Genitalia of type mounted in balsam on a slide.

Chironomus indistinctus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 477.

Lectotype.—♂: St. Joseph, Illinois, along Salt Fork, May 3, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2593.

Paratypes.—♂: St. Joseph, Illinois, along Salt Fork, May 3, 1914 (C. A. Hart and J. R. Malloch); Havana, Illinois, Matanzas Lake, May 2, 1914. Slide Nos. 2563-2565.

In fair to poor condition. Abdomen and genitalia of lectotype and those of three paratypes mounted in balsam on slides.

Chironomus macateei Malloch

Proc. Biol. Soc. Wash., Vol. 28, March 12, 1915, p. 45.

Paratypes.—♂ and ♀: Plummers Island, Marlyand, August 10-17, 1912, and June 28, 1914 (W. L. McAtee). Slide No. 2595.

Genitalia (all that remains) of a paratype mounted in balsam on a slide.

Chironomus neomodestus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 475.

Lectotype.—♂: St. Joseph, Illinois, along Salt Fork, May 3, 1914 (J. R. Malloch). Slide No. 2592.

Paratypes.—♂: St. Joseph, Illinois, along Salt Fork, May 3, 1914 (J. R. Malloch). Slide No. 2591.

Genitalia of lectotype and of one male paratype mounted in balsam on a slide.

Chironomus nigrohalteralis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 440.

Lectotype.—♂: Havana, Illinois, along river, April 28, 1914 (C. A. Hart and J. R. Malloch).

Lectoallotype.—♀: Havana, Illinois, along river, April 28, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂: Havana, Illinois, along river, April 28, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2538.

Genitalia of one male paratype mounted in balsam on a slide.

Chironomus nigrovittatus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 456.

Lectotype.—♂: Berrien Springs, Michigan, St. Joseph River, July 16, 1914 (C. A. Hart). Slide No. 2574.

Lectoallotype.—♀: St. Joseph, Illinois, along Salt Fork, May 3, 1914 (J. R. Malloch).

Paratypes.—♂ and ♀: St. Joseph, Illinois, along Salt Fork, May 3, 1914 (J. R. Malloch); South Haven, Michigan, at light, July 15, 1914 (C. A. Hart). Slide No. 2594.

The lectotype has been selected from a male listed as a paratype by Malloch. This is because the description of the species is based mainly upon a male, and no males are to be found among the St. Joseph, Illinois, specimens. In contradiction with the original description the male selected as lectotype was labeled as the type by Malloch and also the slide with its genitalia.

***Chironomus nitidellus* Coquillett**

Proc. U. S. Nat. Mus., Vol. 23, No. 1225, March 27, 1901, p. 608. ♂
Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 468. ♂ and ♀.
Allotypes.—♀: Berrien Springs, Michigan, along St. Joseph River, July 16, 1914 (C. A. Hart).

Description of the female is by J. R. Malloch.

***Chironomus obscuratus* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 479.
Lectotype.—♂: Dubois, Illinois, in creek valley, April 24, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2552.
Lectoallotype.—♀: Dubois, Illinois, in creek valley, April 24, 1914 (C. A. Hart and J. R. Malloch).
Paratypes.—♂ and ♀: Dubois, Illinois, in creek valley, April 24, 1914 (C. A. Hart and J. R. Malloch); Lily, Illinois, along Mackinaw River, June 11, 1914 (C. A. Hart).
In fair condition. Genitalia of lectotypic male mounted in balsam on a slide.

***Chironomus parviflamellatus* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 479.
Lectotype.—♂: Grand Tower, Illinois, on bank of Big Muddy River, April 22, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2600.
Paratypes.—♂: Grand Tower, Illinois, on bank of Big Muddy River, April 22, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2982.
Abdomen and genitalia of lectotypic male and one paratypic male mounted in balsam on slides.

***Chironomus pseudoviridis* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 450.
Lectotype.—♂: Urbana, Illinois, at light, September 5, 1914 (C. A. Hart and J. R. Malloch).
Lectoallotype.—♀: Urbana, Illinois, at light, September 5, 1914 (C. A. Hart and J. R. Malloch).
Paratypes.—♂ and ♀: Urbana, Illinois, at light, September 5, 1914 (C. A. Hart and J. R. Malloch); South Haven, Michigan, lake shore, July 14, 1914 (C. A. Hart). Slide No. 2534.
Genitalia of one paratypic male mounted in balsam on a slide. Malloch in original description lists month of collection of Urbana, Illinois, specimens as August, whereas specimens were collected in September.

***Chironomus quadripunctatus* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 437.
Type.—♂: Lake Delavan, Wisconsin, September 7, 1892 (C. A. Hart).
Acc. No. 18810.
In fair condition.

***Chironomus serus* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 481.
Lectotype.—♂: Urbana, Illinois, at light, October 2, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2585.
Lectoallotype.—♀: Urbana, Illinois, on window, September 27, 1914 (C. A. Hart and J. R. Malloch).
Paratypes.—♂ and ♀: Urbana, Illinois, at light, October 2-3, 1914, on window, September 27, 1914 (C. A. Hart and J. R. Malloch); Urbana, Illinois, May 22, 1906; Havana, Illinois, at light, September 13, 1895 (C. A. Hart). Acc. No. 13572. Slide No. 2590.

Genitalia of lectotype and of one male paratype mounted in balsam on two slides.

***Chironomus subaequalis* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 440.

Lectotype.—♂: Muncie, Illinois, along Stony Creek, May 24, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2539.

Lectoallotype.—♀: Muncie, Illinois, along Stony Creek, May 24, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: Muncie, Illinois, along Stony Creek, May 24, 1914 (C. A. Hart and J. R. Malloch).

Genitalia of lectotype mounted in balsam on a slide.

***Chironomus tentans* var. *pallidivittatus* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 445.

Lectotype.—♂: Havana, Illinois, August 7, 1895 (E. B. Forbes). Acc. No. 13519.

Paratype.—♂: Havana, Illinois, August 8, 1896 (C. A. Hart and C. C. Adams). Acc. No. 24022. Slide No. 2583.

Genitalia of paratypic male mounted in balsam on a slide.

***Chironomus tenuicaudatus* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 475.

Lectotype.—♂: Havana, Illinois, along river, April 28, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂: Havana, Illinois, along river, April 27-28, 1914 (C. A. Hart and J. R. Malloch); St. Joseph, Illinois, along Salt Fork, May 3, 1914 (C. A. Hart and J. R. Malloch); Urbana, Illinois, fair grounds, May 20, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2569.

Genitalia of one male paratype mounted in balsam on a slide.

***Chironomus utahensis* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 438.

Paratype.—♂: Kaysville, Utah, April 7, 1912 (E. R. Kalmbach). Slide No. 2508.

In fair condition. Genitalia mounted in balsam on a slide.

***Chironomus varipennis* Coquillett**

Proc. U. S. Nat. Mus., Vol. 25, No. 1280, September 12, 1902, p. 94. ♂

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 427. ♂ and ♀.

Allotypes.—♀: Urbana, Illinois, in an aquarium, May 6, 1890 (C. A. Hart). Acc. No. 15661.

Description of the female is by J. R. Malloch.

***Ceratopogon fusinervis* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 308.

Lectotype.—♂: Grand Tower, Illinois, along river, April 21, 1914 (C. A. Hart and J. R. Malloch).

Lectoallotype.—♀: Grand Tower, Illinois, along river, April 21, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: St. Joseph, Illinois, along Salt Fork, May 3, 1914 (C. A. Hart and J. R. Malloch); Urbana, Illinois, fair grounds, May 20, 1914 (C. A. Hart and J. R. Malloch); Havana, Illinois, Matanzas Lake, May 2, 1914 (C. A. Hart and J. R. Malloch); Monticello, Illinois, along Sangamon River, June 28, 1914 (C. A. Hart and J. R. Malloch); Dubois, Illinois, April 24, 1914 (J. R. Malloch). Slide No. 2952.

One paratypic male mounted in balsam on a slide.

***Corynoneura similis* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 413.

Type.—♀: Havana, Illinois, along river, April 30, 1914 (J. R. Malloch).

Allotype.—♂: Havana, Illinois, along river, April 30, 1914 (J. R. Malloch). Slide No. 2876.

Paratype.—♀: Brownsville, Texas, South Texas Garden sweepings, November 18, 1911 (C. A. Hart).

Allotype mounted in balsam on a slide.

Cricotopus flavibasis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 502.

Lectotype.—♂: Urbana, Illinois, at light, October 6, 1914 (C. A. Hart and J. R. Malloch). Slide No. 3054.

Allotype.—♀: Urbana, Illinois, at light, October 9, 1914 (C. A. Hart and J. R. Malloch).

Paratype.—♂: Urbana, Illinois, at light, October 5, 1914 (C. A. Hart and J. R. Malloch).

Genitalia of lectotype mounted in balsam on a slide.

Cricotopus slossonae Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 506.

Type.—♀: Algonquin, Illinois, June 4, 1894 (W. A. Nason).

Paratype.—♀: Mt. Washington, New Hampshire (Mrs. A. T. Slosson).

In fair condition.

Culicoides crepuscularis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 303.

Type.—♂: Dubois, Illinois, April 24, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2923.

Lectoallotype.—♀: Urbana, Illinois, on window, May 18, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: South Haven, Michigan, at lights, July 15, 1914 (C. A. Hart and J. R. Malloch); St. Joseph, Illinois, along Salt Fork, May 3, 1914 (C. A. Hart and J. R. Malloch).

Type male mounted in balsam on a slide.

Culicoides haematopterus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 302.

Lectotype.—♂: Urbana, Illinois, at light, May 24, 1914 (J. R. Malloch).

Lectoallotype.—♀: Urbana, Illinois, biting hands, May 24, 1914 (J. R. Malloch).

Paratypes.—♂ and ♀: Urbana, Illinois, at light, May 24, 1914 (J. R. Malloch); Urbana, Illinois, on window, June 30, 1914 (J. R. Malloch); Muncie, Illinois, bank of Stony Creek, May 24, 1914 (J. R. Malloch). Slide No. 2924.

One paratypic male mounted in balsam.

Culicoides hieroglyphicus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 297.

Paratype.—♀: Ash Creek, Graham Mountain, Arizona, altitude 3200 feet, May 30, 1914 (E. G. Holt).

Culicoides multipunctatus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 296.

Lectotype.—♀: Urbana, Illinois, at light, October 2, 1914 (C. A. Hart and J. R. Malloch).

Paratype.—♀: Urbana, Illinois, at light, October 3, 1914 (C. A. Hart and J. R. Malloch).

Diamesa borealis Garrett

Seventy New Diptera (Privately published), Cranbrook, British Columbia, December 31, 1925, p. 6.

Paratypes.—♂ and ♀: Cranbrook, British Columbia, May 10 and October 9 (C. Garrett).

Euforcipomyia hirtipennis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. XI, Art. IV, December, 1915, p. 313.

Lectotype.—♀: Urbana, Illinois, on window, June 30, 1915 (J. R. Malloch).

Paratype.—♀: Urbana, Illinois, on window, June 30, 1915 (J. R. Malloch). The genotype of *Euforcipomyia* Malloch (original designation).

Euforcipomyia longitarsis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. XI, Art. IV, December, 1915, p. 314.

Type.—♀: Urbana, Illinois, on window, August 24, 1915 (J. R. Malloch).

Forcipomyia aurea Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 318.

Lectotype.—♀: Momence, Illinois, at light, July 17, 1914 (C. A. Hart).

Lectoallotype.—♂: Momence, Illinois, at light, July 17, 1914 (C. A. Hart).
Slide No. 2921.

Paratype.—♂: Centerville [White Heath], Illinois, along Sangamon River, August 17, 1914 (J. R. Malloch).

Lectoallotype mounted in balsam on a slide.

Forcipomyia elegantula Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. XI, Art. IV, December, 1915, p. 311.

Lectotype.—♀: Urbana, Illinois, on window, June 28, 1915 (J. R. Malloch).

Lectoallotype.—♂: Urbana, Illinois, on window, August 13, 1915 (J. R. Malloch).

Paratype.—♀: Urbana, Illinois, on window, August 5, 1915 (J. R. Malloch).

Forcipomyia pergandei var. *concolor* Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 319.

Lectotype.—♀: Grand Tower, Illinois, at light, April 22, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♀: Grand Tower Illinois, along river, April 21, 1914 (C. A. Hart and J. R. Malloch); Urbana, Illinois, on window, July 4, 7, 1914 (C. A. Hart and J. R. Malloch).

The dates of April 21 and July 4 should have been listed in original description.

Hartomyia antennalis (Coquillett)

Proc. U. S. Nat. Mus., Vol. 23, No. 1225, March 27, 1901, p. 606. ♀

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 343. ♂ and ♀.

Allotypes.—♂: Monticello, Illinois, along Sangamon River, June 30, 1914 (C. A. Hart and J. R. Malloch); Urbana, Illinois, fair ground, near Salt Fork, May 23, 1915 (C. A. Hart and J. R. Malloch).

The description of the male is by J. R. Malloch.

Hartomyia lutea Malloch

Bull. Brook. Ent. Soc., Vol. XIII, No. 1, February, 1918, p. 18.

Type.—♀: Elizabeth, Illinois, July 7, 1917 (J. R. Malloch).

Hartomyia pallidiventris Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 344.

Lectotype.—♀: Urbana, Illinois, fair grounds, near Salt Fork, May 20, 1914 (J. R. Malloch).

Paratype.—♀: Lafayette, Indiana, July 25, 1914 (J. M. Aldrich).

The paratype differs from type in having the dorsum of the abdomen darkened.

Hartomyia picta (Coquillett)

Journ. N. Y. Ent. Soc., Vol. XIII, No. 2, June, 1905, p. 60. ♀

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 341. ♂ and ♀.

Allotypes.—♂: Urbana, Illinois, fair grounds, near Salt Fork, May 20, July 4, 1914 (J. R. Malloch).

The description of the allotypes is by J. R. Malloch. The genotype of *Hartomyia* Malloch (original designation).

Heteromyia aldrichi Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 326.

Type.—♀: Moscow, Idaho (J. M. Aldrich).

Heteromyia hirta Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 330.

Lectotype.—♀: Muncie, Illinois, along Stony Creek, May 24, 1914 (J. R. Malloch).

Lectoallotype.—♂: Muncie, Illinois, along Stony Creek, May 24, 1914 (J. R. Malloch).

Paratype.—♀: Muncie, Illinois, along Stony Creek, July 5, 1914 (J. R. Malloch).

Heteromyia opacithorax Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 329.

Type.—♀: St. Joseph, Illinois, along bank of Salt Fork, May 17, 1914 (J. R. Malloch).

Paratype.—♀: Dubois, Illinois, creek valley, April 24, 1914 (J. R. Malloch).

Heteromyia tenuicornis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 328.

Type.—♀: Polk County, Wisconsin, July (Baker).

Johannseniella flavidula (Malloch)

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. IV, June, 1914, p. 230.

Lectotype.—♀: Havana, Illinois, Illinois River, reared from pupa, May 3, 1895 (C. A. Hart).

Lectoallotype.—♂: Havana, Illinois, Illinois River, reared from pupa, May 3, 1895 (C. A. Hart).

Paratypes.—♂ and ♀: Havana, Illinois, Illinois River, reared from pupae, May 2-25, 1895 (C. A. Hart); Algonquin, Illinois, May 11, 1894 (W. A. Nason). Slide Nos. 2940 and 2941.

One paratype mounted in balsam on two slides. Now placed in the genus *Johannsenomyia* Malloch.

Johannsenomyia aequalis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 336.

Type.—♂: Muncie, Illinois, along Stony Creek, July 5, 1914 (J. R. Malloch).

Paratype.—♂: Centererville [White Heath], Illinois, along Sangamon River, August 16, 1914 (J. R. Malloch).

Johannsenomyia albabis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. XI, Art. IV, December, 1915, p. 315.

Lecotype.—♀: White Heath, Illinois, along Sangamon River, May 8, 1915 (J. R. Malloch).

Lectoallotype.—♂: White Heath, Illinois, along Sangamon River, May 8, 1915 (J. R. Malloch).

Paratypes.—♂ and ♀: White Heath, Illinois, along Sangamon River, May 8, 9, 16, 30, 1915 (J. R. Malloch).

Johannsenomyia annulicornis Malloch

Ent. News, Vol. XXIX, No. 6, June, 1918, p. 230.

Type.—♀: Lake Villa, Illinois, lake shore, July 21, 1916 (C. A. Hart).

Johannsenomyia argentata (Loew)

Berl. Ent. Zeitschr., 1861, p. 310. ♀

Bull. Ill. State Lab. Nat. Hist., Vol. XI, Art. IV, December, 1915, p. 317.
♂ and ♀

Allotypes.—♂: White Heath, Illinois, May 30 and July 11, 1915 (C. A. Hart and J. R. Malloch).

The description of the male is by J. R. Malloch.

Johannsenomyia caudelli (Coquillett)

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 333.

Allotypes.—♂: Lafayette, Indiana, May 2, 1914 (J. M. Aldrich); Grand Tower, Illinois, Big Muddy River, May 5, 1914; St. Joseph, Illinois, Salt Fork, May 10, 1914; Carmi, Illinois, Little Wabash River, April 18, 1914. Acc. Nos. 45775 and 45781.

Allotypes described by J. R. Malloch for first time in key.

Johannsenomyia halteralis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 338.

Lectotype.—♂: Monticello, Illinois, along Sangamon River, June 21, 1914 (J. R. Malloch).

Lectoallotype.—♀: Monticello, Illinois, along Sangamon River, June 21, 1914 (J. R. Malloch).

Paratypes.—♂: Monticello, Illinois, along Sangamon River, June 30, 1914 (J. R. Malloch); Muncie, Illinois, along Stony Creek, July 5, 1914 (J. R. Malloch); Lilly, Illinois, along Mackinaw River, June 11, 1914 (C. A. Hart).

Johannsenomyia macroneura Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 337.

Type.—♀: Lawrence, Kansas.

Metroclemus annuliventris Malloch

Proc. Biol. Soc. Wash., Vol. XXVIII, March 12, 1915, p. 46.

Lectotype.—♂: Stanford University, California, March 18, 1906 (J. M. Aldrich). Slide No. 3093.

Paratype.—♂: Stanford University, California, March 18, 1906 (J. M. Aldrich).

Genitalia of lectotype mounted in balsam on a slide.

Metroclemus brachyneura Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 498.

Type.—♂: Muncie, Illinois, along Stony Creek, May 24, 1914 (C. A. Hart and J. R. Malloch). Slide No. 3094.

Allotype.—♀: Madison, Wisconsin, at light, August 26, 1913 (A. C. Burrill).

Paratypes.—♂ and ♀: Madison, Wisconsin, at light, August 26, 1913 (A. C. Burrill). Slide Nos. 3095.

Genitalia of type and one paratypic male mounted in balsam on two slides.

Orthocladius bifasciatus Malloch

Bull. Brook. Ent. Soc., Vol. XIII, No. 2, April, 1918, p. 42.

Lectotype.—♀: Stratford, Illinois, June 22, 1917 (J. R. Malloch).

Paratypes.—♀: Stratford, Illinois, June 22, 1917 (J. R. Malloch).

Orthocladius (Dactylocladus) albidoalteralis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 528.

Type.—♀: Monticello, Illinois, along Sangamon River, June 30, 1914 (C. A. Hart and J. R. Malloch).

Orthocladius (Dactylocladus) brevinervis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 526.

Type.—♂: Muncie, Illinois, along Stony Creek, May 24, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2989.

Paratypes.—♂: East Peoria, Illinois, along farm creek, April 10, 1912 (C. A. Hart); Havana, Illinois, mouth of Spoon River, at light, April 22, 1898 (C. A. Hart). Acc. No. 24353. Slide No. 2988.

Genitalia of type and one male paratype mounted in balsam on two slides.

Orthocladius (Dactylocladus) pleuralis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 527.

Type.—♂: St. Joseph, Illinois, along Salt Fork, May 17, 1914 (J. R. Malloch). Slide No. 2999.

Genitalia mounted in balsam on a slide.

Orthocladius (Orthocladius) flavoscutellatus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 523.

Type.—♂: Muncie, Illinois, along Stony Creek, May 24, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2991.

In poor condition. Genitalia mounted in balsam on a slide.

Orthocladius (Orthocladius) lacteipennis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 524.

Type.—♂: South Haven, Michigan, shore of Lake Michigan, July 14, 1914 (C. A. Hart). Slide No. 2992.

Genitalia mounted in balsam on a slide.

Orthocladius (Orthocladius) nigritus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 225.

Paratypes.—♂: Cabin John Run, Maryland, February 16, 1913 (W. D. Appel). Slide Nos. 2993 and 2994.

Portion of abdomen and genitalia of both specimens mounted in balsam on slides.

Orthocladius (Orthocladius) pilipes Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 522.

Lectotype.—♂: Urbana, Illinois, swarming about evergreens, March 21, 1889 (John Marten). Acc. No. 14781. Slide No. 2997.

Paratypes.—♂: Urbana, Illinois, swarming about evergreens, March 21, 1889 (John Marten). Acc. No. 14781. Slide Nos. 2996 and 2998.

In good to poor condition. Abdomen and genitalia of lectotype and of two paratypes mounted in balsam on three slides.

Orthocladius (Orthocladius) subparallelus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 522.

Lectotype.—♂: Grand Tower, Illinois, along Mississippi River, April 21, 1914 (C. A. Hart and J. R. Malloch). Slide No. 3000.

Paratypes.—♂: Grand Tower, Illinois, along Mississippi River, April 21, 1914 (C. A. Hart and J. R. Malloch).

Abdomen and genitalia of lectotype mounted in balsam on a slide.

Orthocladius (Trichocladius) distinctus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 518.

Lectotype.—♂: Havana, Illinois, Chautauqua Park, April 29, 1914 (C. A. Hart and J. R. Malloch).

Lectoallotype.—♀: Havana, Illinois, Chautauqua Park, April 29, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: Havana, Illinois, Chautauqua Park, April 29, 1914 (C. A. Hart and J. R. Malloch). Slide No. 3058.

Genitalia of one paratypic male mounted in balsam on a slide.

***Orthocladius (Trichocladius) distinctus* var. *basalis* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 519.

Lectotype.—♂: Havana, Illinois, along shore of Illinois River, April 28, 1914 (C. A. Hart and J. R. Malloch).

Lectoallotype.—♀: Havana, Illinois, along shore of Illinois River, April 28, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: Havana, Illinois, along shore of Illinois River, April 28-30, 1914 (C. A. Hart and J. R. Malloch); Grand Tower, Illinois, along Big Muddy River, April 22, 1914 (C. A. Hart and J. R. Malloch); Muncie, Illinois, along Stony Creek, May 24, 1914 (C. A. Hart and J. R. Malloch); Rock Island, Illinois, at light, October 21, 1914 (C. A. Hart and J. R. Malloch); Peoria, Illinois, at light, October 22, 1914 (C. A. Hart and J. R. Malloch); St. Joseph, Illinois, along Salt Fork, May 3 (not May 30 as stated in original description), 1914 (C. A. Hart and J. R. Malloch). Slides Nos. 3025-3027.

Genitalia of two male paratypes, and one male and two female adult paratypes, mounted in balsam on three slides.

***Orthocladius (Trichocladius) distinctus* var. *bicolor* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 519.

Lectotype.—♂: St. Joseph, Illinois, along Salt Fork, May 3, 1914 (J. R. Malloch).

Paratype.—♂: St. Joseph, Illinois, along Salt Fork, May 3, 1914 (J. R. Malloch).

***Orthocladius (Trichocladius) infuscatus* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 517.

Type.—♂: Peoria, Illinois, at light, October 22, 1914 (C. A. Hart). Slide No. 3059.

Genitalia mounted in balsam on a slide.

***Orthocladius (Trichocladius) nitidellus* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 515.

Type.—♂: St. Joseph, Illinois, along Salt Fork, May 17, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2990.

Abdomen and genitalia mounted in balsam on a slide.

***Orthocladius (Trichocladius) nitidus* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 515.

Type.—♂: Monticello, Illinois, along Sangamon River, June 28, 1914 (C. A. Hart and J. R. Malloch). Slide No. 3060.

Abdomen and genitalia mounted in balsam on a slide.

***Orthocladius (Trichocladius) striatus* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 517.

Type.—♂: Dubois, Illinois, creek valley, April 24, 1914 (C. A. Hart and J. R. Malloch). Slide No. 3061.

Abdomen and genitalia mounted in balsam on a slide.

***Orthocladius (Psectrocladius) vernalis* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 520.

Type.—♂: Dubois, Illinois, creek valley, April 24, 1914 (C. A. Hart and J. R. Malloch). Slide No. 3057.

Genitalia mounted in balsam on a slide.

***Palpomyia illinoensis* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. IV, June, 1914, p. 219.

Type.—♀: Algonquin, Illinois, May 25, 1894 (W. A. Nason).

Originally assigned specific name of *illinoensis*, but later emended by author to *illinoensis*.***Palpomyia nebulosa* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 322.

Type.—♀: Grand Junction, (Columbia) Michigan, Little Bear Lake, July 15, 1914 (C. A. Hart).

Paratype.—♀: Pelk County, Wisconsin, July (Baker).

***Parabezzia petiolata* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 359.

Lectotype.—♂: Muncie, Illinois, along Stony Creek, July 5, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂: Muncie, Illinois, along Stony Creek, July 5, 1914, and May 24, 1914 (C. A. Hart and J. R. Malloch).

The genotype of *Parabezzia* Malloch (original designation).***Probezzia fulvithorax* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 354.

Lectotype.—♀: Urbana, Illinois, at light on windows, July 7, 1914 (C. A. Hart and J. R. Malloch).

Lectoallotype.—♂: Urbana, Illinois, at light on windows, July 7, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♀: Urbana, Illinois, at light on windows, July 7, 1914 (C. A. Hart and J. R. Malloch); Grand Junction (Columbia), Michigan, Little Bear Lake, July 15, 1914 (C. A. Hart).

***Probezzia incerta* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 358.

Lectotype.—♀: Monticello, Illinois, along Sangamon River, June 20, 1914 (J. R. Malloch).

Paratype.—♀: Monticello, Illinois, along Sangamon River, June 21, 1914 (J. R. Malloch).

***Probezzia infuscata* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. XI, Art. IV, December, 1915, p. 316.
 Lectotype.—♀: White Heath, Illinois, along bank of Sangamon River, May 16, 1915 (J. R. Malloch).
 Lectoallotype.—♂: White Heath, Illinois, along bank of Sangamon River, May 16, 1915 (J. R. Malloch).
 Paratypes.—♂ and ♀: White Heath, Illinois, along bank of Sangamon River, May 9, 16 and 30, 1915 (J. R. Malloch).

***Probezzia obscura* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 355.
 Type.—♀: Ithaca, New York, July 15, 1901 (O. A. Johannsen).
 In fair condition.

***Probezzia pallida* Malloch**

Proc. Biol. Soc. Wash., Vol. 27, July 10, 1914, p. 138.
 Type.—♀: Muncie, Illinois, along Stony Creek, May 24, 1914 (C. A. Hart and J. R. Malloch).
 Allotypes.—♂: White Heath, Illinois, on bank of Sangamon River, May 16, 1915 (J. R. Malloch).
 Paratypes.—♂ and ♀: Monticello, Illinois, along Sangamon River, June 21, 1914 (J. R. Malloch); White Heath, Illinois, on bank of Sangamon River, May 16, 1915 (J. R. Malloch).
 Description of males first given by Malloch in Bull. Ill. State. Lab. Nat. Hist., Vol. XI, Art. IV, December, 1915, p. 318.

***Protenthes claripennis* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 387.
 Lectotype.—♂: South Haven, Michigan, lake shore, July 14, 1914 (C. A. Hart). Slide No. 2458.
 Lectoallotype.—♀: South Haven, Michigan, lake shore, July 14, 1914 (C. A. Hart).
 Paratypes.—♂ and ♀: South Haven, Michigan, lake shore, July 14, 1914 (C. A. Hart).
 Genitalia of lectotype mounted in balsam on a slide.

***Protenthes riparius* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 389.
 Type.—♂: Havana, Illinois, Thompson's Lake, May 1, 1912. Slide No. 2484.
 Allotype.—♀: Havana, Illinois, April 20, 1898 (C. A. Hart). Acc. No. 24349.
 Paratypes.—♂ and ♀: Havana, Illinois, April 19, 1898 (C. A. Hart); Havana, Illinois, on house-boat, April 30, 1912. Acc. No. 24347.
 Genitalia of type mounted in balsam on a slide.

***Pseudochironomus richardsoni* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 500.
 Lectotype.—♀: Havana, Illinois, Chautauqua Park, April 29, 1914 (C. A. Hart and J. R. Malloch).
 Lectoallotype.—♀: Havana, Illinois, Chautauqua Park, April 29-May 30, 1914 (C. A. Hart and J. R. Malloch).
 Paratypes.—♂ and ♀: Havana, Illinois, Chautauqua Park and Thompson's Lake, April 29-May 30, 1914 (C. A. Hart and J. R. Malloch); Monee, Illinois, at light, July 17, 1914 (C. A. Hart). Slide Nos. 3048, 3049, 3051 and 3052.
 The genotype of *Pseudochironomus Malloch* (original designation). Genitalia of two male paratypes, heads of three female paratypes and pupal exuviae of type specimens mounted in balsam on eight slides.

***Pseudoculicoides johannseni* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 311.
 Lectotype.—♂: Palo Alto, California. Slide No. 2935.

Paratypes.—♂: Palo Alto, California. Slide No. 2936.

Genitalia of lectotype and one paratype mounted in balsam on two slides.

Pseudoculicoides major Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 311.

Type.—♂: Urbana, Illinois, at light, July 2, 1914 (J. R. Malloch). Slide No. 2932.

Allotype.—♀: Ithaca, New York (O. A. Johannsen).

Genitalia of male type mounted in balsam on a slide.

Serromyia crassifemorata Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. IV, June, 1914, p. 218.

Lectotype.—♀: Mt. Carmel, Illinois, May 28, 1884 (H. Garman). Acc. No. 1789.

Paratype.—♀: Mt. Carmel, Illinois, May 28, 1884 (H. Garman). Acc. No. 1789.

Tanyptus cornuticaudatus Walley

Can. Ent., Vol. LVII, No. 11, November, 1925, p. 277.

Paratypes.—♂ and ♀: Ottawa, Canada, July 26, 31, 1924 (C. H. Curran).

Tanyptus decoloratus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 370.

Lectotype.—♂: Havana, Illinois, Thompson's Lake, May 1, 1914 (J. R. Malloch). Acc. No. 45796.

Lectoallotype.—♀: Havana, Illinois, at light, September 12, 1895 (C. A. Hart). Acc. No. 13570.

Paratype.—♂: Muncie, Illinois, bank of Stony Creek, May 24, 1914 (J. R. Malloch).

Larval and pupal exuviae of lectotypic male mounted in balsam on Slide No. 2443.

Tanyptus hirtipennis Loew

Berl. Ent. Zeitschr., 1866, p. 5. ♀

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 367. ♂ and ♀

Allotypes.—♂: Urbana, Illinois, May 20, 1906; Dubois, Illinois, in creek valley, April 24, 1914 (C. A. Hart and J. R. Malloch); Golconda, Illinois, April 18, 1914 (C. A. Hart and J. R. Malloch); Grand Tower, Illinois, along ditch, April 22, 1914 (C. A. Hart and J. R. Malloch). Slide Nos. 2455, 2463 and 2464.

The description of the male is by J. R. Malloch. Genitalia of three allotypes mounted in balsam on three slides.

Tanyptus illinoiensis Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 376.

Lectotype.—♂: Havana, Illinois, May 1, 1895 (C. A. Hart). Acc. No. 13819.

Lectoallotype.—♀: Havana, Illinois, September 27, 1895 (C. A. Hart). Acc. No. 13721.

Paratypes.—♂ and ♀: Havana, Illinois, May 1-September 27, 1895-1896 (C. A. Hart and E. B. Forbes); Lake Delavan, Wisconsin, September 5-7, 1892 (C. A. Hart); Carbondale, Illinois, April 27, 1908; Algonquin, Illinois, May 13, 1896 (W. A. Nason); Havana, Illinois, September 10, 1910, Acc. Nos. 11589, 13519, 13552, 13705, 13721, 13818, 13819, 13837, 13843, 13856, 13964, 13972, 18799, 18810, 18811, 22080, 22083, 24016, 24022 and 45782. Slide Nos. 2466 and 2468.

Apical abdominal segments and genitalia of two male paratypes mounted in balsam on two slides.

Tanyptus inconspicuus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 371.

Lectotype.—♂: Easton, Illinois, Central Ditch, May 1, 1914.

Lectoallotype.—♀: Easton, Illinois, Central Ditch, May 1, 1914.

Paratypes.—♂ and ♀: Easton, Illinois, Central Ditch, May 1, 1914. Slide No. 2469.

In good to fair condition. Apical abdominal segments and genitalia of one paratypic male mounted in balsam on a slide number 2469.

Tanypus mallochi Walley

Can. Ent., Vol. LVII, No. 11, November, 1925, p. 273.

Paratypes.—♂ and ♀: Ottawa, Canada, July 4, 1923 (C. H. Curran); Aylmer, Quebec, Canada, September 7, 1924 (C. H. Curran).

Tanypus marginellus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 374.

Lectotype.—♂: Dubois, Illinois, in creek valley, April 24, 1914 (C. A. Hart and J. R. Malloch). Slide No. 2459.

Paratype.—♂: Dubois, Illinois, in creek valley, April 24, 1914 (C. A. Hart and J. R. Malloch).

Abdomen and genitalia of lectotype mounted in balsam on a slide.

Tanytarsus confusus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 490.

Lectotype.—♂: Urbana, Illinois, Fair Grounds, May 20, 1914 (C. A. Hart and J. R. Malloch).

Lectoallotype.—♀: Urbana, Illinois, Fair Grounds, May 20, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: Urbana, Illinois, at light, October 2, 3, 1914 (C. A. Hart and J. R. Malloch); Havana, Illinois, along river, April 28, 1914 (C. A. Hart and J. R. Malloch); Muncie, Illinois, along Stony Creek, May 24, 1914 (C. A. Hart and J. R. Malloch); Momence, Illinois, at light, July 17, 1914 (C. A. Hart and J. R. Malloch). Slide No. 3069.

Genitalia of paratypic male mounted in balsam on a slide.

Tanytarsus dubius Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 496.

Lectotype.—♂: Havana, Illinois, Chautauqua Park, April 29, 1914 (C. A. Hart and J. R. Malloch).

Lectoallotype.—♀: Havana, Illinois, Chautauqua Park, April 29, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: Havana, Illinois, along Illinois River and at Chautauqua Park, April 28-29, 1914 (C. A. Hart and J. R. Malloch). Slide No. 3063.

Genitalia of one paratypic male mounted in balsam on a slide.

Tanytarsus flavicauda Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 493.

Lectotype.—♂: Carbondale, Illinois, along creek valley, April 23, 1914 (C. A. Hart and J. R. Malloch). Slide No. 3078.

Lectoallotype.—♀: Carbondale, Illinois, along creek valley, April 23, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: Carbondale, Illinois, along creek valley, April 23, 1914 (C. A. Hart and J. R. Malloch); Havana, Illinois, along river, April 28, 1914 (C. A. Hart and J. R. Malloch).

Paratypic females collected April 28 and not April 29 as stated in original description. Genitalia and portion of abdomen of lectotype mounted in balsam on a slide.

Tanytarsus muticus Johannsen

N. Y. State Museum, Bull. 86, June, 1905, p. 294. ♂

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 494. ♀

Allotype.—♀: Urbana, Illinois, at light, October 6, 1914 (C. A. Hart and J. R. Malloch).

Description of the female is by J. R. Malloch.

Tanytarsus neoflavellus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 489.

Lectotype.—♂: Dubois, Illinois, April 25, 1914 (J. R. Malloch).

Paratypes.—♂: Dubois, Illinois, along creek valley and at light, April 24, 1914 (J. R. Malloch).

Female also described in original description but no specimens of this sex were found in collection.

Tanytarsus politus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 493.

Lectotype.—♂: Easton, Illinois, along Central Dredge Ditch, May 1, 1914 (C. A. Hart and J. R. Malloch). Slide No. 3089.

Paratypes.—♂: Easton, Illinois, along Central Dredge Ditch, May 1, 1914 (C. A. Hart and J. R. Malloch).

Genitalia of lectotypic male mounted in balsam on a slide.

Tanytarsus similatus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 494.

Lectotype.—♂: Madison Wisconsin, May 1, 1910 (J. G. Sanders). Slide No. 3084.

Allotype.—♀: Madison, Wisconsin, May 1, 1910 (J. G. Sanders).

Paratype.—♂: Madison, Wisconsin, May 1, 1910 (J. G. Sanders).

Genitalia of lectotype mounted in balsam on a slide. In fair condition.

Tanytarsus viridiventris Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, May, 1915, p. 491.

Lectotype.—♂: South Haven, Michigan, shore of Lake Michigan, July 14, 1914 (C. A. Hart).

Paratypes.—♂: South Haven, Michigan, shore of Lake Michigan, July 14, 1914 (C. A. Hart). Slide No. 3083.

Genitalia of one paratype mounted in balsam on a slide.

Family MYCETOGENIDAE

Boletina punctus Garrett

Sixty-one New Diptera (Privately published), Cranbrook, British Columbia, February 7, 1925, p. 5.

Paratypes.—♂ and ♀: Creston, British Columbia, July 4 (C. Garrett).

Bolitophila subteresa Garrett

Sixty-one New Diptera (Privately published), Cranbrook, British Columbia, February 7, 1925, p. 7.

Paratype.—♀: Michel, British Columbia, Wilson Creek, September 9 (C. Garrett).

Macrocera distincta Garrett

Sixty-one New Diptera (Privately published), Cranbrook, British Columbia, February 7, 1925, p. 8.

Paratypes.—♂: Cranbrook, British Columbia, July 10 and 14 (C. Garrett).

Macrocera variola Garrett

Sixty-one New Diptera (Privately published), Cranbrook, British Columbia, February 7, 1925, p. 7.

Paratypes.—♂ and ♀: Cranbrook, British Columbia, September 9 (C. Garrett); Marysville, British Columbia, July 1 (C. Garrett).

Mycomya magna Garrett

Ins. Insc. Mens., Vol. XII, Nos. 4-6, April-June, 1924, p. 64.

Paratype.—♂: Fernie, British Columbia, July 24 (C. Garrett).

Mycomya vulgaris Garrett

Ins. Insc. Mens., Vol. XII, Nos. 4-6, April-June, 1924, p. 63.

Paratypes.—♂ and ♀: Fernie, British Columbia, July 23-24 (C. Garrett).

Sceptonia johannsoni Garrett

Seventy New Diptera (Privately published), Cranbrook, British Columbia, December 31, 1925, p. 15.

Paratypes.—♂ and ♀: Marysville, British Columbia, August 1 (C. Garrett).

***Sciophila parvus* Garrett**

Sixty-one New Diptera (Privately published), Cranbrook, British Columbia, February 7, 1925, p. 10.

Paratype.—♀: Cranbrook, British Columbia, June 2, 1920 (C. Garrett).

***Zygoneura fenestrata* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, June, 1914, p. 233.

Lectotype.—♂: Urbana, Illinois, on window, November 7, 1913 (C. A. Hart and J. R. Malloch).

Lectoallotype.—♀: Urbana, Illinois, on window, November 7, 1913 (C. A. Hart and J. R. Malloch). Slide No. 1841.

Paratypes.—♂ and ♀: Urbana, Illinois, on window, November 7, 13, 14, 1913 (C. A. Hart and J. R. Malloch). Slide No. 1848.

Lectoallotype and one male paratype mounted in balsam on two slides.

***Zygomya interrupta* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, June, 1914, p. 234.

Type.—♂: Urbana, Illinois, on window, November 13 1913 (J. R. Malloch).

Family ITONIDIDAE

***Lasioptera muhlenbergiae* Marten**

Ohio Agr. Exp. Station, Tech. Ser., Vol. 1, No. 3, Art. IX, April, 1893, p. 155.

Cotypes.—♂ and ♀: Urbana, Illinois reared from fusiform stem gall May 9-June 2, 1892 (J. Marten).

Also pupae and pupal exuviae of cotypes. Now considered as synonymous with *Asteromyia agrostis* Osten Sacken. Numerous male and especially female cotypes preserved in alcohol. In poor condition. Acc. Nos. 17979, 17980, 17981, 17999, 18011, 18041, 18122.

Family BIBIONIDAE

***Forbesomyia atra* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. VI, June, 1914, p. 235.

Type.—♀: Urbana, Illinois, on window, November 7, 1913 (C. A. Hart and J. R. Malloch).

In fair condition. The genotype of *Forbesomyia* Malloch (original designation and monobasic.)

Family SCATOPSIDAE

***Aspistes hartii* D Malloch**

Ent. News, Vol. XXXI, No. 10, December, 1920, p. 275.

Type.—♂: Havana, Illinois, Quiver Lake, May 5, 1896 (C. A. Hart). Acc. No. 13819.

Allotype.—♀: Havana, Illinois, Quiver Lake, May 5, 1896 (C. A. Hart). Acc. No. 13819.

Paratypes.—♂ and ♀: Havana, Illinois, Quiver Lake, May 20, 1894 (C. A. Hart); Meredosia, Illinois, May 28, 1917 (J. R. Malloch); Havana, Illinois, June 3, 1918 (J. R. Malloch); Oregon, Illinois, June 19, 1917 (J. R. Malloch). Acc. No. 13143.

Mr. Malloch, D when describing this species, wrote that the accession catalogue containing the data concerning some of the type specimens was missing. The fortunate recovery of the accession catalogue containing the Illinois aquatic records has enabled me to publish the data pertaining to the type, allotype and two paratypes.

Family SIMULIIDAE

Prosimulium mutatum Malloch

Bull. U. S. Bur. Ent., Tech. Ser. No. 26, 1914, p. 20.

Paratypes.—♀: Jamesburg, New Jersey, April 30, 1911; Homer, Illinois, April 25, 1909.

Simulium arcticum Malloch

Bull. U. S. Bur. Ent., Tech. Ser. No. 26, 1914, p. 37.

Paratypes.—♂: Kaslo, British Columbia, June 13 and July 4 (H. G. Dyar and R. P. Currie).

Simulium forbesi Malloch

Bull. U. S. Bur. Ent., Tech. Ser. No. 26, April 6, 1914, p. 63.

Type.—♀: Havana, Illinois, White Oak Run, June 7, 1912 (A. W. J. Pomeroy). Acc. No. 45753.

Paratypes.—♀: Havana, Illinois, Chautauqua Park, June 1, 1912 (A. W. J. Pomeroy); Havana, Illinois, White Oak Run, June 7, 1912 (A. W. J. Pomeroy). Acc. No. 45753.

Though the male is stated to be described from many specimens, no males were found in the collection labeled *forbesi* by Malloch.***Simulium johannseni*** Hart

Twenty-seventh Rep. State Ent. Ill., 1912, p. 32.

Lectotype.—♀: Havana, Illinois, on house boat, shore of Illinois River, April 26, 1912.

Lectoallotype.—♂: Havana, Illinois, on house boat, shore of Illinois River, April 26, 1912.

Paratypes.—♂ and ♀: Havana, Illinois, on house boat, shore of Illinois River, April 26, 1912.

Simulium parnassum Malloch

Bull. U. S. Bur. Ent., Tech. Ser. No. 26, 1914, p. 36.

Paratype.—♀: Skyland, Page County, Virginia, July 15, 1912 (H. G. Dyar).

Simulium venustoides Hart

Twenty-seventh Rep. State Ent. Ill., 1912, p. 42.

Lectotype.—♂: Algonquin, Illinois, July 8, 1896 (W. A. Nason).

Lectoallotype. ♀: Algonquin, Illinois, October 20, 1894 (W. A. Nason).

Paratypes.—♂ and ♀: Algonquin, Illinois, April, May, August, September and October, 1894-1896 (W. A. Nason).

This species is now considered as synonymous with *Simulium piscicidum* Riley.

Family BLEPHAROCERIDAE

Philorus markii Garrett

Seventy New Diptera (Privately published), Cranbrook, British Columbia, December 31, 1925, p. 5.

Paratype.—♂: Fort Steele, British Columbia, July 21 (C. Garrett).

Family STRATIOMYIIDAE

Eupachygaster henshawi Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. XII, Art. III, March, 1917, p. 338.

Type.—♀: Savoy, Illinois, May 4, 1914 (J. R. Malloch). Acc. No. 46357. Reared June 17, 1914, from larva found under bark of apple tree.

Eupachygaster punctifer Malloch

Ann. Ent. Soc. Amer., Vol. VIII, No. 4, December, 1915, p. 316.

Type.—♀: Algonquin, Illinois (W. A. Nason).

***Johnsonomyia aldrichi* Malloch**

Ann. Ent. Soc. Amer., Vol. VIII, No. 4, December, 1915, p. 313.

Allotype.—♀: Victoria, Texas, April 9, 1914 (Bishopp No. 3266).

In fair condition. The genotype of *Johnsonomyia* Malloch (original designation and monobasic).

***Nemotelus bellulus* Melander**

Psyche, Vol. X, October-December, 1903, p. 183.

Cotype.—♀: Galveston, Texas, June, 1900 (A. L. Melander).

***Nemotelus bonnarius* Johnson**

Psyche, Vol. XIX, No. 1, February, 1912, p. 4.

Paratypes.—♂ and ♀: Farewell Creek, South Saskatchewan, Canada, August, 1907 (Mrs. V. A. Armstrong).

***Nemotelus bruesii* Melander**

Psyche, Vol. X, October-December, 1903, p. 179.

Cotypes.—♂ and ♀: Austin, Texas, April 8 and 12, 1900 (A. L. Melander and C. T. Brues).

***Nemotelus trinotatus* Melander**

Psyche, Vol. X, October-December, 1903, p. 180.

Cotypes.—♂ and ♀: Austin, Texas, May 11, 1900 (A. L. Melander and C. T. Brues).

***Nemotelus wheeleri* Melander**

Psyche, Vol. X, October-December, 1903, p. 182.

Cotype.—♀: Galveston, Texas, June, 1900 (A. L. Melander and W. M. Wheeler).

***Odontomyia snowi* Hart**

Bull. Ill. State Lab. Nat. Hist., Vol. IV, Art. VI, December, 1896, p. 256.

Type.—♂: Champaign, Illinois, along railroad tracks, July 2, 1890 (C. A. Hart and J. Marten). Acc. No. 15784.

***Oxycera albovittata* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. XII, Art. III, March, 1917, p. 330.

Type.—♀: Muncie, Illinois, along Stony Creek, July 5, 1914 (J. R. Malloch).

***Oxycera aldrichi* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. XII, Art. III, March, 1917, p. 329.

Type.—♂: Lafayette, Indiana, June 23 (J. M. Aldrich).

***Oxycera approximata* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. XII, Art. III, March, 1917, p. 326.

Type.—♀: Muncie, Illinois, along Stony Creek, July 5, 1914 (J. R. Malloch).

***Xylomyia pallidifemur* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. XII, Art. III, March, 1917, p. 343.

Lectotype.—♂: Urbana, Illinois, in woods, June 17, 1890 (C. A. Hart). Acc. No. 15751.

Lectoallotype.—♀: Urbana, Illinois, in woods, June 1, 1890 (C. A. Hart). Acc. No. 15700.

Paratype.—♀: Urbana, Illinois, in woods, June 2, 1890 (C. A. Hart). Acc. No. 15702.

Family ASILIDAE

***Laphria sicula* McAtee**

Ohio Journ. Sc., Vol. XIX, No. 2, December, 1918, p. 165.

Paratype.—♂: Monticello, Illinois, along Sangamon River, June 30, 1914.

Family DOLICHOPODIDAE

***Chrysotus anomalus* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. IV, June, 1914, p. 238.

Type.—♂: New Orleans, Louisiana, April 23, 1885 (S. A. Forbes). Acc. No. 5513.

Chrysotus ciliatus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. IV, June, 1914, p. 236.

Type.—♂: Champaign, Illinois, along side of railroad tracks, June 22, 1888 (C. A. Hart and J. Marten). Acc. No. 14504.

Chrysotus flavisetus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. IV, June, 1914, p. 239.

Lectotype.—♂: Champaign, Illinois, along side of railroad tracks, June 22, 1888 (C. A. Hart and J. Marten). Acc. No. 14504.

Lectoallotype.—♀: Champaign, Illinois, along side of railroad tracks, June 22, 1888 (C. A. Hart and J. Marten). Acc. No. 14504.

Paratypes.—♀: Champaign, Illinois, along side of railroad tracks, June 22, 1888 (C. A. Hart and J. Marten). Acc. No. 14504.

Chrysotus spinifer Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. IV, June, 1914, p. 238.

Type.—♂: Algonquin, Illinois (W. A. Nason).

Hydromorphus pilatarsis Malloch

Rep. Can. Arctic Exp., 1913-18, Vol. III, Part C, July 14, 1919, p. 51c.

Cotypes.—♂ and ♀: Teller, Alaska, August 6, 1913, and July 29, 1913 (F. Johansen).

In fair condition.

Hygrocoleuthus idahoensis Aldrich

Kansas Univ. Quart., Vol. 2, No. 3, January, 1894, p. 154.

Cotype.—♂: Moscow, Idaho.

Now placed in the genus *Dolichopus* Latreille.

Medeterus caerulescens Malloch

Ent. News, Vol. XXX, No. 1, January, 1919, p. 8.

Type.—♂: White Heath, Illinois, reared April 26, 1918, from larva found under bark on April 18 (J. R. Malloch).

Allotype.—♀: White Heath, Illinois, reared April 26, 1918 from larva found under bark on April 18 (J. R. Malloch).

Family EMPIDIDAE

Tachydromia harti Malloch

Can. Ent., Vol. LI, No. 11, November, 1919, p. 248.

Type.—♂: Havana, Illinois, June 5, 1918 (J. R. Malloch).

Allotype.—♀: Havana, Illinois, June 5, 1918 (J. R. Malloch).

Paratypes.—♀: Havana, Illinois, June 5, 1918 (J. R. Malloch).

Rhamphomyia conservativa Malloch

Rep. Can. Arctic Exp., 1913-1918, Vol. III, Part C, July 14, 1919, p. 48c.

Paratypes.—♂ and ♀: Bernard Harbour, Northwest Territories, Canada, July 18-19, 1915 (F. Johansen); Young Point, Northwest Territories, Canada, July 18, 1916 (F. Johansen).

In poor condition.

Family PHORIDAE

Aphiochaeta aristalis Malloch

Bull. Brook. Ent. Soc., Vol. IX, No. 3, June, 1914, p. 57.

Type.—♂: Havana, Illinois, September 20, 1895 (A. Hempel). Acc. No. 13709.

Aphiochaeta bisetulata Malloch

Bull. Brook. Ent. Soc., Vol. X, No. 3, July, 1915, p. 65.

Type.—♀: Urbana, Illinois, June 14, 1914 (E. H. Swigert).

Aphiochaeta nasoni Malloch

Bull. Brook. Ent. Soc., Vol. IX, No. 3, June, 1914, p. 58.

Type.—♂: Algonquin, Illinois, November 16, 1896 (W. A. Nason).

- Aphiochaeta pallidiventris** Malloch
 Bull. Brook. Ent. Soc., Vol. XIV, No. 2, April, 1919, p. 47.
 Type.—♀: Cobden, Illinois, May 9, 1918 (J. R. Malloch).
- Aphiochaeta plebeia** Malloch
 Bull. Brook. Ent. Soc., Vol. IX, No. 3, June, 1914, p. 59.
 Type.—♂: Urbana, Illinois, reared from decaying vegetation, July 18, 1885. Acc. No. 6889.
 Lectotype.—♀: Urbana, Illinois, reared from decaying vegetation, July 18, 1885. Acc. No. 6889.
 Paratype.—♀: Urbana, Illinois, reared from decaying vegetation, July 18, 1885. Acc. No. 6889.
- Aphiochaeta quadripunctata** Malloch
 Ent. News., Vol. XXIX, No. 4, April, 1918, p. 147.
 Type.—♂: Elizabeth, Illinois, July 8, 1917.
- Apocephalus pictus** Malloch
 Ent. News., Vol. XXIX, No. 4, April, 1918, p. 146.
 Type.—♂: Havana, Illinois, August 30, 1917.
- Beckerina luteola** Malloch
 Can. Ent., Vol. LI, November, 1919, No. 11, p. 256.
 Type.—♀: Cobden, Illinois, May 9, 1918 (J. R. Malloch).
- Hypocera vectabilis** Brues
 Ann. Hist. Nat. Mus. Hung., Vol. 11, 1913, p. 336.
 Paratypes.—♂ and ♀: Abyssinia.
 Male in good condition, but head of female is missing.
- Phora egregia** Brues
 Ann. Hist. Nat. Mus. Hung., Vol. 9, 1911, p. 534.
 Paratype.—♀: Fuhosho, Formosa, July (Sauter).
- Platyphora flavofemorata** Malloch
 Bull. Ill. State Lab. Nat. Hist., Vol. XI, Art. IV, December, 1915, p. 353.
 Type.—♂: White Heath, Illinois, taken *in copula* on sandy bank, August 22, 1915 (J. R. Malloch).
 Allotype.—♀: White Heath, Illinois, taken *in copula* on sandy bank, August 22, 1915 (J. R. Malloch).
 Type and allotype mounted on the same card point mount.

Family SYRPHIDAE

- Cnemedon trochanteratus** Malloch
 Proc. Ent. Soc. Wash., Vol. 20, No. 5, May, 1918, p. 127.
 Type.—♂: St. Joseph, Illinois, along Salt Fork, May 3, 1914.
- Melanostoma pallitarsis** Curran
 Can. Ent., Vol. LIII, No. 4, April, 1926, p. 83.
 Paratypes.—♂ and ♀: Freeport, Illinois, July 4, 1917; Cedar Lake, Lake County, Illinois, August 4, 1906; Mahomet, Illinois, April 23, 1925 (T. H. Frison).

Family CLUSIIDAE

- Clusia occidentalis** Malloch
 Proc. Ent. Soc. Wash., Vol. 20, No. 5, January, 1918, p. 4.
 Type.—♂: Washington State (T. Kincaid).
 In fair condition.

Family SCATOPHAGIDAE

- Amaurosoma katmaiensis** Malloch
 Ohio Journ. Sc., Vol. XX, No. 7, May, 1920, p. 284.
 Paratype.—♀: Katmai, Alaska, June, 1917 (J. H. Hine)

Amaurosoma nuda Malloch

Bull. Brook. Ent. Soc., Vol. XVII, No. 3, June, 1922, p. 78.

Paratype.—♀: Cape Charles, Labrador, July 30, 1906.

Amaurosoma unispinosa Malloch

Ohio Journ. Sc., Vol. XX, No. 7, May, 1920, p. 285.

Paratype.—♀: Katmai, Alaska, July, 1917 (J. H. Hine).

Gimnomera atrifrons Malloch

Proc. Ent. Soc. Wash., Vol. 22, No. 1, January, 1920, p. 37.

Type.—♂: St. Anthony Park, Minnesota (O. Lugger).

Gimnomera fasciventris Malloch

Proc. Ent. Soc. Wash., Vol. 22, No. 1, January, 1920, p. 38.

Type.—♂: Meredosia, Illinois, in sand-pit, May 29, 1917 (J. R. Malloch).

Allotype.—♀: Meredosia, Illinois, in sand-pit, May 29, 1917 (J. R. Malloch).

Paratype.—♀: Meredosia, Illinois, in sand-pit, May 29, 1917 (J. R. Malloch).

Gimnomera incisurata Malloch

Proc. Ent. Soc. Wash., Vol. 22, No. 1, January, 1920, p. 37.

Type.—♂: Dubois, Illinois, May 10, 1918 (J. R. Malloch).

Allotype.—♀: Dubois, Illinois, May 10, 1918 (J. R. Malloch).

Paratypes.—♂ and ♀: Dubois, Illinois, May 10, 1918, and May 25, 1917 (J. R. Malloch).

Orthochaeta dissimilis Malloch

Psyche, Vol. XXXI, No. 5, October, 1924, p. 194.

Type.—♀: Algonquin, Illinois, June 3, 1898 (W. A. Nason).

Paratype.—♀: Urbana, Illinois, May 7, 1907.

Pseudopogonota aldrichi var. *pallida* Malloch

Proc. Ent. Soc. Wash., Vol. 22, No. 1, January, 1920, p. 36.

Paratypes.—♂: Craigs Mountain, Idaho (J. M. Aldrich); Marshall Pass, Colorado, July 28, 1908, elevation 10856 feet (J. M. Aldrich).

Scatophaga grisea Malloch

Proc. Ent. Soc. Wash., Vol. 22, No. 1, January, 1920, p. 34.

Type.—♂: Logan, Utah, May 20, 1914 (H. R. Hagan).

Allotype.—♀: Wells, Nevada, July 12, 1911.

Family HELOMYZIDAE

Acantholeria oediemus Garrett

Ins. Insc. Mens., Vol. IX, Nos. 7-9, July-September, 1921, p. 131.

Paratypes.—♂ and ♀: Cranbrook, British Columbia, June 6-7, July 21, August 14, October 18 (C. Garrett).

Amoebaleria fraterna var. *hyalina* Garrett

Sixty-one New Diptera (Privately published), Cranbrook, British Columbia, February 7, 1925, p. 4.

Paratype.—♀: Michel, British Columbia, August 1 (C. Garrett).

Amoebaleria gigas Garrett

Ins. Insc. Menstruus, Vol. IX, Nos. 7-9, July-September, 1921, p. 126.

Paratype.—♂: Cranbrook, British Columbia, May 2, 1919 (C. Garrett).

Now considered as *Amoebaleria tincta* form *pilosus* Coquillett.

Amoebaleria (Eidoamoeba) luteola Garrett

Seventy New Diptera (Privately published), Cranbrook, British Columbia, December 31, 1925, p. 3.

Paratype.—♀: Algonquin, Illinois, November 3, 1909 (W. A. Nason).

The genotype of the subgenus *Eidoamoeba* Garrett (original designation).

Anarostomoides petersoni Malloch

Bull. Brook. Ent. Soc., Vol. XI, No. 1, February, 1916, p. 15.

Type.—♂: Urbana, Illinois, University Forestry, November 13, 1915 (A. Peterson).

Allotype.—♀: Urbana, Illinois, University Forestry, November 11, 1915 (A. Peterson).

The genotype of *Anarostomoides* Malloch (original designation and monobasic). Now placed in the genus *Crymobia* Loew.

Anorostoma coloradensis Garrett

Ins. Insc. Mens., Vol. XII, Nos. 1-3, January-March, 1924, p. 28.

Paratype.—♂: Colorado (1389).

Pseudoleria crassata Garrett

Seventy New Diptera (Privately published). Cranbrook, British Columbia, December 31, 1925, p. 3.

Paratypes.—♂ and ♀: Havana, Illinois, Gleason's sand dune, April 30, 1914.

Pseudoleria vulgaris Garrett

Seventy New Diptera (Privately published), Cranbrook, British Columbia, December 31, 1925, p. 2.

Paratype.—♀: Cranbrook, British Columbia, May 20, 1921 (C. Garrett).

Suillia loewi Garrett

Sixty-one New Diptera (Privately published), Cranbrook, British Columbia, February 7, 1925, p. 3.

Paratypes.—♂ and ♀: Marysville, British Columbia, July 14 and August 1 (C. Garrett).

Family BORBORIDAE

Borborus scriptus Malloch

Bull. Brook. Ent. Soc., Vol. X, No. 3, July, 1915, p. 64.

Type.—♂: St. Joseph, Illinois, along Salt Fork, May 17, 1914 (J. R. Malloch).

Leptocera (Collinella) fumipennis Spuler

Ann. Ent. Soc. Amer., Vol. XVII, No. 1, March, 1924, p. 110.

Paratypes.—♂ and ♀: Algonquin, Illinois, August 1, October 5 and 27, 1895 (W. A. Nason).

Leptocera (Leptocera) hoplites Spuler

Ann. Ent. Soc. Amer., Vol. XVII, No. 1, March 1924, p. 115.

Paratype.—♂: Washougal, Washington, May 25, 1910 (A. L. Melander).

Leptocera (Scotophiliella) abundans Spuler

Journ. N. Y. Ent. Soc., Vol. XXXIII, No. 3, September, 1925, p. 151.

Paratypes.—♀: Moscow Mountain, Idaho, June 17, 1918 (A. L. Melander); Moscow Mountain, Idaho, July 4, 1915 (A. L. Melander); Paradise Park, Mt. Rainier, Washington, August, 1917 (A. L. Melander).

Leptocera (Scotophiliella) albifrons Spuler

Journ. N. Y. Ent. Soc., Vol. XXXIII, No. 3, September, 1925, p. 147.

Paratype.—♂: Algonquin, Illinois, April 11, 1896 (W. A. Nason).

Leptocera (Scotophiliella) elegans Spuler

Journ. N. Y. Ent. Soc., Vol. XXXIII, No. 3, September, 1925, p. 149.

Paratypes.—♀: Urbana, Illinois, reared from horse manure, August 1, 1908 (J. Zetek); Champaign, Illinois, from garbage, November 6, 1908 (J. G. Sanders). Acc. Nos. 39218 and 40264.

Leptocera (Scotophiliella) gracilipennis Spuler

Journ. N. Y. Ent. Soc., Vol. XXXIII, No. 2, June, 1925, p. 78.

Paratype.—♂: Algonquin, Illinois, April 11, 1896 (W. A. Nason).

Leptocera (Scotophiliella) longicosta Spuler

Journ. N. Y. Ent. Soc., Vol. XXXIII, No. 3, September, 1925, p. 155.

Paratypes.—♂ and ♀: Algonquin, Illinois, November 4, 1895 and November 11, 1896 (W. A. Nason); Urbana, Illinois, in breeding cage, May 6, 1891 (J. Marten); Urbana, Illinois, reared from horse manure, August 1, 1908 (J. Zetek). Acc. Nos. 16263 and 39211.

In poor to good condition.

Leptocera (Scotophilella) ordinaria Spuler

Journ. N. Y. Ent. Soc., Vol. XXXIII, No. 3, September, 1925, p. 159.

Paratype.—♀: Muir Woods, California, August 7, 1915 (A. L. Melander).

Leptocera (Opacifrons) sciaspidis Spuler

Psyche, Vol. XXXI, Nos. 3 and 4, June-August, 1924, p. 124.

Paratypes.—♂: Mt. Constitution, Washington, July 31 (A. L. Melander).

Leptocera (Opacifrons) wheeleri Spuler

Psyche, Vol. XXXI, Nos. 3 and 4, June-August, 1924, p. 128.

Paratype.—♀: Havana, Illinois, on shore of river, December 13, 1894 (F. Smith and Hottes). Acc. No. 13135.

Leptocera (Thorocochaeta) johnsoni Spuler

Can. Ent., Vol. LVII, No. 5, May, 1925, p. 121.

Paratype.—♀: Seattle, Washington (A. L. Melander).

Family SAPROMYZIDAE

Melanomyza intermedia Malloch

Proc. Ent. Soc. Wash., Vol. 25, No. 2, February, 1925, p. 50.

Paratypes.—♂ and ♀: White Heath, Illinois, June 25-26, 1914; Summer, Illinois, August 2, 1914; Urbana, Illinois, University Woods (Cottonwood Grove), July 27, 1917; White Heath, Illinois, July 11, 1915; Odin, Illinois, in meadow, May 28, 1910.

Minettia americana Malloch

Proc. Ent. Soc. Wash., Vol. 25, No. 2, February, 1925, p. 53.

Paratype.—♂: White Heath, Illinois, May 18, 1889 (J. D. Marten). Acc. No. 14988.

Phorticoides flinti Malloch

Bull. Brook. Ent. Soc., Vol. X, No. 4, October, 1915, p. 87.

Lectotype.—♂: Urbana, Illinois, on sap from a wound on elm tree, August 30, 1915 (J. R. Malloch and W. P. Flint).

Paratype.—♂: Urbana, Illinois, on sap from a wound on elm tree, September 1, 1915 (J. R. Malloch and W. P. Flint).

The genotype of *Phorticoides* Malloch (original designation and monobasic).

Sapromyza aequalis Malloch

Proc. Biol. Soc. Wash., Vol. 27, March 20, 1914, p. 36.

Type.—♂: Algonquin, Illinois, August 8, 1895 (W. A. Nason).

Paratype?—♂: Urbana, Illinois, June 28, 1889 (C. A. Hart). Hart Acc. No. 514.

Sapromyza blaisdelli Cresson

Ent. News., Vol. XXI, No. 3, March, 1920, p. 66.

Paratype.—♀: San Francisco, California, May 27, 1908 (F. E. Blaisdell).

Sapromyza cilifera Malloch

Proc. Biol. Soc. Wash., Vol. 27, March 20, 1914, p. 33.

Type.—♂: Urbana, Illinois, swept from box-elder, May 24, 1888 (C. A. Hart). Acc. No. 14376.

Sapromyza (Sapromyzosoma) citrifrons Malloch

Can. Ent., Vol. LII, No. 6, June, 1920, p. 127.

Type.—♂: Savanna, Illinois, June 13, 1917 (J. R. Malloch).

Paratypes.—♂: Cohden, Illinois, May 9, 1918 (J. R. Malloch).

Sapromyza fratercula Malloch

Can. Ent., Vol. LII, No. 6, June, 1920, p. 128.

Paratype.—♂: Powderville, Montana, June 15, 1916 (M. Hanna).

Sapromyza fuscibasis Malloch

Can. Ent., Vol. LII, No. 6, June, 1920, p. 126.

Type.—♂: White Heath, Illinois, July 11, 1915 (J. R. Malloch).

Allotype.—♀: Summer, Illinois, August 2, 1914 (C. A. Hart).

Paratypes.—♂ and ♀: White Heath, Illinois, July 11, 1915 (J. R. Malloch); Summer, Illinois, August 2, 1914 (C. A. Hart); Dubois, Illinois, August 8, 1917 (J. R. Malloch); Urbana, Illinois, September 15, 1891 (J. Marten); St. Joseph, Illinois, June 27, 1915 (J. R. Malloch). Acc. No. 17499.

Sapromyza harti Malloch

Proc. Biol. Soc. Wash., Vol. 27, March 20, 1914, p. 32.

Lectotype.—♂: Quincy, Illinois, swept from sand bar, August 12, 1889 (C. A. Hart). Hart Acc. No. 553.

Lectoallotype.—♀: Quincy, Illinois, swept from sand bar, August 12, 1889 (C. A. Hart). Hart Acc. No. 553.

Paratypes.—♂ and ♀: Quincy, Illinois, swept from sand bar, August 12, 1889 (C. A. Hart); Quincy, Illinois, August 8, 1889 (not August 14 as stated in original description) (C. A. Hart). Hart Acc. No. 544 and 553.

Sapromyza inaequalis Malloch

Proc. Biol. Soc. Wash., Vol. 27, March 20, 1914, p. 35.

Type.—♂: Urbana, Illinois, May 9, 1911 (C. A. Hart). Acc. No. 16287.

Allotype.—♀: Urbana, Illinois, May 28, (not May 27 as given in original description), 1911 (C. A. Hart). Acc. No. 15693.

Sapromyza incerta Malloch

Proc. Biol. Soc. Wash., Vol. 27, March 20, 1914, p. 36.

Paratype.—♀: Aldridge, Illinois, August 11, 1891 (C. A. Hart and Shiga). Acc. No. 17212.

Sapromyza littoralis Malloch

Proc. Biol. Soc. Wash., Vol. 27, March 12, 1915, p. 47.

Lectotype.—♂: South Haven, Michigan, sweeping along lake shore, July 14, 1914 (C. A. Hart).

Lectoallotype.—♀: South Haven, Michigan, sweeping along lake shore, July 14, 1914 (C. A. Hart).

Paratypes.—♂ and ♀: South Haven, Michigan, sweeping along lake shore, July 14, 1914 (C. A. Hart).

Sapromyza nubilifera Malloch

Can. Ent., Vol. LII, No. 6, June, 1920, p. 126.

Type.—♂: Monticello, Illinois, along Sangamon River, June 21, 1914 (C. A. Hart and J. R. Malloch).

Allotype.—♀: Monticello, Illinois, along Sangamon River, June 28, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: Monticello, Illinois, along Sangamon River, June 21, 1914; Mahomet, Illinois, along Sangamon River, August 6, 1914; Urbana, Illinois, forestry, June 17 and 23, 1916; Urbana, Illinois, June 20, 1915 (C. A. Hart and J. R. Malloch).

Sapromyza pernotata Malloch

Can. Ent., Vol. LII, No. 6, June, 1920, p. 128.

Type.—♂: Cedar Lake (Lake County), Illinois, in tamarack bog, August 4, 1906.

Paratype.—♂: Cedar Lake (Lake County), Illinois, in tamarack bog, August 4, 1906.

Sapromyza seticauda Malloch

Proc. Biol. Soc. Wash., Vol. 27, March 20, 1914, p. 34.

Type.—♂: Havana, Illinois, July 14, 1910.

Sapromyza similata Malloch

Proc. Biol. Soc. Wash., Vol. 27, March 20, 1914, p. 30.

Type.—♀: St. Joseph, Illinois, sweepings, June 9, 1912.

Lectoallotype.—♂: Michigan.

Paratypes.—♂ and ♀: Algonquin, Illinois, June, July, September, 1895-1897. (W. A. Nason); Merchantville, New Jersey; Quincy, Illinois, swept from sand bar, August 12, 1889 (C. A. Hart); Urbana, Illinois, Pond Grove, June 13, 1889 (C. A. Hart); Normal, Illinois, swept from weeds, June 3, 1884. Acc. No. 2089. Hart Acc. Nos. 500 and 553.

Family LONCHAEIDAE

Lonchaea aberrans Malloch

Can. Ent., Vol. LII, No. 6, June, 1920, p. 131.

Type.—♀: Parker, Illinois, April 17, 1914 (C. A. Hart and J. R. Malloch).

Allotype.—♂: Algonquin, Illinois, May 4, 1895 (W. A. Nason).

Paratype.—♂: Southern Illinois (Carlinville). Collected by C. Robertson and previously determined by S. W. Williston as "polita Say".

Lonchaea nudifemorata Malloch

Proc. Biol. Soc. Wash., Vol. 27, March 20, 1914, p. 38.

Lectoallotype.—♀: Algonquin, Illinois (W. A. Nason).

Paratype.—♀: Algonquin, Illinois (W. A. Nason).

Lonchaea ruficornis Malloch

Can. Ent., Vol. LII, No. 6, June, 1920, p. 129.

Type.—♀: Savanna, Illinois, June 14, 1917 (J. R. Malloch).

Lonchaea striatifrons Malloch

Can. Ent., Vol. LII, No. 11, November, 1920, p. 246.

Paratypes.—♂: Santa Clara County, California (Baker); San Diego County, California (Harkins Collection).

Lonchaea vibrissata Malloch

Proc. Biol. Soc. Wash., Vol. 27, March 20, 1914, p. 37.

Type.—♀: Algonquin, Illinois, October 16, 1894 (W. A. Nason).

Paratype.—♀: Algonquin, Illinois, May 10, 1897 (W. A. Nason).

Lonchaea winnemanae Malloch

Proc. Biol. Soc. Wash., Vol. 27, March 20, 1914, p. 38.

Allotype.—♀: Algonquin, Illinois, May 23, 1895 (W. A. Nason).

Family ORTALIDAE

Stenomyia nasoni Cresson

Ent. News, Vol. XXIV, No. 7, July, 1913, p. 320.

Paratype.—♂: Algonquin, Illinois, June 28, 1908 (W. A. Nason).

Family SEPSIDAE

Sepsis neocynipsea Melander and Spuler

Wash. Agr. Exp. Station, Bull. 143, April, 1917, p. 28.

Paratypes.—♀: Homer, Illinois, March 1, 1909.

Sepsis signifera var. *curvitibia* Melander and Spuler

Wash. Agr. Exp. Station, Bull. 143, April, 1917, p. 28.

Paratypes.—♂ and ♀: Algonquin, Illinois, May 3, 1894 (W. A. Nason); Mahomet, Illinois, October 25, 1913.

Family CHLOROPIDAE

Anthracophaga distichiae Malloch

Journ. Econ. Ent. Vol. 11, No. 4, August, 1918, p. 386.

Cotype.—♀: Long Beach, California, reared from bract-covered gall on *Distichlis apicata*. July 7, 1916 (E. Bethel).

Botanobia spispina Malloch

Bull. Brook. Ent. Soc., Vol. XIII, No. 5, December, 1918, p. 109.

Type.—♂: Urbana, Illinois, *in copula*, September 20, 1916 (J. R. Malloch).
Allotype.—♀: Urbana, Illinois, *in copula*, September 20, 1916 (J. R. Malloch).

Type and allotype mounted upon the same card point.

Botanobia hinkleyi Malloch

Can. Ent., Vol. XLVII, No. 1, January, 1915, p. 12.

Type.—♀: Dubois, Illinois, creek valley, by sweeping evergreens, April 24, 1914 (J. R. Malloch).

Paratypes.—♀: Dubois, Illinois, creek valley, by sweeping evergreens, April 24, 1914 (J. R. Malloch).

Botanobia spiniger Malloch

Bull. Brook. Ent. Soc., Vol. XIII, No. 5, December, 1918, p. 109.

Type.—♀: Urbana, Illinois, Augerville (Brownfield) woods, June 23, 1916 (J. R. Malloch).

Paratype.—♀: Meredosia, Illinois, August 20, 1917 (J. R. Malloch).

Chloropisca glabra var. *clypeata* Malloch

Can. Ent., Vol. XLVI, No. 4, April, 1914, p. 119.

Lectotype.—♀: Algonquin, Illinois, September 21, 1894 (W. A. Nason).

Lectoallotype.—♂: Urbana, Illinois, swept from *Catalpa*, June 21, 1888 (J. Marten). Acc. No. 14488.

Paratype.—♀: Urbana, Illinois, in woods, July 15, 1887 (C. A. Hart). Acc. No. 12915.

Subsequently raised to specific rank by Malloch.

Chloropisca obtusa Malloch

Can. Ent., Vol. XLVI, No. 4, April, 1914, p. 118.

Type.—♀: Champaign, Illinois, swept from grass, May 28, 1889 (J. Marten). Acc. No. 15013.

In fair condition.

Chloropisca parviceps Malloch

Proc. Ent. Soc. Wash., Vol. 17, No. 3, Sept. 18, 1915, p. 158.

Type.—♀: Monticello, Illinois, along Sangamon River, June 30, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♀: Mahomet, Illinois, along Sangamon River, August 6, 1914 (C. A. Hart and J. R. Malloch); Centerville [White Heath], Illinois, along Sangamon River, August 16, 1914 (C. A. Hart and J. R. Malloch).

Dasyopa pleuralis Malloch

Bull. Brook. Ent. Soc., Vol. XIII, No. 1, January, 1918, p. 20.

Lectotype.—♂: Meredosia, Illinois, in sand pit, August 19, 1917 (J. R. Malloch).

Lectoallotype.—♀: Meredosia, Illinois, in sand pit, August 19, 1917 (J. R. Malloch).

Paratypes.—♂ and ♀: Meredosia, Illinois, in sand pit, August 22, 1917 (J. R. Malloch); Bluffs, Illinois, August 19, 1917 (J. R. Malloch); Dubois, Illinois, August 9, 1917 (J. R. Malloch).

The genotype of *Dasyopa* Malloch (original designation and monobasic).

Gaurax apicalis Malloch

Proc. Ent. Soc. Wash., Vol. 17, No. 3, September 18, 1915, p. 160.

Type.—♀: Mahomet, Illinois, along Sangamon River, August 6, 1914 (J. R. Malloch).

Gaurax flavidulus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. XI, Art. IV, December, 1915, p. 361.

Type.—♂: Urbana, Illinois, on cypress limb, July 4, 1915 (J. R. Malloch).

Gaurax interruptus Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. XI, Art. IV, p. 363.

Type.—♀: Urbana, Illinois, on cypress tree, July 5, 1915 (J. R. Malloch).

Gaurax pallidipes Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. XI, Art. IV, December, 1915, p. 362.
Type.—♂: Urbana, Illinois, on cypress tree, July 4, 1915 (J. R. Malloch).

Gaurax splendidus Malloch

Proc. Ent. Soc. Wash., Vol. 17, No. 3, September 18, 1915, p. 161.
Type.—♂: White Heath, Illinois, along Sangamon River, May 30, 1915
(J. R. Malloch).

Lasiosina canadensis Aldrich

Can. Ent., Vol. L, No. 10, October, 1918, p. 337.
Paratypes.—♂ and ♀: Aweme, Manitoba, Canada, August 21, 1916 (N. Criddle); Treesbank, Manitoba, Canada, May 30, 1915.

Madiza (Siphonella) setulosa Malloch

Bull. Brook. Ent. Soc., Vol. XIII, No. 5, December, 1918, p. 110.
Type.—♀: Freeport, Illinois, July 4, 1917.
Lectotype.—Freeport, Illinois, July 2, 1917.
Paratypes.—♂ and ♀: Mahomet, Illinois, October 10, 1915; Urbana, Illinois, on window, June 17, 1915; Princeton, Illinois, June 24, 1915; Elizabeth, Illinois, July 7, 1917.

Meromyza flavipalpis Malloch

Can. Ent., Vol. XLVI, No. 4, April, 1914, p. 117.
Lectotype.—♂: Champaign, Illinois, along railroad, June 22, 1888 (J. Martin and C. A. Hart). Acc. No. 14504.
Paratype.—♂: Champaign, Illinois, along railroad, June 22, 1888 (J. Martin and C. A. Hart). Acc. No. 14504.
In fair condition. Gilbertson (So. Dakota Agr. Exp. Station, Bull. 217, November, 1925, p. 3) on the authority of Aldrich has sunk this species as a synonym of *Meromyza americana* Fitch.

Neogaurax fumipennis Malloch

Ent. News, Vol. XXVI, No. 2, March, 1915, p. 108.
Type.—♀: Muncie, Illinois, along Stony Creek, May 24, 1914 (E. H. Swigert).

Now placed in the genus *Pseudogaurax* Malloch.

Oscinis criddlei Aldrich

Can. Ent., Vol. L, No. 10, October, 1918, p. 341.
Paratypes.—♂ and ♀: Treesbank, Manitoba, Canada, July 23 and August 6, 1915 (N. Criddle); Aweme, Manitoba, Canada, August 1, 1916 (N. Criddle).

Oscinoides arpida Malloch

Bull. Brook. Ent. Soc., Vol. XI, No. 4, October, 1916, p. 87.
Type.—♀: Urbana, Illinois, forestry, June 1, 1916 (J. R. Malloch).
The genotype of *Oscinoides* Malloch (original designation and monobasic).

Oscinoides arpida var. *atra* Malloch

Bull. Brook. Ent. Soc., Vol. XIII, No. 1, January, 1918, p. 19.
Type.—♀: Dubois, Illinois, May 23, 1917 (J. R. Malloch).

Oscinoides arpida var. *elegans* Malloch

Bull. Brook. Ent. Soc., Vol. XIII, No. 1, January, 1918, p. 19.
Type.—♂: Freeport, Illinois, July 4, 1917 (J. R. Malloch).

Oscinoides arpida var. *humeralis* Malloch

Bull. Brook. Ent. Soc., Vol. XIII, No. 1, January, 1918, p. 19.
Type.—♀: Dubois, Illinois, May 22, 1917 (J. R. Malloch).

Family DROSOPHILIDAE

Amiota setigera Malloch

Bull. Brook. Ent. Soc., Vol. XIX, No. 2, April, 1924, p. 51.
Type.—♂: Savoy, Illinois, at sap on apple tree, May 23, 1916 (J. R. Malloch).

Allotype.—♀: White Heath, Illinois, August 12, 1920 (J. R. Malloch).
 Paratype D.—♀: White Heath, Illinois, August 12, 1920 (J. R. Malloch).
 Head of paratype is missing.

Phortica minor Malloch

Ent. News, Vol. XXXII, No. 10, December, 1921, p. 312.

Type.—♂: DuBois, Illinois, June 5, 1920 (J. R. Malloch).

Paratype.—♂: DuBois, Illinois, June 3, 1919 (J. R. Malloch).

Family GEOMYZIDAE

Aphaniosoma quadriplattatum Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. XI, Art. IV, December, 1915, p. 357.

Type.—♀: Urbana, Illinois, on window, June 9, 1915 (J. R. Malloch).

Paratypes.—♀: Urbana, Illinois, on window, June 15, 25, 29 and July 6, 1915 (J. R. Malloch).

Chyromya concolor Malloch

Proc. Ent. Soc. Wash., Vol. 16, No. 3, March, 1914, p. 181.

Lectotype.—♂: Monticello, Illinois, along Sangamon River, June 21, 1914 (C. A. Hart and J. R. Malloch).

Lectoallotype.—♀: Monticello, Illinois, along Sangamon River, June 21, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: Monticello, Illinois, along Sangamon River, June 28, 1914 (C. A. Hart and J. R. Malloch); Muncie, Illinois, along Stony Creek, May 24, 1914 (C. A. Hart and J. R. Malloch); Algonquin, Illinois, June 1 and 10, 1894 (W. A. Nason).

Chyromya nigrimana Malloch

Proc. Ent. Soc. Wash., Vol. 16, No. 3, March, 1914, p. 181.

Lectotype.—♂: Urbana, Illinois, fair grounds, along Salt Fork, May 20, 1914 (J. R. Malloch).

Lectoallotype.—♀: Urbana, Illinois, fair grounds, along Salt Fork, May 20, 1914 (J. R. Malloch).

Paratypes.—♂ and ♀: Urbana, Illinois, fair grounds, along Salt Fork, May 20, 1914 (J. R. Malloch); St. Joseph, Illinois, along Salt Fork, May 3 and 17, 1914 (J. R. Malloch).

Family AGROMYZIDAE

Agromyza albidoalterata Malloch

Psyche., Vol. XXIII, No. 2, April, 1916, p. 52.

Type.—♂: St. Joseph, Illinois, along Salt Fork, May 17, 1914 (C. A. Hart).

Agromyza angulicornis Malloch

Can. Ent., Vol. L, No. 3, March, 1918, p. 79.

Type.—♂: Waukegan, Illinois, on shore of Lake Michigan, August 25, 1917 (J. R. Malloch).

Agromyza aprilina Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. XI, Art. IV, December, 1915, p. 359.

Lectotype.—♀: Urbana, Illinois, cottonwood grove, April 16, 1915 (J. R. Malloch).

Lectoallotype.—♂: Urbana, Illinois, cottonwood grove, April 16, 1915 (J. R. Malloch).

Paratypes.—♀ and ♂: Urbana, Illinois, cottonwood grove, April 16 and 20, 1915 (J. R. Malloch).

Agromyza aristata Malloch

Can. Ent., Vol. XLVII, No. 1, January, 1915, p. 13.

Type.—♀: Havana, Illinois, Gleason's Sand Dune, April 30, 1914 (C. A. Hart and J. R. Malloch).

Allotype.—♂: Havana, Illinois, along river, April 30, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: St. Joseph, Illinois, along Salt Fork, May 3, 1914 (C. A. Hart and J. R. Malloch); Golconda, Illinois, along Ohio River, April 18, 1914 (C. A. Hart and J. R. Malloch).

Agromyza assimilis Malloch

Can. Ent., Vol. L, No. 3, March, 1918, p. 80.

Type.—♂: Waukegan, Illinois, on shore of Lake Michigan, August 25, 1917 (J. R. Malloch).

Agromyza citreifemorata Watt

Trans. New Zealand Inst., Vol. 54 (n. s.), December 14, 1923, p. 478.

Paratype.—♀: St. John's Hill Reserve, Wanganui, New Zealand, reared from mine in leaf of *Myoporum lactum* (M. N. Watt).

Agromyza deceptiva Malloch

Can. Ent., Vol. L, No. 3, March, 1918, p. 78.

Type.—♀: Alto Pass, Illinois, May 8, 1917 (J. R. Malloch).

Agromyza destructor Malloch

Proc. Ent. Soc. Wash., Vol. 18, No. 2, August 4, 1916, p. 93.

Lectotype.—♀: Los Banos, Philippine Islands (C. F. Baker).

Paratypes.—♀: Los Banos, Philippine Islands (C. F. Baker).

In fair condition.

Agromyza felti Malloch

Ent. News, Vol. XXV, No. 7, July 14, 1914, p. 310.

Paratypes.—♂: Hudson Falls, New York, reared from leaves of *Camptosorus rhizophyllus*, May 27, 1910.

Dr. E. P. Felt states in a letter that the type series contained fifteen specimens instead of seven as stated in original description.

Agromyza flavocentralis Watt

Trans. New Zealand Inst., Vol. 54 (n. s.), December 14, 1923, p. 474.

Paratype.—♀: Dunedin, New Zealand, Botanical gardens, reared from mine in leaf of *Veronica* (M. N. Watt).

Agromyza flavolateralis Watt

Trans. New Zealand Inst., Vol. 54 (n. s.), December 14, 1923, p. 471.

Paratype.—♂: Dunedin, New Zealand, Botanical gardens, reared from mine in leaf of *Melicytus ramiflorus* (M. N. Watt).

Agromyza flavopleura Watt

Trans. New Zealand Inst., Vol. 54 (n. s.), December 14, 1923, p. 481.

Paratype.—♂: Dunedin, New Zealand, Botanical gardens, reared from mine in leaf (M. N. Watt).

Agromyza flavopleura var. *casta* Watt

Trans. New Zealand Inst., Vol. 54 (n. s.), December 14, 1923, p. 482.

Paratype.—♂: Wellington, New Zealand, Botanical gardens, reared from mine in leaf of *Asplenium lucidum* (M. N. Watt).

Agromyza fumicosta Malloch

Ent. News., Vol. XXV, No. 7, July 14, 1914, p. 310.

Type.—♀: Normal, Illinois, swept from blue grass, May 3, 1884 (S. A. Forbes). Acc. No. 1525.

Specimen is wrongly recorded in original description as collected in 1894 instead of 1884.

Agromyza gibsoni Malloch

Proc. U. S. Nat. Mus., Vol. 49, No. 2097, July 24, 1915, p. 106.

Paratypes.—♀ and ♂: Tempe, Arizona, reared from alfalfa, Webster No. 12239 (E. H. Gibson).

Agromyza indecora Malloch

Can. Ent., Vol. L, No. 4, April, 1918, p. 132.

Lectotype.—♂: White Heath, Illinois, June 24, 1916 (J. R. Malloch).

Lectoallotype.—♀: White Heath, Illinois, June 24, 1916 (J. R. Malloch).

Paratypes.—♂ and ♀: White Heath, Illinois, June 24, 1916, and June 29, 1917 (J. R. Malloch).

Agromyza infumata Malloch

Can. Ent., Vol. XLVII, No. 1, January, 1915, p. 15.

Type.—♂: Dubois, Illinois, creek valley in woods, April 24, 1914 (C. A. Hart and J. R. Malloch).

Specific name subsequently changed by Malloch (1915) to *subinfumata* because *infumata* is a primary homonym of *infumata* Strobl and Zerny. Hendel proposed the new name *fumosa* for this species in 1923, apparently overlooking the prior change by Malloch in 1915.

Agromyza nigrisquama Malloch

Psyche, Vol. XXIII, No. 2, April, 1916, p. 53.

Type.—♀: Monticello, Illinois, along bank of Sangamon River, June 28, 1914 (J. R. Malloch).

Hendel (1923) has proposed the new name of *calyptrata* for this species because *nigrisquama* Malloch is a primary homonym.

Agromyza pleuralis Malloch

Ent. News, Vol. XXV, No. 7, July 14, 1914, p. 311.

Type.—♀: Urbana, Illinois, University grounds, swept from catalpa, June 21, 1888 (J. Marten). Acc. No. 14488.

In original description the year is wrongly given as 1898 instead of 1888.

Agromyza riparia Malloch

Proc. U. S. Nat. Mus., Vol. 49, No. 2097, July 24, 1915, p. 105.

Lectotype.—♂: Urbana, Illinois, near Salt Fork, July 4, 1914 (C. A. Hart and J. R. Malloch).

Lectoallotype.—♀: Urbana, Illinois, near Salt Fork, July 4, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: Urbana, Illinois, near Salt Fork, July 4, 1914 (C. A. Hart and J. R. Malloch); Algonquin, Illinois, June 19, 1894, July 25, 1895, September 15, 1895, October 3, 1895 (W. A. Nason); St. Joseph, Illinois, along Salt Fork, May 10, 1914 (C. A. Hart and J. R. Malloch). Hendel (1923) has proposed the new name of *riparia* for this species because *riparia* Malloch is a primary homonym.

Agromyza similata Malloch

Can. Ent., Vol. L, No. 5, May, 1918, p. 178.

Type.—♂: Dubois, Illinois, May 24, 1917 (J. R. Malloch).

Agromyza subangulata Malloch

Psyche, Vol. XXIII, No. 2, April, 1916, p. 51.

Type.—♂: St. Joseph, Illinois, along Salt Fork, May 3, 1914 (C. A. Hart and J. R. Malloch).

Agromyza subvirens Malloch

Proc. U. S. Nat. Mus., Vol. 49, No. 2097, July 24, 1915, p. 105.

Lectotype.—♀: St. Joseph, Illinois, along Salt Fork, May 17, 1914 (C. A. Hart and J. R. Malloch).

Lectoallotype.—♂: St. Joseph, Illinois, along Salt Fork, May 17, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♀: St. Joseph, Illinois, along Salt Fork, May 17, 1914 (C. A. Hart and J. R. Malloch); Algonquin, Illinois, May 17, 1894 (W. A. Nason).

Agromyza umbrina Watt

Trans. New Zealand Inst., Vol. 54 (n. s.), December 14, 1923, p. 467.

Paratypes.—♂: Dunedin, New Zealand, Botanical gardens, reared from mine in leaf of *Veronica* (M. N. Watt).

Agromyza youngi Malloch

Ent. News, Vol. XXV, No. 7, July 14, 1914, p. 312.

Paratypes.—♂: Albany, New York, reared from *Taraxacum densileonis* (D. B. Young).

Sunk as a synonym of *Agromyza nasuta* Malloch by Malloch (1924).

Leucopis americana Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. XIV, January 1921, p. 354.

Type.—♂: Urbana, Illinois, reared from larva found feeding on aphids on *Spirca vanhouttei*, June, 1917 (J. R. Malloch.) Acc. No. 46568.

Allotype.—♀: Urbana, Illinois, reared from larva found feeding on aphids on *Spirca vanhouttei*, June 1917 (J. R. Malloch.) Acc. No. 46568.

Paratypes.—♀: Urbana, Illinois, reared from larvae found feeding on aphids on *Spiraea vanhouttei*, June 1917 (J. R. Malloch). Acc. No. 46568. The head of one paratype is missing. Puparium from which type emerged is on card point mount.

Leucopis major Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. XIV, January, 1921, p. 352.

Type.—♀: St. Joseph, Illinois, along Salt Fork, May 3, 1914 (J. R. Malloch).

Paratypes.—♀: St. Joseph, Illinois, along Salt Fork, May 3, 1914 (J. R. Malloch).

In the original description the allotype is mentioned and the hypopygium figured, but the specimen was not found. An empty vial containing the label "Leucopis major Malloch Allotype" in Malloch's handwriting was found which indicates specimen was dissected and is now lost.

Leucopis minor Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. XIV, January, 1921, p. 354.

Type.—♂: Dubois, Illinois, August 9, 1917 (J. R. Malloch).

Leucopis orbitalis Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. XIV, January, 1921, p. 352.

Type.—♀: Dundee, Illinois, reared by J. R. Malloch from pine twig infested with *Kermes*, June 7, 1916 (McMillan). Acc. No. 46343.

Paratypes.—♀: Dundee, Illinois, reared by J. R. Malloch from pine twig infested with *Kermes*, June 7, 1916, (McMillan). Acc. No. 46343.

Leucopis parallela Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. XIV, January 1921, p. 353.

Type.—♀: Muncie, Illinois, along Stony Creek, July 5, 1914 (J. R. Malloch).

Leucopis pemphigae Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. XIV, January, 1921, p. 350.

Type.—♂: Carbondale, Illinois, reared July 15, 1909, from larva from *Pemphigus* gall collected on July 6, 1909. Acc. No. 42313.

Allotype.—♀: Carbondale, Illinois, reared July 15, 1909, from larva from *Pemphigus* gall collected on July 6, 1909. Acc. No. 42313.

Paratypes.—♀: Carbondale, Illinois, reared July 15 and 27, 1909, from larvae from *Pemphigus* gall collected on July 6, 1909. Acc. Nos. 42313 and 42344.

Two female paratypes in poor condition.

Leucopis piniperda Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. XIV, January, 1921, p. 351.

Type.—♂: Urbana, Illinois, in university forestry, April 29, 1916 (J. R. Malloch).

Allotype.—♀: Urbana, Illinois, on tree trunk, July 5, 1915 (J. R. Malloch).

Two legs of type are missing and allotype is in very poor condition.

Leucopomyia pulvinariae Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. XIV, January, 1921, p. 356.

Paratypes.—♂ and ♀: Shushan, New York, reared from larvae found feeding on the *Pulvinaria vitis* Linnaeus, July 6, 1916, No. a2076. New York State College; Chicago, Illinois, from *Pulvinaria*, Spring, 1907; Algonquin, Illinois, July 4, 1894 (W. A. Nason).

The paratype from Algonquin is in alcohol in a vial. In the original description the year of the Algonquin specimen is wrongly given as 1892 instead of 1894. The genotype of *Leucopomyia* Malloch (original designation and monobasic).

Limnoagromyza diantherae Malloch

Bull. Brook. Ent. Soc., Vol. XV, No. 5, December, 1920, p. 147.

Type.—♀ Muncie, Illinois, August 15, 1917 (T. H. Frison and J. R. Malloch).

Allotype.—♂: Lafayette, Indiana, June 11, 1915 (J. M. Aldrich).

Paratypes.—♂ and ♀: Muncie, Illinois, August 15, 1917 (T. H. Frison and J. R. Malloch); Lafayette, Indiana, June 11 and 18, 1915, and June 2, 1917 (J. M. Aldrich); Urbana, Illinois, along Salt Fork, July 11, 1898 (C. A. Hart). Acc. No. 24491.

In the original description one paratype is listed as accession number 24401. This should be accession number 24491 and recovery of missing accession catalogue permits data to be given here. The genotype of *Limnoagromyza* Malloch (original designation and monobasic).

Meoneura nigrifrons Malloch

Proc. Biol. Soc. Wash., Vol. 28, March 12, 1915, p. 47.

Type.—♂: Urbana, Illinois, on window, September 6, 1914 (J. R. Malloch).

Allotype.—♀: Urbana, Illinois, on window, September 6, 1914 (J. R. Malloch).

Neoleucopis pinicola Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. XIV, January 1921, p. 357.

Type.—♂: Stratford, Illinois, taken on pine tree and probably predaceous on aphids, June 22, 1917 (J. R. Malloch).

Allotype.—♀: Urbana, Illinois, on pine, May 23, 1885. Acc. No. 5690.

Paratypes.—♂: Stratford, Illinois, taken on pine trees and probably predaceous on aphids, June 22, 1917 (J. R. Malloch); Urbana, Illinois, on pine tree, July 31, 1916 (J. R. Malloch).

The genotype of *Neoleucopis* Malloch (original designation and monobasic).

Pseudodinia polita Malloch

Proc. U. S. Nat. Mus., Vol. 49, No. 2101, July 16, 1915, p. 152.

Lectotype.—♀: Centerville [White Heath], Illinois, along Sangamon River, August 16, 1914 (C. A. Hart and J. R. Malloch).

Lectoallotype.—♂: Centerville [White Heath], Illinois, along Sangamon River, August 16, 1914 (C. A. Hart and J. R. Malloch).

Paratypes.—♀: Centerville [White Heath], Illinois, along Sangamon River, August 16, 1914 (C. A. Hart and J. R. Malloch); Urbana, Illinois, August 30, 1914 (J. R. Malloch).

In the original description the date of August 17 is erroneously given instead of August 16, and September 30 should be August 30.

Family ANTHOMYIIDAE

Allognotha semivitta Malloch

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 282.

Type.—♂: Meredosia, Illinois, sand regions, August 19, 1917 (C. A. Hart and J. R. Malloch).

Lectoallotype.—♀: Meredosia, Illinois, sand regions, May 29, 1917 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: Meredosia, Illinois, sand regions, August 19, 1917 (C. A. Hart and J. R. Malloch); Havana, Illinois, sand regions, August 30-31, 1917 (C. A. Hart and J. R. Malloch); Northern Illinois.

Anthomyia dorsimaculata Van der Wulp

Biol. Centrali-Americanica, Insecta-Diptera, Vol. II, May, 1903, p. 336.

Cotype.—♂: Omilteme, Guerrero, Mexico, 8000 feet elevation, July (H. H. Smith).

Malloch (1921) has transferred this species to the genus *Pegomyia* R.—Desvoidy.

Aricia bicolorata Malloch

Proc. Calif. Acad. Sc., Vol. IX (Fourth Ser.), No. 7, August 26, 1919, p. 253.

Paratype.—♀: Washington State (T. Kincaid).

In fair condition.

Aricia latifrontata Malloch

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 270.

Paratypes.—♂: Beulah, New Mexico, top of range, June 28, 1902; Bozeman, Montana, June 20, 1906.

Aricia poeciloptera Malloch

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 271.

Paratype.—♀: Cloudcroft, New Mexico, May 23, 1902.

Specific name subsequently changed by Malloch (1920) to *neopoeciloptera* and transferred to the genus *Holina* R.—Desvoidy.

Ariciella flavicornis Malloch

Proc. Biol. Soc. Wash., Vol. 31, June 29, 1918, p. 66.

Type.—♂: Brownsville, Texas, November 22, 1910 (C. A. Hart).

Subsequently synonymized by Malloch (1921) as *Ariciella rubripalpis* (V. D. Wulp) Malloch. The genotype of *Ariciella* Malloch (original designation and monobasic).

Bigotomyia californiensis Malloch

Trans. Amer. Ent. Soc., Vol. XLVIII, June 12, 1923, p. 236.

Paratypes.—♂ and ♀: San Antonio Canyon, Ontario, California, July 25, 1907 (J. S. Hine).

Charadrella macrosoma Van der Wulp

Biol. Centrali-Americanica, Insecta-Diptera, Vol. II, May, 1903, p. 341.

Cotypes.—♂ and ♀: Northern Yucatán, Mexico (Gaumer).

Clinopera hieroglyphica Van der Wulp

Biol. Centrali-Americanica, Insecta-Diptera, Vol. II, May, 1903, p. 307.

Cotype.—♂: Teapa, Tabasco, Mexico, January (H. H. Smith).

The genotype of *Clinopera* Van der Wulp (designated by Coquillett, 1910).

Coenosia aliena Malloch

Ent. News, Vol. XXXII, No. 5, May, 1921, p. 134.

Type.—♀: Gallatin County, Montana, August 23, 1917.

Date of capture is erroneously given as August 22 in original description.

Coenosia anthracina Malloch

Ent. News, Vol. XXXII, No. 5, May, 1921, p. 134.

Type.—♀: Gallatin County, Montana, elevation 5400 feet, August 15, 1912.

Coenosia ciliacauda Malloch

Ent. News, Vol. XXXI, No. 4, April, 1920, p. 103.

Paratypes.—♂ and ♀: Huntley, Montana, July 23, 1917; Bozeman, Montana, Montana Experiment Station, July 7, 1917.

Subsequently transferred to the genus *Macrococnosia* Malloch by Malloch.

Coenosia denticornis Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 164.

Type.—♀: Saskatchewan, Canada, Farewell Creek, July, 1907.

Coenosia femoralis Van der Wulp

Biol. Centrali-Americanica, Insecta-Diptera, Vol. II, May, 1903, p. 345.

Cotype.—♀: Orizaba, Mexico, December, 1887 (H. H. Smith and F. D. Godman).

In fair condition. This species is now considered (Malloch, 1921) as a synonym of *Bithoracochaeta leucoprocta* Wied.

Coenosia fraterna Malloch

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 282.

Paratypes.—♀: Blitzen River, Oregon, July 6, 1906.

Coenosia frisoni Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 165.

Type.—♂: Urbana, Illinois, University Woods (formerly Cottonwood Grove), July 20, 1917 (J. R. Malloch).

Coenosia laricata Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 166.

Type.—♀: Cedar Lake, Lake County, Illinois, in a tamarack grove, August 4, 1906.

Coenosia macrocera Van der Wulp

Biol. Centrali-Americanica, Insecta-Diptera, Vol. II, May, 1903, p. 344.

Cotype.—♀: Sierra de las Aguas Escondidas, Guerrero, Mexico, 9500 feet elevation, July (H. H. Smith).

Coenosia punctulata Van der Wulp

Biol. Centrali-Americanica, Insecta-Diptera, Vol. II, May, 1903, p. 343.

Cotype.—♀: Omiteme, Guerrero, Mexico, 8000 feet elevation, July (H. H. Smith).

Emmesomyia apicalis Malloch

Bull. Brook. Ent. Soc., Vol. XII, No. 5, December, 1917, p. 115.

Type.—♀: Duhois, Illinois, May 23, 1917 (J. R. Malloch).

Allotype.—♂: White Heath, Illinois, June 3, 1917 (J. R. Malloch).

Paratypes.—♀: Savanna, Illinois, June 13, 1917 (J. R. Malloch); Dongola, Illinois, May 12, 1917 (J. R. Malloch).

In the original description the paratype from Savanna is erroneously recorded as collected on June 3 instead of June 13.

Emmesomyia unica Malloch

Bull. Brook. Ent. Soc., Vol. XII, No. 5, December, 1917, p. 114.

Type.—♀: Savoy, Illinois, May 23, 1916 (J. R. Malloch).

Paratypes.—♀: Algonquin, Illinois, June 12, 1897 (W. A. Nason); Homer, Illinois, Homer Park, June 17, 1917 (J. R. Malloch).

The genotype of *Emmesomyia* Malloch (original designation).

Eremomyioides fuscipes Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 182.

Type.—♂: Urbana, Illinois, Augerville Woods (Brownfield Woods), March. Allotype.—♀: Urbana, Illinois, Augerville Woods (Brownfield Woods), March 17, 1918 (T. H. Frison).

Paratypes.—♂: Urbana, Illinois, Augerville Woods (Brownfield Woods), March 5, 16-18, 1918 (T. H. Frison and J. R. Malloch); Homer, Illinois, March 21, 1909.

Date of capture of type male erroneously given as March 11 in original description.

Eremomyioides similis Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 183.

Type.—♀: Tuscola, Illinois, March 29, 1918 (J. R. Malloch).

Allotype.—♂: Urbana, Illinois, Cottonwood Grove (University Woods), April 16, 1915 (J. R. Malloch).

Paratypes.—♀: Tuscola, Illinois, March 29, 1918 (J. R. Malloch); Dane County, Wisconsin, April 10, 1900 (W. S. Marshall).

Eulimnophora cilifera Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 145.

Type.—♂: Waukegan, Illinois, August 24, 1917 (J. R. Malloch).

Allotype.—♀: Algonquin, Illinois, October 2, 1895 (W. A. Nason).

Paratypes.—♂ and ♀: Waukegan, Illinois, August 24, 1917 (J. R. Malloch); Urbana, Illinois, University forestry, October 22, 1916 (W. A. Nason); Algonquin, Illinois, September 3, 1894 (W. A. Nason). One male paratype with no data.

Eulimnophora dorsovittata Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 146.

Type.—♀: Kingston, West Indies, April, 1891 (C. W. Johnson).

Fannia canadensis Malloch

Ann. Mag. Nat. Hist., Vol. XIII (Ninth Ser.), No. 76, April 1924, p. 423.
Type.—♂: Gold Rock, Ontario, Canada, Rainy River District, July 21, 1905 (H. H. Newcomb).

Fannia latifrons Malloch

Bull. Ill. State Lab. Nat. Hist., Vol. X, Art. IV, June, 1914, p. 240.
Type.—♂: Elliott, Illinois, July 10, 1906 (E. O. G. Kelley).

Fannia lasiops Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 169.

Type.—♂: Urbana, Illinois, Augerville (Brownfield) Woods, March 30, 1918 (J. R. Malloch).

Fannia spathiphora Malloch

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 294.
Type.—♀: Gold Rock, Ontario, Canada, Rainy River District, July 21, 1905 (H. H. Newcomb).

Paratype.—♀: Ontario, Canada, Gold Rock, Rainy River District, July 21, 1905 (H. H. Newcomb).

Fannia trianguligera Malloch

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 292.

Paratypes.—♂: Alamogordo, New Mexico, May 7, 1902.

Hebecnema affinis Malloch

Can. Ent., Vol. LIII, No. 9, September, 1921, p. 214.

Paratypes.—♂ and ♀: Mt. Greylock, Massachusetts, June 15, 1906; Bar Harbor, Maine, July 30, 1919.

Helina algonquina Malloch

Bull. Brook. Ent. Soc., Vol. XVII, No. 3, June, 1922, p. 96.

Type.—♂: Algonquin, Illinois, May 20, 1908 (W. A. Nason).

Helina bispinosa Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 142.

Type.—♂: Waukegan, Illinois, August 24, 1917 (J. R. Malloch).

Helina consimilata Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 144.

Type.—♂: New Bedford, Massachusetts (Hough).

Helina johnsoni Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 141.

Paratypes.—♂ and ♀: Provincetown, Massachusetts, June 29, 1891; Auburndale, Massachusetts, June 16 (C. W. Johnson).

Helina linearis Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 139.

Type.—♂: Bozeman, Montana, elevation 4800 feet, July 7, 1902.

Left wing is missing.

Helina mimetica Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 142.

Paratype.—♀: Glen House, New Hampshire, June 14, 1916.

Helina nasoni Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 138.

Type.—♂: Algonquin, Illinois, August 16, 1895 (W. A. Nason).

Helina nigribasis Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 143.

Type.—♂: Dongola, Illinois, May 12, 1917 (C. A. Hart and J. R. Malloch).

Allotype.—♀: Dongola, Illinois, May 12, 1917 (C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: Dongola, Illinois, May 12, 1916, May 9, 10 and 12, 1917 (C. A. Hart and J. R. Malloch); Dubois, Illinois, May 24, 1917 (C. A. Hart and J. R. Malloch); Carlinville, Illinois, May 18 (C. Robertson).

Helina nigrita Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 139.

Type.—♂: Monida, Montana, July 27, 1913.

Helina spinilamellata Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 140.

Type.—♂: Bozeman, Montana, July 17, 1916.

Helina tuberculata Malloch

Can. Ent., Vol. Ll, No. 12, December, 1919, p. 277.

Type.—♂: Rigolet, Labrador, July 18, 1906.

Allotype.—♀: Alberta, Canada, Lake Louise, July 15, 1908 (C. S. Minot).

Hydromphoria collaris Van der Wulp

Biol. Centrali-Americanana, Insecta-Diptera, Vol. II, May, 1903, p. 333.

Cotype.—♀: Omilteme, Guerrero, Mexico, 8000 feet elevation, July (H. H. Smith).

Malloch (1921) has transferred this species to the genus *Pegomyia* R.—Desvoidy.

Hydromphoria flavipalpis Van der Wulp

Biol. Centrali-Americanana, Insecta-Diptera, Vol. II, May, 1903, p. 334.

Cotype.—♂: Sierra de las Aguas Escondidas, Guerrero, Mexico, 7000 feet elevation, July (H. H. Smith).

Malloch (1921) has transferred this species to the genus *Emmesomyia* Malloch.

Hydromphoria nigerrima Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 169.

Paratypes.—♂ and ♀: Mt. Rainier, Washington, on snow, 7000-9000 feet elevation, August, 1917 (A. L. Melander); Mt. Rainier, Washington, Paradise Park, August, 1917 (A. L. Melander); Mt. Rixford, California, on snow, 12000 feet elevation, August 12, 1914 (R. L. B.).

Hydromphoria polita Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 170.

Type.—♂: Bozeman (Copperopolis), Montana, elevation 5400 feet, July 23, 1902 (J. M. Aldrich).

Allotype.—♀: Bozeman (Copperopolis), Montana, 5400 feet elevation, July 23, 1902 (J. M. Aldrich).

Paratype.—♂: Wells, Nevada, July 12, 1911 (J. M. Aldrich).

Nothing remains of paratype but part of thorax and wings.

Hydromphoria proxima Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 171.

Paratype.—Princeton, Maine, July 12, 1909 (C. W. Johnson).

Hydromphoria subpellucida Malloch

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 296.

Paratypes.—♂ and ♀: Alamogordo, New Mexico, June 30 and May 15, 1902.

Hydromphoria transversalis Van der Wulp

Biol. Centrali-Americanana, Insecta-Diptera, Vol. II, May, 1903, p. 334.

Cotypes.—♂ and ♀: Sierra de las Aguas Escondidas, Guerrero, Mexico, 7000 feet elevation, July (H. H. Smith); Omilteme, Guerrero, Mexico, 8000 feet elevation, July (H. H. Smith).

In poor condition. Stein has sunk this species as a synonym of *pictipes* Bigot and placed it in the genus *Taeniomyia* Stein. Malloch (1921) considers that this species belongs in the genus *Pegomyia* R.—Desvoidy.

***Hydrophoria uniformis* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 297.

Type.—♂: Dubois, Illinois, May 25, 1917.

Lectoallotype.—♀: Dubois, Illinois, May 23, 1917.

Paratypes.—♂ and ♀: Urbana, Illinois, April 5-7, 1909; Savoy, Illinois, March 26, 1917.

***Hydrotaea cristata* Malloch**

Bull. Brook. Ent. Soc., Vol. XIII, No. 4, October, 1918, p. 94.

Type.—♂: New Bedford, Massachusetts.

***Hydrotaea houghi* Malloch**

Bull. Brook. Ent. Soc., Vol. XI, No. 5, December, 1916, p. 110.

Lectotype.—♂: Homer, Illinois, April 24, 1909.

Lectoallotype.—♀: Homer, Illinois, April 24, 1909.

Paratypes.—♂ and ♀: Claremont, New Hampshire, October 16, 1915; London, Ontario, Canada, 1896; Opelousas, Louisiana, March, 1897; Urbana, Illinois, June 20, 1888, (J. Marten); Urbana, Illinois, April 5-30, 1909; Tifton, Georgia, October 16, 1896; Algonquin, Illinois, June 10, 1895 and April 24, 1897 (W. A. Nason). Acc. No. 14488.

***Hylemyia augustiventris* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 315.

Paratype.—♂: Cludcroft, New Mexico, June 16, 1902.

In fair condition.

***Hylemyia attenuata* Malloch**

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 188.

Type.—♂: Claremont, California (Baker).

***Hylemyia bicaudata* Malloch**

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 193.

Type.—♂: Grand Tower, Illinois, along Mississippi River, April 21, 1914 (J. R. Malloch).

Paratypes.—♂: Grand Tower, Illinois, along Mississippi River, April 21, 1914 (J. R. Malloch); Algonquin, Illinois.

***Hylemyia bicruciatata* Malloch**

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 190.

Type.—♂: Great Caribou Island, Labrador, July 27, 1906.

***Hylemyia brevitarsis* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 309.

Paratypes.—♂: Lagunitas Canon, Marin County, California, March 29, 1908.

***Hylemyia cilifera* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 311.

Type.—♂: Gallatin County, Montana, June 13, 1917.

***Hylemyia curvipes* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 316.

Type.—♂: Grand Tower, Illinois, along river, April 21, 1914.

Paratypes.—♂: Grand Tower, Illinois, Big Muddy River, April 22, 1914; Lafayette, Indiana, May 1, 1918.

***Hylemyia duplicata* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 308.

Paratypes.—♂ and ♀: Berkeley Hills, Alameda County, California, April 20, 1908.

Hypopygium and armature of fifth abdominal segment of another paratype without data preserved in alcohol.

***Hylemyia extremitata* Malloch**

Proc. Calif. Acad. Sc., Vol. IX, No. 11 (4th Ser.), December, 23, 1919, p. 309.

Type.—♂: Gallatin County, Montana, 5500 feet elevation, July 19, 1911.

***Hylemyia gracilipes* Malloch**

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 187.

Type.—♂: Lima, Montana, July 1, 1913.

Paratypes.—♂: Lima, Montana, July 1, 1913.

***Hylemyia inaequalis* Malloch**

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 190.

Type.—♂: Oregon, Illinois, June 19, 1917 (J. R. Malloch).

Paratype.—♂: Oregon, Illinois, June 20, 1917 (J. R. Malloch).

***Hylemyia innocua* Malloch**

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 186.

Type.—♂: New Bedford, Massachusetts (Hough).

Allotype.—♀: New Bedford, Massachusetts (Hough).

Paratypes.—♂ and ♀: New Bedford, Massachusetts (Hough).

***Hylemyia marginella* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 311.

Type.—♂: Tennessee Pass, Colorado, July 24, 1917 (J. M. Aldrich).

Paratype.—♂: Beulah, New Mexico, top of Las Vegas Range, June 28, 1902.

Hypopygium and fifth abdominal sternite only of another paratype male preserved in alcohol.

***Hylemyia montana* Malloch**

Proc. Biol. Soc. Wash., Vol. 32, June 27, 1919, p. 134.

Paratypes.—♂: Denver, Colorado, July 19, 1914 (O. E. Jackson); Crow Agency, Montana, July 10, 1916 (R. Kellogg); Armstead, Montana, July 3, 1913; Bozeman, Montana, July 10 and 15, 1912.

Hypopygium and fifth abdominal sternite of one paratype preserved in alcohol.

***Hylemyia normalis* Malloch**

Proc. Calif. Acad. Sc., Vol. IX, No. 11 (4th Ser.), December 23, 1919, p. 309.

Type.—♂: Armstead, Montana, July 3, 1913.

Paratypes.—♂: Lima, Montana, July 1, 1913; Dillon, Montana, July 5, 1913; Powderville, Montana, July 6, 1916; Musselshell, Montana, July 30, 1917.

***Hylemyia occidentalis* Malloch**

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 191.

Type.—♂: Washington, April 4, 1893 (T. Kincaid).

Paratypes.—♂: Washington, April 12, 19 and 20, 1893 (T. Kincaid).

***Hylemyia pedestris* Malloch**

Can. Ent., Vol. LI, No. 12, December, 1919, p. 274.

Paratype.—♂: Godbout, Quebec, Canada, July 25, 1918 (E. M. Walker).

***Hylemyia piloseta* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 313.

Type.—♂: Corvallis, Oregon, April 26, 1908 (L. Hill).

Paratype.—♂: Mary's River, Oregon (Webster).

Hypopygium and armature of fifth abdominal sternite are preserved in alcohol.

***Hylemyia pluvialis* Malloch**

Can. Ent., Vol. L, No. 9, September, 1918, p. 310.

Type.—♂: Gold Rock, Ontario, Canada, Rainy River District, July 21 (H. H. Newcomb).

***Hylemyia recurva* Malloch**

Proc. Calif. Acad. Sc., Vol. IX, (4th Ser.), December 23, 1919, p. 308.

Paratypes.—♂: Huntington Lake, Fresno County, California, 7000 feet elevation, July 10-27, 1919 (F. C. Clark).

***Hylemyia setifer* Malloch**

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 192.

Paratypes.—♂: Gallatin County, Montana, July 24, 1917; Bozeman, Montana, July 23, 1914; Tennessee Pass, Colorado, July 23, 1917 (J. M. Aldrich); Hot Springs, Montana, July 3, 1917.

Hylemyia spinilamellata Malloch

Trans. Amer. Ent. Soc., Vol. XLIV, October 12, 1918, p. 312.

Type.—♂: Silver Lake, Utah, July 10.

Lectoallotype.—♀: Beulah, New Mexico, top of Las Vegas Range, June 28, 1902.

The name of *Hylemyia spinidens* was subsequently proposed for this species by Malloch (1920) because *spinilamellata* was preoccupied. Hypopygium and armature of fifth abdominal sternite of type preserved in alcohol.

Hylemyia substriatella Malloch

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 309.

Type.—♂: Falls Church, Virginia, October 14, 1913 (C. T. Greene).

Hypopygium and armature of fifth abdominal segment of male preserved in alcohol.

Hylemyia tridens Malloch

Ocio Journ. Sc., Vol. XX, No. 7, May, 1920, p. 284.

Paratype.—♂: Savonoski, Naknek Lake, Alaska, August, 1919 (J. S. Hine).

Leucomelina deleta Van der Wulp

Biol. Centrali-Americana, Insecta-Diptera, Vol. II, May, 1903, p. 329.

Cotype.—♂: Omilteme, Guerrero, Mexico, 8000 feet elevation, July (H. H. Smith).

Malloch (1921) has transferred this species to the genus *Limnophora* R.—Desvoidy.

Leucomelina minuscula Van der Wulp

Biol. Centrali-Americana, Insecta-Diptera, Vol. II, May, 1903, p. 330.

Cotype.—♀: Otoyac, Vera Cruz, Mexico, April (H. H. Smith).

In poor condition. Malloch (1921) indicates but does not definitely state that this species belongs to the genus *Limnophora* R.—Desvoidy.

Limnophora angulata Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 151.

Paratypes.—♀: West Coast of Greenland, 1891 (Mengel and Hughes on the Peary Expedition).

Limnophora acuticornis Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 147.

Paratype.—♀: Swarthmore, Pennsylvania, July, 1908.

Limnophora clivicola Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 155.

Type.—♂: Makanda, Illinois, resting on stone, June 4, 1919 (C. P. Alexander and J. R. Malloch).

Allotype.—♀: Makanda, Illinois, resting on stone, July 5, 1919 (C. P. Alexander and J. R. Malloch).

Paratype.—♂: Makanda, Illinois, resting on stone, July 5, 1919 (C. P. Alexander and J. R. Malloch).

Limnophora extensa Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 150.

Paratypes.—♂ and ♀: West Coast of Greenland, 1891 (Mengel and Hughes on the Peary Expedition).

Male in poor condition.

Limnophora obsoleta Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 150.

Paratypes.—♂ and ♀: West Coast of Greenland, 1891 (Mengel and Hughes on the Peary Expedition).

Limnophora pearyi Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 151.

Paratype.—♂: West Coast of Greenland, 1891 (Mengel and Hughes on the Peary Expedition).

In fair condition.

Limnophora socia Van der Wulp

Biol. Centrali-Americanana, Insecta-Diptera, Vol. II, May, 1903, p. 326.

Cotype.—♀: Omilteme, Guerrero, Mexico, 8000 feet elevation, July (H. H. Smith).

Malloch (1921) has transferred this species to the genus *Helina* R.—Desvoidy.

Limnophora tetrachaeta Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 153.

Type.—♂: Blitzen River, Oregon, July 6, 1906.

Paratype.—♂: Blitzen River, Oregon, July 6, 1906.

Hypopygium and fifth abdominal sternite of paratype are preserved in alcohol.

Macrophorbia houghi Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 173.

Type.—♀: New Bedford, Massachusetts, May 10, 1896 (Hough).

Paratype.—♂: Sherborn, Massachusetts, April 30, 1912.

The genotype of *Macrophorbia* Malloch (original designation and monobasic).

Melanochelia angulata Malloch

Can. Ent., Vol. LIII, No. 3, March, 1921, p. 63.

Lectotype.—♂: Umanak, Greenland, July 14, 1914 (M. C. Tanquary).

Lectoallotype.—♀: Umanak, Greenland, July 28, 1914 (M. C. Tanquary and W. E. Ekblaw).

Paratype.—♀: Umanak, Greenland, August 4, 1914 (M. C. Tanquary).

The data associated with these types is here published for the first time, the species being described in a key without mention of locality or date of capture.

Melanochelia imitatrix Malloch

Can. Ent., Vol. LIII, No. 3, March, 1921, p. 64.

Type.—♂: Nain, Labrador, August 18.

Muscina tripunctata Van der Wulp

Biol. Centrali-Americanana, Insecta-Diptera, Vol. II, May, 1903, p. 305.

Cotype.—♂: Northern Yucatan, Mexico (Gaumer).

According to Malloch this species belongs to the genus *Neomuscina* Townsend.

Mydaea armata Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 135.

Type.—♀: Gallatin County, Montana, 8000 feet elevation, July 12, 1900 (E. Koch).

Mydaea brevipilosa Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 135.

Type.—♂: Algonquin, Illinois, July 2, 1904 (W. A. Nason).

Paratype.—♂: Savanna, Illinois, June 13, 1917 (J. R. Malloch).

The type is erroneously stated to be a female in the original description.

Mydaea concinna Van der Wulp

Biol. Centrali-Americanana, Insecta-Diptera, Vol. II, May, 1903, p. 317.

Cotype.—♀: Xucumanatlan, Guerrero, Mexico, July, 7000 feet elevation (H. H. Smith).

Malloch (1921) has erected the new genus *Smithomyia* for this species.

The genotype of *Smithomyia* Malloch (monobasic).

***Mydaea discimana* Malloch**

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 136.

Type.—♀: New Bedford, Massachusetts (Hough).

***Mydaea neglecta* Malloch**

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 136.

Type.—♂: Ramsey, New Jersey, June 5, 1916.

Allotype.—♀: New Bedford, Massachusetts, August 30, 1896 (Hough).

Paratypes.—♂ and ♀: Plummer's Island, Maryland, May 10, 1916 (W. L. McAtee); Ramsey, New Jersey, June 5, 1916; North Mountain, Pennsylvania, September 1; Falls Church, Virginia, June 28, 1912 (C. T. Greene); Rowayton, Connecticut, June 16, 1909; Broad Top, Texas; New Bedford, Massachusetts, August 30, 1896 (Hough); Chester, Massachusetts, July 25, 1913.

***Mydaea obscura* Van der Wulp**

Biol. Centrali-Americanica, Insecta-Diptera, Vol. II, May, 1903, p. 317.

Cotype.—♂: Northern Yucatan, Mexico (Gaumer).

Malloch (1921) has erected the new genus *Neomusca* for this species. The genotype of *Neomusca* Malloch (monobasic).

***Mydaea persimilis* Malloch**

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 134.

Type.—♀: Lake Louise, Alberta, Canada, July 15, 1908.

Erroneously recorded as collected on August 15 instead of July 15.

***Neochirosia setiger* Malloch**

Bull. Brook. Ent. Soc., Vol. XII, No. 2, April, 1917, p. 36.

Lectotype.—♂: White Heath, Illinois, along Sangamon River, April 28, 1916 (J. R. Malloch).

Lectoallotype.—♀: White Heath, Illinois, along Sangamon River, April 28, 1916 (J. R. Malloch).

Paratype.—♀: White Heath, Illinois, along Sangamon River, April 30, 1916.

In the original description the month of capture of the type series is erroneously given as May instead of April. The genotype of *Neochirosia* Malloch (monobasic).

***Neohylemyia proboscialis* Malloch**

Bull. Brook. Ent. Soc., Vol. XII, No. 2, April, 1917, p. 38.

Type.—♂: Quincy, Illinois, on sand-bar along Mississippi River, August 10, 1889 (C. A. Hart). Hart Acc. No. 547.

The genotype of *Neohylemyia* Malloch (original designation and monobasic).

***Pegomyia acutipennis* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 301.

Paratypes.—♂ and ♀: Alamogordo, New Mexico, May 2, 1902; Cloucroft, New Mexico, May 16, 1902.

***Pegomyia emmessa* Malloch**

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 179.

Type.—♂: Savanna, Illinois, June 14, 1917 (J. R. Malloch).

Allotype.—♀: Savanna, Illinois, June 11, 1917 (J. R. Malloch).

Paratypes.—♂ and ♀: Savanna, Illinois, June 13-14, 1917 (J. R. Malloch); Elizabeth, Illinois, July 7, 1917; Oregon, Illinois, June 20, 1917 (J. R. Malloch); Urbana, Illinois, July 21, 1889 (C. A. Hart). Hart Acc. No. 530.

***Pegomyia fringilla* Malloch**

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 181.

Paratypes.—♂ and ♀: Urbana, Illinois, Augerville Grove (Brownfield Woods), April 18, 1919 (J. R. Malloch); Savoy, Illinois, on apple blossoms, May 4, 1916 (J. R. Malloch); Falls Church, Virginia, flying. April 27, 1915 (C. T. Greene).

Pegomyia fuscofasciata Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 178.

Paratype.—♂: Southbridge, Massachusetts, July 27, 1912.

Pegomyia labradorensis Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 176.

Type.—♂: Nain, Labrador, August, 1918.

Pegomyia littoralis Malloch

Bull. Brook. Ent. Soc., Vol. XV, No. 5, December, 1920, p. 127.

Paratypes.—♂: Bar Harbor, Maine, July 21-22, 1919 (C. W. Johnson).

Pegomyia quadrispinosa Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 181.

Type.—♂: Gallatin County, Montana, 9400 feet elevation, July 9, 1900 (C. Koch).

Allotype.—♀: Monida, Montana, June 27, 1913.

Pegomyia spinigerellus Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 178.

Type.—♂: Havana, Illinois, Gleason's sand dune, April 30, 1914 (J. R. Malloch).

Paratype.—♂: Meredosia, Illinois, sand pit, August 22, 1917 (J. R. Malloch).

Pegomyia subrisea Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 180.

Type.—♂: Bozeman, Montana, June 14, 1906.

In the original description the month is erroneously given as July instead of June.

Pegomyia unguiculata Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 176.

Paratypes.—♂: Lake Louise, Alberta, Canada, July 15, 1908 (C. S. Minot).

Phaonia albocalyprata Malloch

Ohio Journ. Sc., Vol. XX, No. 7, May, 1920, p. 267.

Paratype.—♂: Savonoski, Naknek Lake, Alaska, July, 1919 (J. S. Hine).

Phaonia basiseta Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 133.

Type.—♀: Bozeman, Montana, June 18, 1913.

Lectoallotype.—♂: Waubay, South Dakota, June 6, 1918.

Paratypes.—♂ and ♀: Waubay, South Dakota, June 6, 1918 (J. M. Aldrich).

The type is erroneously recorded as a male in the original description.

Phaonia brevispina Malloch

Trans. Amer. Ent. Soc., Vol. XLVIII, January 12, 1923, p. 269.

Type.—♂: Urbana, Illinois, on tree trunk, August 1, 1916 (J. R. Malloch).

Allotype.—♀: Urbana, Illinois, at sap exuding from tree trunk, September 5, 1915 (J. R. Malloch).

Phaonia citrebasis Malloch

Ohio Journ. Sc., Vol. XX, No. 7, May, 1920, p. 268.

Paratype.—♂: Savonoski, Naknek Lake, Alaska, July, 1919 (J. S. Hine).

Phaonia harti Malloch

Trans. Amer. Ent. Soc., Vol. XLVIII, January 12, 1923, p. 266.

Type.—♂: Urbana, Illinois, reared from larva found under bark, March-April, 1916 (J. R. Malloch). Acc. No. 46619.

Allotype.—♀: Urbana, Illinois, reared from larva found under bark, March-April, 1916 (J. R. Malloch). Acc. No. 46619.

Paratypes.—♂ and ♀: Urbana, Illinois, June 1, 1890 (C. A. Hart); Urbana, Illinois, reared from larvae found under bark, March-April, 1916 (J. R. Malloch); Great Falls, Virginia, May 2, 1917 (W. L. McAtee). Acc. Nos. 15701, 46617-46619 and 46665.

***Phaonia laticornis* Malloch**

Trans. Amer. Ent. Soc., Vol. XLVIII, January 12, 1923, p. 279.

Type.—♂: Hampton, New Hampshire, May 20, 1907 (S. A. Shaw).

Allotype.—♀: Cedar Lake, Lake County, Illinois, bog, August 6, 1906 (C. A. Hart).

In the original description, evidently due to a typographical error, a statement regarding the locality of the type male is omitted.

***Phaonia monticola* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 266.

Paratype.—♂: Beulah, New Mexico, top of range, June 28, 1902.

Date of this paratype is erroneously given as June 24 in original description of species.

***Phaonia nigricauda* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 268.

Paratypes.—♂ and ♀: Redwood Canyon, Marin County, California, May 17, 1908.

***Phaonia subfuscata* Malloch**

Trans. Amer. Ent. Soc., Vol. XLVIII, January 12, 1923, p. 273.

Type.—♂: Pulaski, Illinois, meadow, June 2, 1910 (C. A. Hart).

Allotype.—♀: Pulaski, Illinois, meadow, June 2, 1910 (C. A. Hart).

Paratypes.—♂ and ♀: Pulaski, Illinois, meadow, June 2, 1910 (C. A. Hart).

One male paratype in poor condition. The date of capture of type series is erroneously given as July 2, 1910, in the original description.

***Phaonia texensis* Malloch**

Trans. Amer. Ent. Soc., Vol. XLVIII, January 12, 1923, p. 271.

Type.—♂: Brownsville, Texas, South Texas Garden, at sugar, November 23, 1910 (C. A. Hart).

Allotype.—♀: Brownsville, Texas, South Texas Garden, December 17, 1910 (C. A. Hart).

Paratypes.—♂: Brownsville, Texas, South Texas Garden, December 17, 1910 (C. A. Hart).

***Phorbia fuscisquama* Van der Wulp**

Biol. Centrali-Americanica, Insecta-Diptera, Vol. II, May, 1903, p. 340.

Cotype.—♂: Omilteme, Guerrero, Mexico, 8000 feet elevation, July (H. H. Smith).

Malloch (1921) has transferred this species to the genus *Phaonia* R.—Desvoidy.

***Phorbia prisca* Van der Wulp**

Biol. Centrali-Americanica, Insecta-Diptera, Vol. II, May, 1903, p. 340.

Cotype.—♀: Ciudad, Durango, Mexico, 8100 feet elevation (Forrer).

***Phyllogaster littoralis* Malloch**

Can. Ent., Vol. XLIX, No. 7, July, 1917, p. 228.

Type.—♂: Grand Tower, Illinois, on willow, July 12, 1909.

Lectoallotype.—♀: Waukegan, Illinois, on beach, August 23, 1906.

Paratypes.—♀: South Haven, Michigan, on shore of Lake Michigan, July 14, 1914 (C. A. Hart); Algonquin, Illinois, July 10, 1895 (W. A. Nason).

***Pogonomyia aldrichi* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 281.

Type.—♂: Moscow, Idaho, May 22, 1913 (J. M. Aldrich).

***Pogonomyia aterrima* Van der Wulp**

Biol. Centrali-Americanica, Insecta-Diptera, Vol. II, May, 1903, p. 335.

Cotype.—♀: Ciudad, Durango, Mexico, 8100 feet elevation (Forrer).

***Pogonomyia flavinervis* Malloch**

Bull. Ill. State Lab. Nat. Hist., Vol. XL, Art. IV, Decembe^r, 1915, p. 356.

Lectotype.—♂: Northern Illinois.

Lectoallotype.—♀: Algonquin, Illinois, May 24, 1895 (W. A. Nason).

Paratype.—♀: Algonquin, Illinois (W. A. Nason).

Synonymized as *Pogonomyia nitens* (Stein) by Aldrich (1918). Dr. Aldrich informs me, however, that "flavinervis" is still the name for this species" because *nitens* is preoccupied.

***Pogonomyia latifrons* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 281.

Type.—♀: Tennessee Pass, Colorado, July 24, 1917 (J. M. Aldrich).

***Pogonomyia minor* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 280.

Paratypes.—♂ and ♀: Beulah, New Mexico, top of Las Vegas range, June 28, 1902; Tennessee Pass, Colorado, July 25, 1917 (J. M. Aldrich); Farewell Creek, Saskatchewan, Canada, June, 1907.

***Pogonomyia similis* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 279.

Paratypes.—♂ and ♀: Bozeman, Montana, June 20, 1906; Beulah, New Mexico, top of Las Vegas Range, June 28, 1902; Tennessee Pass, Colorado, July 25, 1917 (J. M. Aldrich); Bozeman, Montana, 4800 feet elevation, July 7, 1902; Gallatin Mountains, Montana, 6000 feet elevation, June 1, 1914.

***Pogonomyza proboscidalis* Malloch**

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 185.

Paratypes.—♂ and ♀: Delaware County, Pennsylvania, May 21, 1905; Swarthmore, Pennsylvania, June 4, 1905.

***Prosapia angustitarsus* Malloch**

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 184.

Paratypes.—♂ and ♀: Southwest Harbor, Maine, July 13, 1918 (C. W. Johnson); Machias, Maine, July 22, 1909 (C. W. Johnson).

***Schoenomyza aurifrons* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 288.

Type.—♂: Mexico City, Mexico, July, 1897.

***Schoenomyza convexifrons* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 287.

Paratypes.—♀ and ♂: Milbrae, San Mateo County, California, March 20, 1908.

***Schoenomyza dorsalis* var. *partita* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 289.

Paratypes.—♂ and ♀: Lagunitas Canyon, Marin County, California, March 29, 1908.

***Schoenomyza dorsalis* var. *sulfuriceps* Malloch**

Trans. Amer. Ent. Soc., Vol. XLIV, October 28, 1918, p. 288.

Paratypes.—♂ and ♀: Berkeley Hills, Alameda County, California, March 22, 1908; Yosemite Valley, California, May 22, 1908.

***Spilogaster copiosa* Van der Wulp**

Biol. Centrali-Americana, Insecta-Diptera, Vol. II, May, 1903, p. 321.

Cotype.—♂ and ♀: Omilteme, Guerrero, Mexico, 8000 feet elevation, July (H. H. Smith).

Malloch (1921) has transferred this species to the genus *Helina* R.—Desvoidy.

***Spilogaster parvula* Van der Wulp**

Biol. Centrali-Americana, Insecta-Diptera, Vol. II, May, 1903, p. 321.

Cotype.—♀: Tepetlapa, Guerrero, Mexico, 3000 feet elevation, October (H. H. Smith).

Malloch (1921) has transferred this species to the genus *Helina* R.—Desvoidy.

***Spilogaster rubripalpis* Van der Wulp**

Biol. Centrali-Americana, Insecta-Diptera, Vol. II, May, 1903, p. 320.

Cotype.—♀: Cuernavaca, Morelos, Mexico, June (H. H. Smith).

Malloch (1921) has transferred this species to the genus *Ariciella* Malloch. *A. flavigornis* Malloch is a synonym of *rubripalpis* Van der Wulp, the latter having priority.

Spilogaster signatipennis Van der Wulp

Biol. Centrali-Americanana, Insecta-Diptera, Vol. II, May, 1903, p. 322.

Cotypes.—♂ and ♀: Sierra de las Aguas Escondidas, Guerrero, Mexico, 9500 feet elevation, July (H. H. Smith); Omilteme, Guerrero, 8000 feet elevation, July (H. H. Smith).

Malloch (1921) has transferred this species to the genus *Helina* R.—Desvoidy.

Tetramerinx brevicornis Malloch

Can. Ent., Vol. XLIX, No. 7, July, 1917, p. 226.

Type.—♀: Waukegan, Illinois, on shore of Lake Michigan, August 23, 1906.

Allotype.—♂: Waukegan, Illinois, on shore of Lake Michigan, August 24, 1917 (J. R. Malloch).

Paratypes.—♂ and ♀: Waukegan, Illinois, on shore of Lake Michigan, August 23, 1906; Waukegan, Illinois, on sand on shore of Lake Michigan (J. R. Malloch).

Subsequently transferred by Malloch (1920) to the genus *Limnophora* R.—Desvoidy at the time of description of allotype.

Trichopticus conformis Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 157.

Paratypes.—♂: Boisdale, Cape Breton, Nova Scotia, July 18-19; Spruce Brook, Newfoundlaid, August 8-12; Youghall, New Brunswick, Canada, July 4-7, 1908 (A. Gibson).

Hypopygium and fifth abdominal sternite only of a paratype are preserved in alcohol.

Trichopticus latipennis Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 158.

Paratypes.—♂: North Adams, Massachusetts, June 18, 1906; Great Barrington, Massachusetts, June 16, 1915 (C. W. Johnson).

Xenocoenosia floridensis Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 163.

Paratypes.—♂ and ♀: St. Augustine, Florida, April 19, 1919 (C. W. Johnson).

Xenocoenosia major Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 163.

Paratype.—♀: St. Augustine, Florida, April 12, 1919 (C. W. Johnson).

Xenomydaea buccata Malloch

Trans. Amer. Ent. Soc., Vol. XLVI, June 12, 1920, p. 144.

Type.—♂: Monida, Montana, June 27, 1913.

Allotype.—♀ Tennessee Pass, Colorado, July 24, 1917 (J. M. Aldrich).

Family TACHINIDAE

Peleteria campestris Curran

Trans. Royal Soc. of Canada, Third Series, Vol. XIX, 1925, p. 247.

Paratype.—♂: Horseshoe Canyon, Chiricahua Mountains, Arizona, 6000 feet altitude.

Peleteria confusa Curran

Trans. Royal Soc. of Canada, Third Series, Vol. XIX, 1925, p. 253.

Paratypes.—♀: Waterbury, Connecticut, on foliage, September 26, 1914; Mt. Holyoke Gap, Massachusetts, September 17, 1914 (C. H. T. Townsend).

Peleteria townsendi Curran

Trans. Royal Soc. of Canada, Third Series, Vol. XIX, 1925, p. 252.

Paratypes.—♂ and ♀: Mexico City, Mexico (Juan Muller); Chihuahua, Mexico, at flowers of *Rudbeckia*, Mound valley, August 24, 1909 (C. H. T. Townsend).

ORDER HYMENOPTERA

Family TENTHREDINIDAE

Dolerus neostugnus MacGillivray

Bull. Brooklyn Ent. Soc., Vol. XVIII, No. 2, April, 1923, p. 55.

Paratype.—♀: Urbana, Illinois, April 12, 1898.

Euura salicicola Smith

North Amer. Ent., Vol. I, 1879, p. 41.

Cotypes.—♂ and ♀: Peoria, Illinois, bred from *Salix alba*, April 15, 1878 (E. A. Smith).

Metallopus rubi Forbes

Fourteenth Rep. State Ent. Ill., September 2, 1885, p. 87.

Lectotype.—♂: Normal, Illinois, reared from mines in leaves of raspberries, August 12, 1884.

The genotype of *Metallopus* Forbes (monobasic).

Nematus robiniae Forbes

Fourteenth Rep. State Ent. Ill., September 2, 1885, p. 116.

Type.—♀: Normal, Illinois, reared from larva on black locust (*Robinia pseudacacia*), July 4, 1884. Acc. No. 4572.

This was considered by Marlatt as a synonym of *trilineata* Norton but Rohwer (1912) considers it a good species and places it in the genus *Pteronidea* Rohwer.

Tenthredo messica MacGillivray

Journ. N. Y. Ent. Soc., Vol. V, No. 3, September, 1897, p. 107.

Paratype.—♂: Olympia, Washington, June 13, 1894 (T. Kincaid).

Family ARGIDAE

Nematoneura malvacearum Cockerell

Insect Life, Vol. VII, No. 3, December, 1894, p. 252.

Paratype.—♂: Sante Fe, New Mexico, August, 1894 (T. D. A. Cockerell). The species has been transferred to the genus *Neoptilia* Ashmead by Rohwer (1912).

Family BRACONIDAE

Adialytus maidaphidis Garman

Fourteenth Rep. State Ent. Ill., September 2, 1885, p. 31.

Lectotype.—♀: Champaign, Illinois, reared from *Aphis maidis* Fitch, November 7, 1884 (H. Garman).

Lectoallotype.—♂: Champaign, Illinois, reared from *Aphis maidis* Fitch, November 6, 1884 (H. Garman). Acc. No. 47310.

Paratypes.—♂ and ♀: Champaign, Illinois, reared from *Aphis maidis* Fitch, November 6, 1884 (H. Garman). Acc. Nos. 5357 and 47310. Slide Nos. 3145 and 3146.

Two female paratypes mounted in balsam on two slides and three female and two male paratypes in alcohol. According to Gahan this species is synonymous with *Lysiphlebius testaceipes* Cresson, the latter having priority.

Apanteles canarsiae Ashmead

Proc. Ent. Soc. Wash., Vol. 4, No. 3, March, 1897, p. 127.

Paratypes.—♂ and ♀: Normal, Illinois, bred from *Psorosina (Canarsia) hammondi* Riley, August 10-14, 1894 (W. G. Johnson). Acc. No. 20063.

Apanteles crambi Weed

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. I, August, 1887, p. 8.

Lectotype.—♀: Champaign, Illinois, bred from *Crambus zeellus* Fernald or *Crambus trisectus* Walker (=exsiccatus of Weed), June 19-21, 1886 (C. M. Weed). Acc. No. 10478.

Lectoallotype.—♂: Champaign, Illinois, bred from *Crambus zeellus* Fernald and *Crambus trisectus* Walker (=exsiccatus of Weed), July 15, 1886 (C. M. Weed). Acc. No. 10630.

Paratypes.—♂: Champaign, Illinois, bred from *Crambus zeellus* Fernald and *Crambus trisectus* Walker (=exsiccatus of Weed), July 15, 1886 (C. M. Weed). Acc. No. 10630.

Apanteles ornigis Weed

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. I, August, 1887, p. 6.

Lectotype.—♀: Normal, Illinois, bred from larva of *Ornix geminatella* Packard, May 3, 1886 (C. M. Weed). Acc. No. 8890.

Lectoallotype.—♂: Normal, Illinois, bred from larva of *Ornix geminatella* Packard, May 3, 1886 (C. M. Weed). Acc. No. 8890.

Paratypes.—♀: Normal, Illinois, bred from larvae of *Ornix geminatella* Packard, April 27 and May 3, 1886 (C. M. Weed). Acc. Nos. 8832 and 8890.

Apanteles orobenae Forbes

Twelfth Rep. State Ent. Ill., November 20, 1883, p. 104.

Lectotype.—♀: Anna, Union County, Illinois, bred from *Evergestis (Orobenae) rimosalis* Guenée, September 15, 1882 (S. A. Forbes). Acc. No. 2551.

Lectoallotype.—♂: Anna, Union County, Illinois, bred from *Evergestis (Orobenae) rimosalis* Guenée, September 15, 1882 (S. A. Forbes). Acc. No. 3129.

Paratypes.—♂ and ♀: Anna, Union County, Illinois, bred from *Evergestis (Orobenae) rimosalis* Guenée, September 15, 1882 (S. A. Forbes). Acc. No. 2851. Slide Nos. 3143 and 3144.

Seventeen specimens were found labeled as types, though original description mentions but twelve. Five male and two female paratypes preserved in alcohol in two vials. Two paratypes, one male and one female, mounted in balsam on two slides.

Apanteles sarrothripae Weed

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. I, August, 1887, p. 6.

Lectotype.—♀: Normal, Illinois, bred from *Sarrothripus revayana* Scopoli (=lintoniana of Weed), July, 1884 (C. M. Weed). Acc. No. 2459.

Lectoallotype.—♂: Normal, Illinois, bred from *Sarrothripus revayana* Scopoli (=lintoniana of Weed), July, 1884 (C. M. Weed). Acc. No. 2459.

Paratype.—♀: Normal, Illinois, bred from *Sarrothripus revayana* Scopoli (=lintoniana of Weed), July, 1884 (C. M. Weed). Acc. No. 2459.

Bassus acrobasis Cushman

Proc. U. S. N. M., Vol. 58, No. 2334, November 8, 1920, p. 289.

Paratype.—♂: Brownwood, Texas, reared from *Acrobasis* species, Quaintance No. 16787, July 4, 1918 (A. I. Fabis).

Clinocentrus americanus Weed

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. IV, October, 1887, p. 43.

Lectotype.—♀: Champaign, Illinois, bred from *Peronea (Teras) minuta* Robinson, June 5, 1886 (C. M. Weed). Acc. No. 10293.

Lectoallotype.—♂: Champaign, Illinois, bred from *Peronea (Teras) minuta* Robinson, June 5, 1886 (C. M. Weed). Acc. No. 10295.

Paratypes.—♀: Champaign, Illinois, bred from *Peronea (Teras) minuta* Robinson, June 5, 1886 (C. M. Weed). Acc. Nos. 10293 and 10295.

Clinocentrus niger Ashmead

Bull. Ill. State Lab. Nat. Hist., Vol. IV, Art. VII, December, 1895, p. 276

Paratypes.—♂: Havana, Illinois, taken from the surface of leaves of Lemnaceae on the shore of Quiver Lake, September 23, 1894 (C. A. Hart). Acc. No. 13068.

Placed by Gahan in the genus *Ademon* Haliday.

***Microplitis hyphantriae* Ashmead**

Proc. Ent. Soc. Wash., Vol. 4, No. 3, March, 1897, p. 164.

Paratypes.—♀: Champaign, Illinois, reared from larvae of *Hyphantria cunea* Drury, August 12, 1885 (S. A. Forbes). Acc. No. 7209.

***Microplitis mamestrae* Weed**

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. I, August, 1887, p. 2.

Lectotype.—♀: Normal, Illinois, reared from larva of *Ceramica (Mamestra) picta* Harris, August 23, 1884 (C. M. Weed). Acc. No. 4920.

Cocoon from which lectotype was reared is mounted on card point. Acc. No. 4922.

***Protomicroplitis garmani* Ashmead**

Proc. U. S. Nat. Mus., Vol. 23, No. 1206, October 13, 1900, p. 132.

Paratypes.—♀: Tolono, Illinois, July 25, 1885 (C. A. Hart and Shiga); Metropolis, Illinois, August 19, 1895 (C. A. Hart and Shiga). Acc. Nos. 6783 and 17235.

Placed by Muesebeck (1922) in the genus *Microgaster* Latreille. Specific name in original description spelled *germani* but emended by Muesebeck to *garmani*.

Family ICHNEUMONIDAE

***Coelinius meromyzae* Forbes**

Thirteenth Rep. State Ent. Ill., May 31, 1884, p. 26.

Lectotype.—♀: Cuba, Illinois, reared from *Meromyza americana* Fitch, May 15, 1883 (S. A. Forbes). Acc. No. 3314.

Lectoallotype.—♂: Cuba, Illinois, reared from *Meromyza americana* Fitch, May 15, 1883 (S. A. Forbes). Acc. No. 3314.

Paratypes.—♂ and ♀: Cuba, Illinois, reared from *Meromyza americana* Fitch, May 6-15, 1883 (S. A. Forbes). Acc. Nos. 2996, 3302, 3305, 3306 and 3314. Slide Nos. 1543-1547.

Now placed by Viereck in the genus *Coelinidea* Viereck. Most of the specimens in good condition. Anatomical features of one paratype mounted in balsam on slides.

***Cremastus cookii* Weed**

Ent. Amer., Vol. IV, No. 8, November, 1888, p. 150.

Lectotype.—♀: Anna, Illinois, May 29-31, 1883 (C. M. Weed). Acc. No. 3238.

Lectoallotype.—♂: Anna, Illinois, June, 1883 (C. M. Weed). Acc. No. 3361.

Paratypes.—♂ and ♀: Anna, Illinois, June 6, 1884 (C. M. Weed); Urbana, Illinois, by sweeping strawberry fields or reared from *Ancylis (Phoxopteris) comptana* Froelich, July, 1885 (C. M. Weed). Acc. Nos. 2466 and 6278.

Lectotype and allotype in fair condition, paratypes in poor condition.

***Cremastus cookii* var. *rufus* Weed**

Ent. Amer., Vol. IV, No. 8, November, 1888, p. 150.

Lectotype.—♂: Anna, Illinois, reared from *Ancylis (Phoxopteris) comptana* Froelich, June 6, 1884 (C. M. Weed). Acc. No. 2374.

In fair condition.

***Cremastus forbesi* Weed**

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. III, October, 1887, p. 42.

Type.—♀: Urbana, Illinois, reared from *Peronea (Teras) minuta* Robinson, June 13, 1886 (C. M. Weed). Acc. No. 10386.

Cremastus hartii Ashmead

Bull. Ill. State Lab. Nat. Hist., Vol. IV, No. 7, December, 1896, p. 277.
 Lectotype.—♀: Havana, Illinois, Quiver Lake, September 14, 1894 (C. A. Hart and Newberry). Acc. No. 13029.
 Lecitoallotype.—♂: Havana, Illinois, Quiver Lake, September 14, 1894 (C. A. Hart and Newberry). Acc. No. 13028b.

Glypta phoxopteridis Weed

Ent. Amer., Vol. IV, No. 8, November, 1888, p. 151.
 Type.—♀: Anna, Illinois, bred from larva of *Ancylis (Phoxopteris) compata* Froelich, July 14, 1884 (C. M. Weed). Acc. No. 4859.

Limneria (Siphonophorus) canarsiae Ashmead

Proc. Ent. Soc. Wash., Vol. 4, No. 3, March, 1897, p. 126.
 Type.—♀: Normal, Illinois, bred from *Psorosina (Canarsia) hammondi* Riley, July 23, 1886 (C. M. Weed). Acc. No. 10671.

Head of type is missing.

Limneria elegans Weed

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. III, October, 1887, p. 40.
 Lectotype.—♀: Urbana, Illinois, reared from *Perona (Teras) minuta* Robinson, June 12, 1886 (C. M. Weed). Acc. No. 10341.

Limneria teratis Weed

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. III, October, 1887, p. 40.
 Lectotype.—♀: Urbana, Illinois, bred from *Perona (Teras) minuta* Robinson, June 9, 1886 (C. M. Weed). Acc. No. 10341.
 Paratype.—♀: Urbana, Illinois, bred from *Peronea (Teras) minuta* Robinson, June 10, 1886 (C. M. Weed). Acc. No. 10355.
 Abdomen and wings of paratype are missing.

Pimpla minuta Weed

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. III, October, 1887, p. 41.
 Type.—♀: Urbana, Illinois, reared from *Peronea (Teras) minuta* Robinson, June 5, 1886 (C. M. Weed). Acc. No. 10295.
 Only wings, thorax and two legs of type remain.

Spilocryptus canarsiae Ashmead

Proc. Ent. Soc. Wash., Vol. 4, No. 3, March, 1897, p. 124.
 Lectotype.—♂: Champaign, Illinois, bred from cocoon of *Psorosina (Canarsia) hammondi* Riley, September 15, 1894 (W. G. Johnson). Acc. No. 21006.

Family SCELIONIDAE

Hoplogryon bethunei Sanders

Can. Ent., Vol. XLII, No. 1, January, 1910, p. 15.
 Type.—♂: Aurora, Illinois, in a nest of *Formica subrufa*, June 15, 1909 (G. E. Sanders). Acc. No. 29771.

Phanurus tabanivorus Ashmead

Bull. Ill. State Lab. Nat. Hist., Vol. IV, Art. VII, December, 1896, p. 274.
 Paratypes.—♂ and ♀: Havana, Illinois, reared from eggs of *Tabanus atratus* Fabricius, September 13, 1894 (C. A. Hart). Acc. No. 13016.

Family PLATYGASTERIDAE

Alaptus aleurodis Forbes

Fourteenth Rep. State Ent. Ill., September 2, 1885, p. 110.
 Lectotype.—♀: Tamaroa, Illinois, reared from *Aleurodes* on soft maple, August 4, 1884 (S. A. Forbes). Acc. No. 5139.
 Paratype.—♀: Tamaroa, Illinois, reared from *Aleurodes* on soft maple, August 4, 1884 (S. A. Forbes). Acc. No. 5139.
 Generic name *Elaptus* used at time of description was a misspelling for *Alaptus*. Now considered as synonymous with *Amitus aleurodinis* Halde-man.

Platygaster hiemalis Forbes

Psyche, Vol. V, No. 144, April, 1888, p. 39.

Lectotype.—♂: Edgewood, Illinois, reared from puparia of *Phytophaga destructor* (Say) sent by Samuel Bartley, October 18, 1887 (S. A. Forbes). Acc. No. 14148.

Paratype.—♂: Edgewood, Illinois, reared from puparia of *Phytophaga destructor* (Say) sent by Samuel Bartley, October 18, 1887 (S. A. Forbes). Acc. No. 14148.

Family CYNIPIDAE

Acraspis compressus Gillette

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. XI, April, 1891, p. 197.

Type gall.—Ames, Iowa.

One of the two type specimens was originally mounted on a card point with this gall, but imago itself is now missing. Now placed by Weld (1926) in the genus *Zopheroteras* Ashmead.

Antistrophus bicolor Gillette

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. XI, April, 1891, p. 197.

Type.—♀: Normal, Illinois, July 6, 1884. Acc. No. 2584.

Accession catalogue states "Cynips from *Silphium integrifolium*" Now placed in the genus *Aylax* Hartig.

Antistrophus laciniatus Gillette

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. XI, April, 1891, p. 194.

Lectotype.—♀: Champaign, Illinois, bred from gall "on receptacle of the flowers of *Silphium laciniatum*", collected April 18, 1889 (J. Marten). Acc. No. 15073.

Lectoallotype.—♂: Champaign, Illinois, bred from gall "on receptacle of the flowers of *Silphium laciniatum*", collected April 18, 1889 (J. Marten). Acc. No. 15073.

Type gall.—Champaign, Illinois, "on receptacle of the flowers of *Silphium laciniatum*", collected April 18, 1889 (J. Marten). Acc. No. 15072. Now placed in the genus *Aylax* Hartig.

Antistrophus minor Gillette

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. XI, April, 1891, p. 196.

Lectotype.—♀: Champaign, Illinois, bred from the stems of *Silphium laciniatum*, collected January 4, 1885. Acc. No. 5500.

Lectoallotype.—♂: Champaign, Illinois, bred from the stems of *Silphium laciniatum*, collected January 4, 1885. Acc. No. 5500.

Paratype.—♀: Champaign, Illinois, bred from the stems of *Silphium laciniatum*, collected January 4, 1885. Acc. No. 5500.

Now placed in the genus *Aylax* Hartig and assigned the specific name of *gilletti* Kieffer because *minor* Gillette is preoccupied.

Antistrophus rufus Gillette

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. XI, April, 1891, p. 195.

Lectotype.—♀: Champaign, Illinois, bred from cells in "stems of *Silphium laciniatum*", collected January 4, 1885. Acc. No. 5500.

Lectoallotype.—♂: Champaign, Illinois, bred from cells in "stems of *Silphium laciniatum*", collected January 4, 1885. Acc. No. 5500.

Paratypes.—♂ and ♀: Champaign, Illinois, bred from cells in "stems of *Silphium laciniatum*", collected January 4, 1885. Acc. No. 5500.

Type gall.—: Champaign, Illinois, in "stems of *Silphium laciniatum*", collected January 4, 1885. Acc. No. 5500.

Now placed in the genus *Aylax* Hartig.

Antistrophus silphi Gillette

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. XI, April, 1891, p. 192.

Lectotype.—♀: Champaign, Illinois, bred from galls on "*Silphium integrifolium*", collected February 6 or March 25, 1890 (Mally and J. Marten). Acc. No. 15605.

Lectoallotype.—♂: Champaign, Illinois, bred from galls on "*Silphium integrifolium*", collected February 6 or March 25, 1890 (Mally and J. Marten). Acc. No. 15605.

Paratypes.—♂ and ♀: Champaign, Illinois, bred from galls on "*Silphium integrifolium*" collected February 6 or March 25, 1890 (Mally and J. Marten). Acc. Nos. 15605 and 15665.

Type galls.—: Champaign, Illinois, galls on "*Silphium integrifolium*", collected February 6 or March 25, 1890 (Mally and J. Marten).

Aulacidea solidaginis Girault

Ent. News, Vol. XIV, No. 10, December, 1903, p. 323.

Cotypes.—♂ and ♀: Blacksburg, Virginia, reared from gall on goldenrod [*Lactuca*], June 2-8, 1903, No. 49 (A. A. Girault).

Synonymized by Beutenmüller (1910) as *Aulacidea tumida* Bassett.

Aulax bicolor Gillette

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. XI, April, 1891, p. 201.

Lectotype.—♀: Urbana, Illinois, July 9, 1885. Acc. No. 6422.

Paratype.—♀: Mt. Carmel, Illinois, taken in a wheat field, May 27, 1884. Acc. No. 1781.

In the original description Champaign is given as the locality instead of Urbana, also the year of the Mt. Carmel specimen is 1884 and not 1885. Now placed in the genus *Aulacidea* Ashmead.

Callirhytis corallosa Weld

Proc. U. S. Nat. Mus., Vol. 59, No. 2368, June 27, 1921, p. 216.

Paratype.—♀: Ft. Sheridan, Illinois, reared from gall on *Quercus macrocarpa* Michaux or *Quercus alba* Linnaeus, October 6, 1914 (L. H. Weld). Now considered by Weld (1922) as a synonym of *Callirhytis badia* (Bassett).

Callirhytis elliptica Weld

Proc. U. S. Nat. Mus., Vol. 59, No. 2368, June 27, 1921, p. 228.

Paratype.—Agamic ♀: Glencoe, Illinois, found ovipositing on buds of *Quercus alba* Linnaeus, May 11, 1919 (L. H. Weld).

Callirhytis ellipsoida Weld

Proc. U. S. Nat. Mus., Vol. 59, No. 2368, June 27, 1921, p. 227.

Cotypes.—Agamic ♀: Wilmette, Illinois, from galls on *Quercus bicolor* Willdenow, April 16, 1910 (L. H. Weld).

Callirhytis enigma Weld

Proc. U. S. Nat. Mus., Vol. 59, No. 2368, June 27, 1921, p. 219.

Paratypes.—♀: Winnetka, Illinois, reared from gall on *Quercus rubra* Linnaeus, October 22, 1914 (L. H. Weld); Madison Florida, cut out from gall on *Quercus catesbeiana* Michaux, December 4, 1919 (L. H. Weld).

Callirhytis marginata Weld

Proc. U. S. Nat. Mus., Vol. 59, No. 2368, June 27, 1921, p. 225.

Cotype.—♀: Ft. Sheridan, Illinois, reared from gall on *Quercus coccinea* Muenchhausen, April 25, 1915 (L. H. Weld).

Callirhytis maxima Weld

Proc. U. S. Nat. Mus., Vol. 59, No. 2368, June 27, 1921, p. 217.

Cotypes.—♀: Ft. Sheridan, Illinois, reared from galls on *Quercus macrocarpa* Michaux, October 19, 1914 (L. H. Weld).

Callirhytis rubida Weld

Proc. U. S. Nat. Mus., Vol. 59, No. 2368, June 27, 1921, p. 224.

Paratype.—♀: Ravinia, Illinois, cut out from gall on one of red oaks, October 22, 1916 (L. H. Weld).

Compsodryxoxenus illinoiensis Weld

Proc. U. S. Nat. Mus., Vol. 59, No. 2368, June 27, 1921, p. 234.

Paratypes.—♀: Winnetka, Illinois, cut out from galls on *Quercus macrocarpa* Michaux, October 25, 1914 (L. H. Weld); Ft. Sheridan, Illinois, cut out from galls on *Quercus macrocarpa* Michaux, October 24, 1914 (L. H. Weld).

Coptereucoila marginata Gillette

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. XI, April, 1891, p. 203.

Lectotype.—♀: Quincy, Illinois, November 14-15, 1884. Acc. No. 5437.

Paratype.—♀: Normal, Illinois, May 9, 1884. Acc. No. 1661. Now placed in the genus *Kleidotoma* Westwood.

Diastrophus scutellaris Gillette

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. XI, April, 1891, p. 191.

Type.—♀: Danville, Illinois, May 20, 1884. Acc. No. 1881.

Now placed in the genus *Gonaspis* Ashmead and considered as a variety of *potentillae* Bassett.

Disholcaspis globosa Weld

Proc. U. S. Nat. Mus., Vol. 59, No. 2368, June 27, 1921, p. 196.

Cotypes.—Agamic ♀: Ft. Sheridan, Illinois, reared from gall on *Quercus alba* Linnaeus, October, 1914 (L. H. Weld).

Disholcaspis terrestris Weld

Proc. U. S. Nat. Mus., Vol. 59, No. 2368, June 27, 1921, p. 198.

Paratypes.—Agamic ♀: Ironton, Missouri, reared from galls on *Quercus stellata* Wangenheim, December 1, 1917 (L. H. Weld).

Dryophanta lanata Gillette

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. XI, April, 1891, p. 198.

Lectotype.—♀: Ames, Iowa, Iowa Experiment Station.

Type gall.—: No data.

Now placed by Weld (1926) in the genus *Callirhytis* Foerster.

Eucoilia septempinosa Gillette

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. XI, April, 1891, p. 204.

Type.—♀: Quincy, Illinois, August 10, 1889 (C. A. Hart). Hart Acc. No. 547. Reassigned Illinois State Natural History Survey No. 25798.

Now placed in the genus *Psilodora* Foerster.

Eucoiliidea rufipes Gillette

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. XI, April, 1891, p. 205.

Type.—♀: Morris, Illinois, July 19, 1883 (F. M. Webster). Acc. No. 3637.

Solenaspis singularis Ashmead

Trans. Am. Ent. Soc., Vol. XXIII, 1896, p. 183.

Paratype.—Algonquin, Illinois, July 25, 1895 (W. A. Nason).

Now placed in the genus *Xyalosema* Dalla Torre and Kieffer.

Synergus magnus Gillette

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. XI, April, 1891, p. 202.

Type.—♀: Lansing, Michigan, reared from a gall of *Amphibolips cookii* Gillette.

Synergus villosus Gillette

Bull. Ill. State Lab. Nat. Hist., Vol. III, Art. XI, April, 1891, p. 202.

Lectotype.—♀: Michigan.

The locality of "Iowa" given for this species in original description was in error.

Family CHALCIDIDAE

Ceyxia paraguayensis Girault

Zool. Jahrb., Abt. für Syst., Vol. 31, Heft 3, 1911, p. 385.

Paratype.—♂: Asuncion, Paraguay, May 4, 1905 (J. D. Anisits). Acc. No. 44184.

Paraguaya pulchripennis Girault

Zool. Jahrb., Abt. für Syst., Vol. 31, Heft 3, 1911, p. 396.

Paratype.—♀: Villa Morra, Asuncion, Paraguay, November 9, 1905 (J. D. Anisits). Acc. No. 44182. Slide No. 1492.
Antenna, anterior and posterior legs only of one paratype mounted in balsam on a slide.

The genotype of *Paraguaya* Girault (original designation and monobasic).

Spilochalcis anisitsi Girault

Zool. Jahrb., Abt. für Syst., Vol. 31, Heft 3, 1911, p. 386.

Paratypes.—♀ and ♂: Paraguarí, Paraguay, January 19, 1906 (J. D. Anisits). Acc. No. 44179. Slide No. 1494.

One antenna each of paratypic male and paratypic female mounted in balsam on a slide.

Tumidicoxa hyalinipennis Girault

Zool. Jahr., Abt. für Syst., Vol. 31, Heft 3, 1911, p. 381.

Paratype.—♀ Asuncion, Paraguay, April 10, 1905 (J. D. Anisits). Acc. No. 44183.

Family EURYTOMIDAE

Eurytoma paraguayensis Girault

Zool. Jahr., Abt. für Syst., Vol. 31, Heft 3, 1911, p. 390.

Paratypes.—♀: Asuncion, Paraguay, reared from an ichenumoid cocoon of a parasite of a lepidopterous larva, March 24, 1905 (J. D. Anisits). Acc. No. 44180. Slide Nos. 1438 and 1439.

Antenna and leg (all that remains) of one female paratype mounted in balsam on two slides.

Family ENCYRTIDAE

Aenasioidea laticapus Girault

Can. Ent., Vol. XLIII, No. 5, May, 1911, p. 173.

Lectotype.—♀: Urbana, Illinois, June 25, 1908, reared from *Kermes pubescens* Bogue on oak (A. A. Girault). Acc. No. 40285.

Paratypes.—♀: Urbana, Illinois, reared from *Kermes pubescens* Bogue on oak, June 25, 1908 (A. A. Girault). Acc. No. 40285. Slide Nos. 1388 and 1874.

Four female paratypes in poor condition mounted in balsam on two slides. The genotype of *Aenasioidea* Girault (original designation and monobasic).

Anagyrus nubilipennis Girault

Psyche, Vol. XVI, No. 4, August, 1909, p. 76.

Lectotype.—♀: Carbondale, Illinois, reared from "overwintered females of *Eulecanium nigrofasciatum* (Pergande) on peach", June 9, 1908 (L. M. Smith). Acc. No. 37537.

Lectoallotype.—♂: Carbondale, Illinois, reared from "overwintered males of *Eulecanium nigrofasciatum* (Pergande) on peach", June 9, 1908 (L. M. Smith). Acc. No. 37537.

Paratypes.—♂: Carbondale, Illinois, reared from "overwintered females of *Eulecanium nigrofasciatum* (Pergande) on peach", June 9-20, 1908 (L. M. Smith). Acc. Nos. 37537, 37546 and 37550.

Aphytus stomachosus Girault

Psyche, Vol. XVI, No. 4, August, 1909, p. 77.

Lectotype.—♀: Carbondale, Illinois, reared from "overwintered females of *Eulecanium nigrofasciatum* (Pergande) on peach twigs", June 21, 1908 (L. M. Smith). Acc. No. 37559. Slide No. 1293.

Lectoallotype.—♂: Carbondale, Illinois, reared from "overwintered females of *Eulecanium nigrofasciatum* (Pergande) on peach twigs", June 20, 1908 (L. M. Smith). Acc. No. 37552. Slide No. 1300.

Paratypes.—♂ and ♀: Carbondale, Illinois, reared from 'overwintered females of *Eulecanium nigrofasciatum* (Pergande) on peach twigs', June 20-30, 1908 (L. M. Smith). Acc. Nos. 37551, 37552, 37559 and 37580. Slide Nos. 1293, 1300, 1301 and 1304.

In fair condition. Lectotype mounted in balsam on slide with paratypes, and lectoallotype on slide with five male paratypes. Remainder of paratypes mounted in balsam on two slides, except five female paratypes which are on card points.

Cristatithorax pulcher Girault

Can. Ent., Vol. XLIII, No. 5, May, 1911, p. 170.

Lectotype.—♀: Urbana, Illinois, reared from *Kermes pubescens* Bogue on oak, July 1, 1908 (A. A. Girault). Acc. No. 37590. Slide No. 1287.

Paratype.—♀: Urbana, Illinois, reared from *Kermes pubescens* Bogue on oak, July 1, 1908 (A. A. Girault). Acc. No. 37590.

Thorax, legs and abdomen of lectotype mounted on card point; head and one antenna in balsam on a slide. Antenna only of a female paratype mounted in balsam on a slide.

The genotype of *Cristatithorax* Girault (original designation and monobasic).

Microterys speciosissimus Girault

Can. Ent., Vol. XLIII, No. 5, May, 1911, p. 175.

Lectotype.—♀: Urbana, Illinois, bred from *Kermes pubescens* Bogue on oak, June 23, 1908 (A. A. Girault). Acc. No. 37561.

Paratypes.—♀: Urbana, Illinois, bred from *Kermes pubescens* Bogue on oak, June 23 and July 7, 1908 (A. A. Girault). Acc. Nos. 37561 and 37593. Slide No. 1305.

One female paratype mounted on card point has head missing. Head and antenna only of another female paratype mounted in balsam on a slide

Rhopoideus fuscus Girault

Can. Ent., Vol. XLIV, No. 1, January, 1912, p. 5.

Paratypes.—♀: Chicoutime, Quebec, Canada, July 3, 1911; St. Gabriel de Brandon, Quebec, Canada, July 3, 1911. Acc. Nos. 45080 and 45085. Slide Nos. 1471, 1500, 1501 and 1502.

The "supposed host is *Tortrix fumiferana* Clemens, but a coccid is indicated instead." Girault lists two of these specimens as "Homotypes" but they are a part of the type series and therefore are considered as paratypes. All specimens mounted in balsam on four slides.

Signiphora fasciata Girault

Proc. U. S. Nat. Mus., Vol. 45, No. 1977, May 22, 1913, p. 219.

Paratypes.—♂ and ♀: Cuantla, Morelos, Mexico, from "*Inglisia* sp. on cotton", July 1, 1897 (Koebele). Acc. No. 45088. Slide No. 1529.

In poor condition. Mounted in balsam on a slide.

Signiphora fax Girault

Proc. U. S. N. M., Vol. 45, No. 1977, May 22, 1913, p. 223.

Paratypes.—♀: San Juan, Porto Rico, parasites of *Aspidiotus [Mycetaspis] personatus* (Comstock) on Guanabana, January, 1899 (A. Busck). Acc. No. 45091. Slide No. 3262.

Mounted in balsam on a slide.

Signiphora flava Girault

Proc. U. S. Nat. Mus., Vol. 45, No. 1977, May 22, 1913, p. 213.

Paratype.—♀: Mexico, from "*Aspidiotus camelliae* Signoret on *Acacia*", December 15, 1905 (A. L. Herrera). Acc. No. 45096. Slide No. 1514.

Mounted in balsam on a slide with a male of *Signiphora aleyrodis* Ashmead.

Signiphora flavella Girault

Proc. U. S. Nat. Mus., Vol. 45, No. 1977, May 22, 1913, p. 214.

Paratype.—♀: Cuautla, Morelos, Mexico, from "*Aspidiotus* sp. on *Ciruela*", July 1, 1897 (Koebele). Acc. No. 45092. Slide No. 1510.

In poor condition. Mounted in balsam on a slide with seven females and one male of *Signiphora mexicana* Ashmead and females of *Perisopterus mexicana* Howard.

Signiphora maculata Girault

Proc. U. S. Nat. Mus., Vol. 45, No. 1977, May 22, 1913, p. 221.

Paratypes.—♀: Santiago de las Vegas, Cuba, reared from *Lepidosaphes alba* (Cockerell), June 21, 1911 (Patricio Cardin). Acc. No. 45084. Slide No. 1517.

In fair condition. Mounted in balsam on a slide.

Signiphora pulchra Girault

Proc. U. S. Nat. Mus., Vol. 45, No. 1977, May 22, 1913, p. 215.

Paratypes.—♂ and ♀: Anna, Illinois, reared from *Aspidiota uvae* Comstock on cultivated grape, July 17, 1908 (L. M. Smith); Urbana, Illinois, reared from *Diaspis rosae*, August 15, 1895 (W. G. Johnson); Urbana, Illinois, reared from *Aspidiota* sp. on currant and the cherry *Aspidiota (forbesi)*? July 30 and August 13, 1895 (W. G. Johnson); Washington, D. C. bred from *Aspidiota uvae* Comstock, May 15, 1911 (J. F. Zimmer). Acc. Nos. 21401, 21458, 21477, 39119 and 45083.

Mounted in balsam on five slides.

Family EUPELMIDAE

Isosoma allynii French

Can. Ent., Vol. XIV, No. 1, January, 1882, p. 9.

Cotype.—♀: Carbondale, Illinois, French Collection, July 29, 1881.

Head missing. Species now assigned to genus *Eupelmus* Dalman.

Family PTEROMALIDAE

Arthrolytus aeneoviridis Girault

Can. Ent., Vol. XLIII, No. 11, November, 1911, p. 372.

Lectotype.—♀: Ames, Iowa, August-November, 1908 (R. L. Webster). Acc. No. 40289.

Paratypes.—♂ and ♀: Ames, Iowa, August-November, 1908 (R. L. Webster). Acc. No. 40289. Slide Nos. 1392-1394.

Five female paratypes in poor condition mounted on card points. Antennae and heads of two male and three female paratypes mounted in balsam on three slides.

Catolaccus cyaneus Girault

Zool. Jahrb., Abt. für Syst., Vol. 31, Heft 3, 1911, p. 400.

Paratypes.—♀: Asuncion, Paraguay, October 10, 1905 (J. J. Anisits). Acc. No. 44181. Slide No. 1491.

Three female paratypes mounted on a single card point, and antennae and posterior leg of an additional female paratype mounted in balsam on a slide. The abdomen of one paratype on card point mount is missing.

Epipteronotus algonquinensis Ashmead

Mem. Carn. Mus., Vol. 1, No. 4, 1904, p. 319.

Paratypes.—♀: Algonquin, Illinois, June 27, July 3 and 6, 1895 (W. A. Nason).

The genotype of *Epipteronotus* Ashmead (original designation and monobasic).

Muscidifurax raptor Girault and Sanders

Psyche, Vol. XVII, No. 4, August, 1910, p. 149.

Lectotype.—♀: Urbana, Illinois, reared from puparium of *Musca domestica* Linnaeus, October 24, 1908 (A. A. Girault and G. E. Sanders). Acc. No. 40250.

Lectoallotype.—♂: Urbana, Illinois, reared from puparium of *Musca domestica* Linnaeus, October 24, 1908 (A. A. Girault and G. E. Sanders). Acc. No. 40250.

Paratypes.—♂ and ♀: Urbana, Illinois, reared from puparia of *Musca domestica* Linnaeus and *Phormia regina* (Meigen), April, September, October and November, 1909 (A. A. Girault and G. E. Sanders). Acc. Nos. 20269, 39965, 40146, 40150, 40153, 40169, 40171, 40205, 40217, 40231, 40242, 40243, 40244, 40245, 40246, 40247, 40248, 40249, 40250, 40258, 40268. Slide Nos. 1377, 1397, 1398 and 1399.

The genotype of *Muscidifurax* Girault and Sanders (original designation and monobasic). The anatomical features of several paratypic females are mounted in balsam on four slides.

Nasonia brevicornis Ashmead

Mem. Carn. Mus., Vol. I, No. 4, 1904, p. 317.

Paratypes.—♀: Algonquin, Illinois, May 11 and July 3, 1895 (W. A. Nasson).

This species is now placed in the genus *Mormoniella* Ashmead. The genotype of *Nasonia* Ashmead (original designation and monobasic). Iso-genotypic through synonymy.

Pteromalus ? fulvipes Forbes.

Fourteenth Rep. State Ent. Ill., September 2, 1885, p. 47.

Lectotype.—♀: Robinson, Illinois, May 25, 1884. Acc. No. 2309.

Lectoallotype.—♂: Du Quoin, Illinois, August 7, 1883. Acc. No. 3806.

Paratypes.—♂ and ♀: Robinson, Illinois, June 14, 1884; Du Quoin, Illinois, August 7, 1883; Marshall, Illinois, June 25, 1884. Acc. Nos. 3806, 4357 and 4566.

This species is now placed in the genus *Nemicromelus* Girault.

Pteromalus gelechiae Webster

Twelfth Rep. State Ent. Ill., November 20, 1883, p. 151.

Lectotype.—♂: Southern Illinois, reared from a larva of *Sitotroga (Gelechia) cerealella* Olivier, 1882 (F. M. Webster). Acc. No. 3168.

Lectoallotype.—♀: Southern Illinois, reared from a larva of *Sitotroga (Gelechia) cerealella* Olivier, 1882 (F. M. Webster). Acc. No. 3168.

Paratypes.—♂ and ♀: Southern Illinois, reared from the larvae of *Sitotroga (Gelechia) cerealella* Olivier, 1882 (F. M. Webster). Acc. No. 3168. Slide Nos. 3147 and 3148.

Four paratypes are mounted in balsam on two slides, ten on card points, and the remainder in alcohol. Now considered as synonymous with *Dibrachys clisiocampae* Fitch, the latter having priority.

Pteromalus pallipes Forbes

Fourteenth Rep. Ill. State Ent., September 2, 1885, p. 46.

Lectotype.—♀: Du Quoin, Illinois, bred from puparia or larva of the Hessian fly, *Phytophaga destructor* Say, June 5, 1884. Acc. No. 2200.

Paratype.—♀: Du Quoin, Illinois, bred from puparia or larva of the Hessian fly, *Phytophaga destructor* Say, June 5, 1884. Acc. No. 2200.

The specific name of *forbesi* was assigned to this species by Dalla Torre because *pallipes* Forbes was preoccupied.

Trimeromicrus maculatus Gahan

Proc. U. S. Nat. Mus., Vol. 48, No. 2068, December 16, 1914, p. 162.

Paratype.—♀: Yuma, Arizona, reared from alfalfa seed-pod infested with *Bruchophagus funebris*, October 25, 1913 (T. D. Urbahns).

The genotype of *Trimeromicrus* Gahan (original designation and monobasic).

Tritneptis hemerocampae Girault

Psyche, Vol. XV, No. 5, October, 1908, p. 92.

Lectotype.—♀: Chicago, Illinois, reared from pupa of *Hemerocampa leucostigma* (Smith and Abbot), April 23, 1908 (A. A. Girault). Acc. No. 37512.

Lectoallotype.—♂: Chicago, Illinois, reared from pupa of *Hemerocampa leucostigma* (Smith and Abbot), April 23, 1908 (A. A. Girault). Acc. No. 37512.

Paratypes.—♀: Chicago, Illinois, reared from pupae of *Hemerocampa leucostigma* (Smith and Abbot), April 23, 1908 (A. A. Girault). Acc. No. 37512.

The genotype of *Tritneptis* Girault (original designation and monobasic).

Uriella rufipes Ashmead

Trans. Amer. Ent. Soc., Vol. XXIII, 1896, p. 222.

Paratypes.—♂ and ♀: Algonquin, Illinois, June 26, July 4 and 28, August 11 and 23, 1894 (W. A. Nason).

The genotype of *Uriella* Ashmead (original designation and monobasic). According to Kurdjumov (1913) this genus is synonymous with *Phaenacra* Thomson.

Urios vestali Girault

Journ. N. Y. Ent. Soc., Vol. XIX, No. 3, September, 1911, p. 176.

Type.—♀: Illinois, in the nest of an ant, May. Acc. No. 45066. Slide Nos. 1466-1467.

In a later publication the data for this type is given as April 1, 1911, Devil's Hole, near Havana, Illinois, in an ant's nest (*Pheidole vinkelica* Forel). In poor condition. Head and antennae mounted in balsam on two slides; abdomen, thorax and legs mounted on two card points on same pin. The genotype of *Urios* Girault (original designation and monobasic).

Zagrammosoma multilineata var. *punicea* Girault

Archiv. für Naturg., Vol. 77, Band I, Suppl. 2, 1911, p. 123.

Lectotype.—♀: Washington, D. C., reared from *Tischeria malifoliella* Clemens, August 7, 1905 (A. A. Girault). Acc. No. 44261.

Paratypes.—♀: Washington, D. C., reared from *Tischeria malifoliella* Clemens, August 7, 1905 (A. A. Girault). Acc. No. 44261.

In fair condition.

Family ELASMIDAE

Elasmus meteori Ashmead

Proc. Ent. Soc. Wash., Vol. 4, No. 3, March, 1897, p. 128.

Paratypes.—♀: Champaign, Illinois, bred from cocoons of *Meteorus vulgaris* Cresson, August 27, 1894 (W. G. Johnson); Tonti, Illinois, bred from cocoons of *Meteorus vulgaris* Cresson, September 5, 1894 (W. G. Johnson).

The head of one paratype is missing.

Family EULOPHIDAE

Aphelinus varicornis Girault

Psyche, Vol. XVI, No. 2, April, 1909, p. 29.

Lectotype.—♀: Chicago, Illinois, reared from *Schizoneura* (*Eriosoma*) *crataegi* Oestlund, November, 1908 and December 12, 1908 (J. J. Davis). Acc. No. 40284. Slide No. 1363.

Paratypes.—♀: Chicago, Illinois, reared from *Schizoneura* (*Eriosoma*) *crataegi* Oestlund, November, 1908 and December 12, 1908 (J. J. Davis). Acc. Nos. 40284 and 40291. Slide Nos. 1363, 1370 and 1387.

In fair condition. Girault in listing the types also mentions "eight females tag-mounted". I found six card point mounts of the eight mentioned in the original description, but unfortunately all the specimens of the adults originally so mounted were missing. Mounted in balsam on three slides; the lectotype being mounted on the same slide with three paratype females. This species is now considered by Gahan (1924) as a synonym of *Aphelinus mali* Haldeman, the latter having priority.

***Astichus bimaculatipennis* Girault**

Can. Ent. Vol. XLIV, No. 1, January, 1912, p. 8.

Type.—♀: Ames, Iowa, reared as a probable hyper-parasite of *Alceris [Peronea] minuta* Robinson, July 27, 1908 (R. L. Webster). Acc. No. 40290. Slide No. 1353.

In poor condition. Head and antennae mounted in balsam on a slide; thorax and part of appendages on a card point. Transferred by Gahan (1917) to the genus *Sympsis* Foerster.

***Coccophagus cinguliventris* Girault**

Psyche, Vol. XVI, No. 4, August, 1909, p. 79.

Lectotype.—♀: Carbondale, Illinois, reared from overwintered females of *Eulecanium nigrofasciatum* (Pergande), June 7, 1908 (L. M. Smith). Acc. No. 37536. Slide No. 1298.

In fair condition. Mounted in balsam on a slide.

***Encarsia versicolor* Girault**

Psyche, Vol. XV, No. 3, June, 1908, p. 53.

Lectotype.—♀: Urbana, Illinois, reared from *Aleyrodes [Trialeurodes] vaporariorum* Westwood, March 20, 1908 (J. J. Davis). Acc. No. 37474. Slide No. 1268.

Lectoallotype.—♂: Urbana, Illinois, reared from *Aleyrodes [Trialeurodes] vaporariorum* Westwood, March 20, 1908 (J. J. Davis). Acc. No. 37474. Slide No. 1291.

Paratypes.—♂ and ♀: Urbana, Illinois, reared from *Aleyrodes [Trialeurodes] vaporariorum* Westwood, March 20, 1908 (J. J. Davis). Acc. No. 37474. Slides No. 1268 and 1269.

Mounted in balsam on three slides. Lectotype on same slide with eight female paratypes.

***Mestocaris williamsoni* Girault**

Journ. N. Y. Ent. Soc., Vol. XIX, No. 3, September, 1911, p. 179.

Lectotype.—♀: Urbana, Illinois, reared from puparia of conopid on *Bombus americanorum* Fabricius [= *Bremus pennsylvanicus* (De Geer)], May 20, 1911. Acc. No. 45067.

Lectoallotype.—♂: Urbana, Illinois, reared from puparia of conopid on *Bombus americanorum* Fabricius [*Bremus pennsylvanicus* (De Geer)], May 20, 1911. Acc. No. 45067.

Paratypes.—♀: Urbana, Illinois, reared from puparia of conopid on *Bombus americanorum* Fabricius [*Bremus pennsylvanicus* (De Geer)], May 20, 1911. Acc. No. 45067.

Lectotype and three paratypes in fair condition, lectoallotype and two paratypes in poor condition.

***Prospaltella fasciativentris* Girault**

Psyche, Vol. XV, No. 4, December, 1908, p. 117.

Lectotype.—♀: Urbana, Illinois, reared apparently from *Chionaspis furfur* Fitch, April 3, 1908 (A. A. Girault). Acc. No. 37481. Slide No. 1270.

Paratypes.—♀: Urbana, Illinois, reared apparently from *Chionaspis furfur* Fitch, April 3, 1908 (A. A. Girault); Urbana, Illinois, reared apparently from *Aspidiotus perniciosus* Comstock, July, 1907 (J. A. West). Acc. No. 37481. Slides No. 1296 and 1270.

In fair condition. Mounted in balsam on two slides.

Prospaltella fuscipennis Girault

Psyche, Vol. XV, No. 4, December, 1908, p. 120.

Lectotype.—♀ Marion, Illinois, reared from *Aspidiotus (Chrysomphalus) obscurus* (Comstock) on oak, August 11-13, 1908 (W. P. Flint). Acc. No. 39306. Slide No. 1271.

Paratypes.—♀ Marion, Illinois, reared from *Aspidiotus (Chrysomphalus) obscurus* (Comstock) on oak, August 11-13, 1908 (W. P. Flint). Acc. No. 39306. Slide No. 1271.

In fair condition. Mounted in balsam on one slide.

Prospaltella perspicuipennis Girault

Journ. N. Y. Ent. Soc., Vol. XVIII, No. 4, December, 1910, p. 234.

Lectotype.—♀ Centralia, Illinois, August 27, 1909 (A. A. Girault). Acc. No. 41679. Slide No. 1419.

Paratype.—♀ Centralia, Illinois, August 31, 1909 (A. A. Girault). Acc. No. 41679. Slide No. 1418.

Mounted in balsam on two slides.

Tetrastichodes hyalinipennis Girault

Zool. Jahrb., Abt. für Syst., Vol. 31, Heft 3, 1911, p. 404.

Paratypes.—♂ and ♀ Villa Morra, Asuncion, Paraguay, February 27, 1905 (J. D. Anisits). Acc. No. 44178. Slide No. 1472.

The legs, fore wing and antennae of one paratypic female mounted in balsam on a slide.

Tetrastichus caerulescens Ashmead

Proc. Ent. Soc. Wash., Vol. 4, No. 3, March, 1897, p. 130.

Type.—♀ Champaign, Illinois, bred from *Habrobracon gelchiae* Ashmead and the primary parasite of *Psorosina (Canarsia) hammondi* Riley, September 6 and 21, 1894 (W. G. Johnson). Acc. No. 21032.

Allotype.—♂ Champaign, Illinois, bred from *Habrobracon gelechiai* Ashmead and the primary parasite of *Psorosina (Canarsia) hammondi* Riley, September 6-21, 1894 (W. G. Johnson). Acc. No. 20087.

Head of allotype is missing.

Tetrastichus carinatus Forbes

Fourteenth Rep. State Ent. Ill., September 2, 1885, p. 48.

Lectotype.—♀ Anna, Illinois, bred from *Phytophaga (Cecidomyia) destructor* (Say), June 24, 1884. Acc. No. 4358.

Lectoallotype.—♂ Anna, Illinois, bred from *Phytophaga (Cecidomyia) destructor* (Say), June 24, 1884. Acc. No. 4358.

Paratypes.—♂ and ♀ Anna, Illinois, bred from *Phytophaga (Cecidomyia) destructor* (Say), June 24, 1884. Acc. No. 4358.

Paratypes in poor condition, two of them being in alcohol.

Tetrastichus johnsoni Ashmead

Trans. Amer. Ent. Soc., Vol. XXIII, 1896, p. 233.

Paratypes.—♀ Urbana, Illinois, reared from a mud wasps' nest, *Pompilus* sp., July 30, 1895 (W. G. Johnson). Acc. No. 21404.

Trichaporus aeneoviridis Girault

Can. Ent., Vol. XLIV, No. 3, March, 1912, p. 75.

Lectotype.—♀ Centralia, Illinois, supposedly reared from a larva of *Epicnaptera (Malacosoma) americana* (Harris) and apparently a primary parasite of it, May 27, 1908 (L. M. Smith and A. A. Girault). Acc. No. 37543.

Paratypes.—♀ Centralia, Illinois, supposedly reared from larvae of *Epicnaptera (Malacosoma) americana* (Harris) and apparently a primary parasite of it, May 27, 1908 (L. M. Smith and A. A. Girault). Acc. No. 37543. Slide No. 1283.

Antenna of one female paratype mounted in balsam on a slide.

Family TRICHOGRAMMATIDAE

Abbella subflava Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, May 29, 1911, p. 11.
 Paratypes.—♀: Centralia, Illinois, August 25, 1909 (A. A. Girault); Litchfield, Illinois, July 13, 1910 (A. A. Girault); Pullman, Washington. Acc. Nos. 41683 and 44164. Slide Nos. 1413, 1414 and 1421.
 Mounted in balsam on three slides. The genotype of *Abbella* Girault (original designation).

Aphelinoidea plutella Girault

Ent. News, Vol. XXIII, No. 7, July, 1912, p. 297.
 Type.—♀: Centralia, Illinois, August 26, 1909 (A. A. Girault). Acc. No. 41680. Slide No. 1415.
 Mounted in balsam on a slide with the lectotype of *Aphelinoidea semifuscipennis* Girault.

Aphelinoidea semifuscipennis Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, May 29, 1911, p. 4.
 Lectotype.—Centralia, Illinois, August 25-26, 1909 (A. A. Girault). Acc. No. 41680. Slide No. 1415.
 Paratype.—♀: Centralia, Illinois, August 25-26, 1909 (A. A. Girault). Acc. No. 41680. Slide No. 1416.
 Mounted in balsam on two slides. The lectotype is mounted on the same slide with the type of *Aphelinoidea plutella* Girault.

Chaetostricha flavipes Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, April 17, 1911, p. 75.
 Paratype.—♀: Fort Valley, Georgia, reared, June 25, 1905. Acc. No. 44194. Slide No. 1490.
 Mounted in balsam on a slide.

Japania ovi Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, April 17, 1911, p. 45.
 Paratype.—♀: Reared from leafhopper eggs on banyau in China. Acc. No. 44185. Slide No. 1460.
 Mounted in balsam on a slide. The genotype of *Japania* Girault (original designation and monobasic).

Neotrichogramma acutiventris Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, April 17, 1911, p. 40.
 Cotypes.—♂ and ♀: Japan, reared from eggs of "Chilo simplex", March, 1910 (S. J. Kuwana). Acc. No. 44169. Slide No. 1420.
 Subsequently synonymized by Girault (1911) as *Neotrichogramma (Trichogramma) japonica* (Ashmead). The genotype of *Neotrichogramma* Girault (original designation and monobasic).

Oligosita americana (Ashmead) Girault

Psyche, Vol. XVI, No. 3, October, 1909, p. 107.
 Lectotype.—♀: Urbana, Illinois, reared from jassid egg deposited within the stem of *Elymus*, May 27, 1905 (R. L. Webster). Acc. No. 41078. Slide No. 1376.
 Paratypes.—♀: Urbana, Illinois, reared from jassid eggs deposited within the stems of *Elymus*, May 27, 1905 (R. L. Webster). Acc. No. 41078. Slide No. 1376.
 Mounted in balsam in one slide. Girault (1909) described species but assigns authorship of species to Ashmead.

Oophthora simblidis Aurivillius

Ent. Tidskr., Vol. XVIII, 1897, p. 253.
 Cotypes.—♀ and ♂: Blido, Sweden, 1896. Acc. No. 44188. Slide No. 3261.
 Transferred to the genus *Pentaritron* (Riley) Packard by Girault (1911).
 Synonymous with *Trichogramma evanescens* Westwood according to Henriksen (1918). The genotype of *Oophthora* Aurivillius (monobasic).

Pentarthron euproctidis Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, April 17, 1911, p. 46.

Paratypes.—♀: Europe, bred from *Euproctis chrysorrhaca* Linnaeus. Gypsy Moth Parasite Laboratory (2006-G. M. L.). Acc. No. 44190. Slide No. 1447.

Mounted in balsam on a slide.

Pentarthron retorridum Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, April 17, 1911, p. 52.

Paratypes.—♂ and ♀: Ames, Iowa, reared from the eggs of *Nelcucania (Meliama) albilinea* (Hübner), September 3, 1910, Experiment 528 (T. M. M.); Ames, Iowa, reared from the eggs of *Nelcucania (Meliama) albilinea* (Hübner), September, 1910, Experiment 602 (R. L. Webster); Ames, Iowa, reared from the eggs of *Nelcucania (Meliama) albilinea* (Hübner), August 30, 1910, Experiment 535 (T. M. M.). Acc. No. 44186. Slide Nos. 1432, 1433 and 1445.

Mounted in balsam on three slides.

Trichogrammatoides lutea Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, May 29, 1911, p. 19.

Paratypes.—♀: Natal, Africa, reared from egg parasite of *Carpocapsa* sp., March 20, 1901 (Claude Fuller). Acc. No. 44167. Slide No. 1431.

Mounted in balsam on one slide.

Trichogrammatella tristis Girault

Archiv. für Naturg., Jahrg. 77, Band I, Suppl. 2, 1911, p. 127.

Paratypes.—♂ and ♀: Tunapunta, Trinidad, reared from eggs of *Horiola arquata*, February, 1911 (F. W. Urich). Acc. No. 44254. Slide No. 1470.

Mounted in balsam on a slide with three female paratypes of *Tumidifemur pulchrum* Girault. The genotype of *Trichogrammatella* Girault (original designation and monobasic).

Tumidiclava pulchrinotum Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, May 29, 1911, p. 8.

Paratype.—♀: Urbana, Illinois, sweepings in meadow, June 8, 1910 (A. A. Girault). Acc. No. 44162. Slide No. 1454.

Mounted in balsam on a slide. The genotype of *Tumidiclava* Girault (original designation and monobasic).

Tumidifemur pulchrum Girault

Archiv. für Naturg., Jahrg. 77, Band I, Suppl. 2, 1911, p. 125.

Paratypes.—♀: Tunapunta, Trinidad, reared from eggs of *Horiola arquata*, February, 1911 (F. W. Urich). Acc. No. 44256. Slide No. 1470.

In fair condition. Mounted in balsam on a slide with three male and four female paratypes of *Trichogrammatella tristis* Girault. The genotype of *Tumidifemur* Girault (original designation and monobasic).

Uscana semifumipennis Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, May 29, 1911, p. 23.

Paratypes.—♂ and ♀: Beeville, Texas—Honolulu, Hawaii, October 30, 1909 (F. Fullaway). Acc. No. 44166.

Mounted in balsam on a single slide. The genotype of *Uscana* Girault (original designation and monobasic).

Uscanella bicolor Girault

Archiv. für Naturg., Jahrg. 77, Band I, Suppl. 2, 1911, p. 129.

Paratype.—♀: Tunapunta, Trinidad, reared from egg of *Horiola arquata*, February, 1911 (F. W. Urich). Acc. No. 44255. Slide No. 1468.

The genotype of *Uscanella* Girault (original designation and monobasic).

Uscanoidea nigriventris Girault

Archiv. für Naturg., Jahrg. 77, Band I, Suppl. 2, 1911, p. 130.

Paratypes.—♂ and ♀: Paraiso, Isthmus of Panama, reared from eggs of "apparently jassids", January 20, 1911 (E. A. Schwarz). Acc. No. 44226. Slide No. 1488.

In fair condition. Mounted in balsam on a slide. The genotype of *Uscanoidca* Girault (original designation and monobasic).

Westwoodella clarimaculosa Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, April 17, 1911, p. 67.

Type.—♀: Pulaski, Illinois, May 14, 1910 (C. A. Hart and A. A. Girault). Acc. No. 44193. Slide No. 1463.

Mounted in balsam on a slide. In a subsequent publication this species was considered by Girault (1911) as a color variety of *Westwoodella sanguinea* Girault.

Westwoodella comospennis Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, April 17, 1911, p. 66.

Paratype.—♀: No locality for this specimen is given. Type in United States National Museum is from "Ithaca, New York". Acc. No. 44187. Slide No. 1462.

Mounted in balsam on a slide.

Westwoodella sanguinea Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, April 17, 1911, p. 58.

Type.—♀: Centralia, Illinois, August 25, 1909 (A. A. Girault). Acc. No. 41681. Slide No. 1410.

Paratypes.—♀: Urbana, Illinois, June 8, 1910 (A. A. Girault); Dalton, Illinois, June 15, 1910 (A. A. Girault). Acc. Nos. 44162 and 44244. Slide Nos. 1453 and 1454.

Mounted in balsam on three slides.

Westwoodella subfasciatipennis Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, April 17, 1911, p. 63.

Allotype.—♂: Pullman, Washington, reared from green jassid egg, October 18, 1909. Acc. No. 44191. Slide No. 1450.

Mounted in balsam on a slide.

Family MYMARIDAE

Alaptus caecilius Girault

Ann. Ent. Soc. Amer., Vol. I, No. 3, September, 1908, p. 189.

Paratypes.—♂ and ♀: Los Angeles, California, reared from eggs of *Psocus*. July 21, 1888 (D. W. Coquillett). Acc. No. 37491. Slide No. 1303.

Mounted in balsam on a slide.

Alaptus eriococci Girault

Ann. Ent. Soc. Amer., Vol. I, No. 3, September, 1908, p. 191.

Paratypes.—♂ and ♀: Los Angeles, California, reared from *Eriococcus araucariae* Maskell, September 5, 1887. Acc. No. 37490. Slide No. 1302.

Mounted in balsam on one slide.

Alaptus intonsipennis Girault

Journ. N. Y. Ent. Soc., Vol. XVIII, No. 4, December, 1910, p. 244.

Lectotype.—♀: Bloomington (Hendrix), Illinois, July 22, 1910 (A. A. Girault). Acc. No. 44115. Slide No. 1417.

Paratype.—♀: Bloomington (Hendrix), Illinois, July 22, 1910 (A. A. Girault). Acc. No. 44115. Slide No. 1417.

Mounted in balsam on one slide.

Anagrus armatus var. *nigriventris* Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, October 18, 1911, p. 291.

Lectotype.—♀: Centralia, Illinois, August 25, 1909 (A. A. Girault). Acc. No. 44220. Slide No. 1483.

Paratype.—♀: Centralia, Illinois, August 25, 1909 (A. A. Girault). Acc. No. 44220. Slide No. 1482.

Mounted in balsam on two slides.

Anagrus epos Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, October 18, 1911, p. 292.

Lectotype.—♀: Centralia, Illinois, September 4, 1909 (A. A. Girault). Acc. No. 44222. Slide No. 1461.

Allotype.—♂: Centralia, Illinois, September 4, 1909 (A. A. Girault). Acc. No. 44222. Slide No. 1461.

Paratypes.—♀: Centralia, Illinois, September 4, 1909 (A. A. Girault); Urbana, Illinois, October 8, 1910 (A. A. Girault). Acc. Nos. 44222 and 45077. Slide Nos. 1441 and 1461.

Lectotype, lectoallotype and paratypes mounted in balsam on the same slide and according to the label of Girault with a specimen of *Alaptus caeculii* Girault. One paratype mounted in balsam on a slide with seven females of *Camptoptera pulla* Girault.

Anagrus spiritus Girault

Ent. News, Vol. XXII, No. 5, May, 1911, p. 209.

Type.—♀: Fort Collins, Colorado, probably from egg of *Aphis pomi*, 1904 (S. A. Johnson). Acc. No. 41009. Slide No. 1400.

Allotype.—♂: Fort Collins, Colorado, probably from egg of *Aphis pomi*, 1904 (S. A. Johnson). Acc. No. 41009. Slide No. 1400.

Accession number 41009 and not 40809 as stated by Girault in original description. Mounted in balsam on one slide.

Anaphes hercules Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, October 18, 1911, p. 285.

Type.—♀: Urbana, Illinois, June 8, 1910 (A. A. Girault). Acc. No. 44242. Slide No. 1504.

Mounted in balsam on a slide with one paratypic female of *Polynema consobrinus* Girault.

Anaphes nigrellus Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, October 18, 1911, p. 282.

Type.—♀: Urbana, Illinois, June 26, 1909 (J. D. Hood). Acc. No. 44228. Slide No. 1520.

Mounted in balsam on a slide.

Anaphoidea pullicura Girault

Journ. N. Y. Ent. Soc., Vol. XVIII, No. 4, December, 1910, p. 252.

Type.—♀: Centralia, Illinois, August 26, 1909 (A. A. Girault). Acc. No. 41686. Slide No. 1435.

Mounted in balsam on a slide.

Anaphoidea sordidata Girault

Journ. N. Y. Ent. Soc., Vol. XVII, No. 4, December, 1909, p. 169.

Type.—♀: Centralia, Illinois, from egg of the common weevil *Tyloderma foveolata* (Say), June 26, 1909 (A. A. Girault). Acc. No. 41651. Slide No. 1423.

Lectoallotype.—♂: Centralia, Illinois, from egg of the common weevil *Tyloderma foveolata* (Say), June 27, 1909 (A. A. Girault). Acc. No. 41651. Slide No. 1422.

Paratype.—♂: Centralia, Illinois, from egg of the common weevil *Tyloderma foveolata* (Say), July 4, 1909 (A. A. Girault). Acc. No. 41656. Slide No. 1425.

Mounted in balsam on three slides. The genotype of *Anaphoidea* Girault (original designation and monobasic).

Camptoptera pulla Girault

Ann. Ent. Soc. Amer., Vol. II, No. 1, March, 1911, p. 27.

Lectotype.—♀: Urbana, Illinois, July 15, 1908 (J. D. Hood). Acc. No. 39116. Slide No. 1307.

Mounted in balsam on a slide.

Gonatocerus fasciatus Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, October 18, 1911, p. 265.

Lectotype.—♀: Arlington, Virginia, July 6. Acc. No. 44238. Slide No. 1479.

- Paratype.—♀: Arlington, Virginia, July 6. Acc. No. 44238. Slide No. 1479.
 In fair condition. Mounted in balsam on one slide.
- Gonatocerus pygmaeus** Girault
 Trans. Amer. Ent. Soc., Vol. XXXVII, October 18, 1911, p. 269.
 Paratype.—♀: Mississippi. Acc. No. 44249. Slide No. 1484.
 In fair condition. Mounted in balsam on a slide.
- Gonatocerus rivalis** Girault
 Trans. Amer. Ent. Soc., Vol. XXXVII, October 18, 1911, p. 257.
 Paratypes.—♀: Butler, Illinois, July 21, 1910 (C. A. Hart and A. A. Girault); Pulaski, Illinois, May 14, 1910 (C. A. Hart and A. A. Girault). Acc. No. 44212. Slide Nos. 1477 and 1478.
- Polynema citripes** (Ashmead) Girault
 Journ. N. Y. Ent. Soc., Vol. XIX, No. 1, March, 1911, p. 19.
 Cotypes.—♀: Centralia, Illinois, on window, August 25, 1909 (A. A. Girault). Acc. No. 44175. Slide Nos. 1339 and 1436.
 One bears data "Cosmocoma citripes Ash. female Type from Ind.". Description is by Girault, but Ashmead was given credit for the species.
 Mounted in balsam on two slides.
- Polynema consobrinus** Girault
 Trans. Amer. Ent. Soc., Vol. XXXVII, October 18, 1911, p. 309.
 Lectoallotype.—♂: Pekin, Illinois, August 14, 1883 (S. A. Forbes). Acc. No. 3816.
 Paratypes.—♂ and ♀: Normal, Illinois, June 15, 1883 (S. A. Forbes); Urbana, Illinois, April 30 and June 8, 1910 (A. A. Girault); Chicago, Illinois, September 15, 1908 (J. J. Davis). Acc. Nos. 3391, 40029, 44242 and 44245. Slide Nos. 1333, 1401, 1452 and 1504.
 Mounted in balsam on four slides. One of the female paratypes is mounted on a slide with paratypes of *Polynema enchenopae* Girault, and another female paratype is on a slide with the type of *Anaphes hercules* Girault.
- Polynema enchenopae** Girault
 Journ. N. Y. Ent. Soc., Vol. XIX, No. 1, March, 1911, p. 15.
 Paratypes.—♂ and ♀: Chicago, Illinois, September 15, 1908 (J. J. Davis). Acc. No. 40029. Slide No. 1401.
 Mounted in balsam on a slide with one female paratype of *Polynema consobrinus* Girault.
- Polynema sibylla** Girault
 Trans. Amer. Ent. Soc., Vol. XXXVII, October 18, 1911, p. 311.
 Paratype.—♀: Algonquin, Illinois, May 10, 1896 (W. A. Nason). Acc. No. 44246. Slide No. 1348.
 Mounted in balsam on a slide. The head is missing.
- Polynema striaticorne** Girault
 Journ. N. Y. Ent. Soc., Vol. XIX, No. 1, March, 1911, p. 12.
 Paratypes.—♂ and ♀: Geneva, New York, reared from membracid eggs, April 30, 1908. Acc. No. 44176. Slide No. 1437.
 Mounted in balsam on one slide.
- Polynema zetes** Girault
 Trans. Amer. Ent. Soc., Vol. XXXVII, October 18, 1911, p. 314.
 Type.—♀: Urbana, Illinois, July 27, 1910 (A. A. Girault). Acc. No. 44248. Slide No. 1446.
 Mounted in balsam on a slide.
- Stephanodes psecas** Girault
 Journ. N. Y. Ent. Soc., Vol. XX, No. 1, March, 1912, p. 41.
 Lectotype.—♀: Butler, Illinois, July 15, 1910 (A. A. Girault). Acc. No. 44209. Slide No. 1485.
 Paratype.—♀: Urbana, Illinois, June 8, 1910 (A. A. Girault). Acc. No. 44209. Slide No. 1485.

In fair condition. Subsequently placed by Girault in the genus *Polynema* Haliday. Mounted in balsam on a slide.

Stethynium faunum Girault

Trans. Amer. Ent. Soc., Vol. XXXVII, October 18, 1911, p. 298.

Type.—♀: Bloomington (Hendrix), Illinois, June 14, 1910 (A. A. Girault). Acc. No. 44244. Slide No. 1453.

Mounted in balsam on a slide with one paratype female of *Westwoodella sanguinea* Girault.

Stichothrix bifascitipennis Girault

Psyche, Vol. XV, No. 4, December, 1908, p. 115.

Paratype.—♀: Washington, D. C., reared from eggs of *Anaxipha exigua* (Say), May 6, 1905 (T. Pergande). Acc. No. 37487. Slide No. 1297.

Mounted in balsam on a slide. Placed by Girault at a later date in the genus *Polynema* Haliday.

Family TIPHIIDAE

Neotiphia acuta Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. I, October, 1918, p. 9.

Lectotype.—♂: Texas.

Lectoallotype.—♀: Texas.

Paratypes.—♂: Texas.

The genotype of *Neotiphia* Malloch (original designation and monobasic).

Tiphia affinis Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. I, October, 1918, p. 19.

Lectotype.—♂: Galena, Illinois, July 8, 1917 (C. A. Hart and J. R. Malloch).

Lectoallotype.—♀: Galena, Illinois, July 8, 1917 (C. A. Hart and J. R. Malloch).

Paratypes.—♂: Galena, Illinois, July 8, 1917 (C. A. Hart and J. R. Malloch); Dubois, Illinois, August 10, 1917 (J. R. Malloch).

Head of one of the paratypes is missing.

Tiphia arida Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. I, October, 1918, p. 20.

Type.—♀: Havana, Illinois, Devil's Hole, August 13, 1903 (C. A. Hart).

Acc. No. 35530.

Tiphia aterrima Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. I, October, 1918, p. 19.

Lectotype.—♀: Urbana, Illinois, September 6, 1891 (C. A. Hart). Acc. No. 17424.

Paratypes.—♀: Urbana, Illinois, September 6, 1891 (C. A. Hart). Acc. No. 17424.

Tiphia clypeolata Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. I, October, 1918, p. 16.

Paratype.—♀: Dubois, Illinois, August 10, 1917 (J. R. Malloch).

Tiphia conformis Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. I, October, 1918, p. 22.

Lectotype.—♂: Quincy, Illinois, on thistles, August 13, 1889 (C. A. Hart). Hart Acc. No. 554.

Lectoallotype.—♀: Quincy, Illinois, on thistles, August 13, 1889 (C. A. Hart). Hart Acc. No. 554.

Paratype.—♀: Brownsville, Texas, November 24, 1911 (C. A. Hart).

Lectoallotype has abdomen missing. The male has been selected as the lectotype because of the poor condition of the single female from the "Type locality" of Quincy.

Tiphia inaequalis Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. I, October, 1918, p. 22.

Lectotype.—♂: Dubois, Illinois, August 9, 1917 (J. R. Malloch).
 Paratypes.—♂: Dubois, Illinois, August 9, 1917 (J. R. Malloch).

Tiphia punctata var. *intermedia* Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. 1, October, 1918, p. 21.
 Lectotype.—♀: Carlinville, Illinois (C. Robertson).

Tiphia robertsoni Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. 1, October, 1918, p. 23.
 Lectotype.—♀: Carlinville, Illinois, August (C. Robertson).

Paratypes.—♀: Urbana, Illinois, July 23, 1891 (McElfresh and C. A. Hart); Urbana, Illinois, September 9, 1892 (Kahl); Urbana, Illinois, August 30, 1914; Muncie, Illinois, September 7, 1914; Alto Pass, Illinois, August 13, 1891 (Shiga and C. A. Hart); Falls Church, Virginia, September 6-10 (N. Banks). Acc. Nos. 17000, 17216 and 20243.

Tiphia rugulosa Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. 1, October, 1918, p. 15.
 Lectotype.—♂: Urbana, Illinois, University Forestry, November 10, 1915 (J. R. Malloch).

Lectoallotype.—♀: Homer, Illinois, July 20, 1907 (C. A. Hart).

Paratype.—♀: Urbana, Illinois, University grounds, June 25, 1888 (J. Marten and C. A. Hart). Acc. No. 14512.

Tiphia similis Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. 1, October, 1918, p. 18.

Lectotype.—♂: Waukegan, Illinois, August 25, 1917 (J. R. Malloch).

Paratype.—♂: Cherry Valley, Illinois, August 17, 1883. Acc. No. 3960.

Tiphia subcarinata Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. 1, October, 1918, p. 15.

Paratype.—♂: Grand Junction, Michigan, July 15, 1914 (C. A. Hart).

Tiphia texensis Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. 1, October, 1918, p. 20.

Cotype.—♀: Dallas, Texas.

Tiphia tuberculata Malloch

Bull. Ill. State Nat. Hist. Surv., Vol. XIII, Art. 1, October, 1918, p. 14.

Lectotype.—♂: Meredosia, Illinois, by sweeping foliage of blackjack oak along margin of a sand pit, August 22, 1917, (T. H. Frison, C. A. Hart and J. R. Malloch).

Lectoallotype.—♀: Meredosia, Illinois, by sweeping foliage of black-jack oak along margin of a sand pit, August 22, 1917 (T. H. Frison, C. A. Hart and J. R. Malloch).

Paratypes.—♂ and ♀: Meredosia, Illinois, by sweeping foliage of blackjack oak along margin of a sand pit, August 22, 1917 (T. H. Frison, C. A. Hart and J. R. Malloch); Dubois, Illinois, August 8, 1917; Havana, Illinois, August 30-31, 1917; Bluffs, Illinois, August 19, 1917 (J. R. Malloch and C. A. Hart). Slide No. 3142.

Genitalia of one male paratype mounted in balsam on a slide.

Family SPHECIDAE

Ammophila argentata Hart

Bull. Ill. State Lab. Nat. Hist., Vol. VII, Art. VII, Part III, January, 1907, p. 266.

Lectotype.—♀: Topeka, Illinois, Devil's Neck, June 7, 1905 (C. A. Hart).

Paratype.—♀: Havana, Illinois, Devil's Hole, August 22, 1906 (C. A. Hart). Acc. No. 35693.

Paratype has head missing. Now placed in the genus *Sphex* Linnaeus.

Family ANDRENIDAE

Andrena (Micrandrena) amplificata Cockerell

Can. Ent., Vol. XLII, No. 11, November 11, 1910, p. 368.

Paratype.—♀: Steamboat Springs, Colorado, May 27 (T. D. A. Cockerell).

Andrena banksi Malloch

Bull. Brook. Ent. Soc., Vol. XII, No. 4, October, 1917, p. 89.

Type.—♀: Fedor, Texas, March 13, 1903 (Birkmann).

Allotype.—♂: Great Falls, Maryland, April 27 (N. Banks).

Paratypes.—♂: Maryland, near Plummer's Island, on flowers of *Prunus*, April 22, 1917 (H. L. Viereck); Great Falls, Maryland, April 27 (N. Banks).**Andrena costillensis** Viereck and Cockerell

Proc. U. S. Nat. Mus., Vol. 48, No. 2064, November 28, 1914, p. 50.

Paratype.—♀: Eldora, Colorado, at flowers of *Grindelia*, August 19, 1910 (T. D. A. and W. R. Cockerell).**Andrena flexa** Malloch

Bull. Brook. Ent. Soc., Vol. XII, No. 4, October, 1917, p. 92.

Type.—♂: Dubois, Illinois, on flowers of raspberry or *Crataegus*, May 15, 1916 (C. A. Hart and J. R. Malloch).Paratypes.—♀: Dubois, Illinois, on flowers of raspberry and *Crataegus*, May 15, 1916 (C. A. Hart and J. R. Malloch); Dubois, Illinois, on flowers of raspberry and *Crataegus*, May 24, 1917 (C. A. Hart and J. R. Malloch).**Andrena lappulae** Cockerell

Bull. Amer. Mus. Nat. Hist., Vol. XXII, Art. XXV, 1906, p. 437.

Paratype.—♂: Florissant, Colorado, on flowers of *Lappula floribunda*, July 19 (T. D. A. Cockerell).

Labeled by author as a cotype.

Andrena micranthrophila Cockerell

Bull. Amer. Mus. Nat. Hist., Vol. XXII, Art. XXV, 1906, p. 432.

Paratype.—♂: Colorado, east of Lake George, on flowers of *Chamaerhodos erectus*, June 18 (T. D. A. Cockerell).

Labeled by author as a cotype.

Andrena regularis Malloch

Bull. Brook. Ent. Soc., Vol. XII, No. 4, October, 1917, p. 91.

Paratype.—♂: Ithaca, New York, May 19, 1914. Slide No. 3259.

Genital structures of male paratype only mounted in balsam on a slide.

Family HALICTIDAE

Halictus euryceps Ellis

Ent. News, Vol. XXV, No. 3, March, 1914, p. 98.

Paratypes.—♀: Beulab, New Mexico, at flowers of *Polemonium*, August 25, 1899 (W. Porter) and end of August (T. D. A. Cockerell).

Labeled by author as cotypes.

Family MEGACHILIDAE

Megachile willughbiella kudiensis Cockerell

Ann. Mag. Nat. Hist., Ser. 9, Vol. XIII, No. 77, May, 1924, p. 529.

Paratype.—♀: Kudia River, Amagus, Siberia, July, 1923 (T. D. A. Cockerell).

Labeled by author as cotype.

Family COLLETIDAE

Caupolicana malvacearum Cockerell

Ann. Mag. Nat. Hist., Ser. 9, Vol. 17, No. 98, February, 1926, p. 214.

Paratype.—♂: Tingo, Peru, August 18 (T. D. A. Cockerell).

**TYPES IN THE ANDREAS BOLTER COLLECTION
OF INSECTS**

(Natural History Museum, University of Illinois)

ORDER COLEOPTERA

Family CLERIDAE

Priocera lecontei Wolcott

Field Mus. Nat. Hist., Zool. Ser., Vol. VII, May, 1910, p. 356.
Type.—sex?: California.

ORDER LEPIDOPTERA

Family HEPIALIDAE

Hepialus confusus Hy. Edwards

Papilio, Vol. IV, Nos. 7 and 8, September, 1884, p. 122.

Type.—♀: Sitka, Alaska.

In fair condition. The specimen is labeled simply "Sitkha".

Family GLYPHIPTERYGIDAE

Thia extranea Hy. Edwards

Ent. Amer., Vol. III, No. 10, January, 1888, p. 181.

Cotype.—♂: Los Angeles, Southern California, on flowers, April, 1879
(A. J. Bolter).

The genotype of *Thia* Hy. Edwards (monobasic). Now placed in the genus
Thelethia Dyar.

Family PYRALIDAE

Zophodia epischnioides Hulst

Can. Ent., Vol. XXXII, No. 6, June, 1900, p. 173.

Cotype.—♂: Las Vegas, New Mexico.

No locality or number of specimens in type series stated by Hulst in original description. Labeled "Type" in handwriting of Hulst.

Family GEOMETRIDAE

Diastictis speciosa Hulst

Trans. Amer. Ent. Soc., Vol. XXIII, September, 1896, p. 332.

Cotype.—♀: Hot Springs, New Mexico, 7000 feet altitude, August.

Now placed in the genus *Meris* Hulst.

Hydriomena neomexicana Hulst

Trans. Amer. Ent. Soc., Vol. XXIII, August, 1886, p. 285.

Cotype.—♀: Colorado (Bruce).

Now placed in the genus *Campptogramma* Stephens.

Plemyria georgii Hulst

Trans. Amer. Ent. Soc., Vol. XXIII, August, 1896, p. 280.

Cotype.—♂: Victoria, Vancouver.

Now placed in the genus *Thera* Stephens.

Selidosema albescens Hulst

Trans. Amer. Ent. Soc., Vol. XXIII, September, 1896, p. 355.

Type.—♂: Seattle, Washington.

Symphetra julia Hulst

Trans. Amer. Ent. Soc., Vol. XXIII, September, 1886, p. 338.

Cotype?—♂: Duluth, Minnesota.

Described from a number of specimens from various collectors and localities. This male is labeled "Type" in the handwriting of Hulst, but this locality is not given in the original description. This species is now considered as synonymous with *loricaria* Eversmann and placed in the genus *Dysmigia* Warren.

Family NOTODONTIDAE

Heterocampa superba Hy. Edwards

Papilio, Vol. IV, Nos. 7 & 8, September, 1884, p. 121.

Type.—♀: San Antonio, Texas.

The specimen is labeled simply "Tex.". Now considered as a synonym of *Heterocampa subrotata* Harvey.

Macrurocampa dorothea Dyar

Can. Ent., Vol. XXVIII, No. 7, July, 1896, p. 176.

Type.—♀: Las Vegas, New Mexico.

Now placed in the genus *Fentonia* Butler.

Family NOCTUIDAE

Pseudalypia crotchii var. *atrata* Hy. Edwards

Papilio, Vol. IV, Nos. 7 and 8, September, 1884, p. 121.

Type.—♀:

In fair condition. This specimen is very probably the type, since this species was described from the Bolter Collection and no type exists in the Henry Edwards Collection. Contrary to the original description, the specimen is a female and not a male as stated and it bears a locality label "San Diego, April 23, '79, S. California" instead of "Los Angeles". Now considered as a form of *Pseudalypia crotchii* Hy. Edwards.

Family ARCTIIDAE

Halisdota significans Hy. Edwards

Ent. Amer., Vol. III, No. 10, January, 1888, p. 182.

Type.—♂: Las Vegas, New Mexico.

The specimen is labeled simply "N. Mex.". Now placed in the genus *Aemilia* Kirby and considered as a subspecies of *roseata* Walker.

**TYPES IN THE A. D. MACGILLIVRAY COLLECTION OF
TENTHREDINOIDEA**

(Department of Entomology, University of Illinois)

Family XYELIDAE

***Macroxyela bicolor* MacGillivray**

Can. Ent., Vol. XLIV, No. 10, October, 1912, p. 294.

Type.—♂: Columbus, Ohio (J. S. Hine).

Paratype.—♂: Columbus, Ohio (J. S. Hine).

***Macroxyela distincta* MacGillivray**

Can. Ent., Vol. XLIV, No. 10, October, 1912, p. 295.

Type.—♀: Ithaca, New York, April 13, 1897 (J. C. Martin).

Allotype.—♂: Ithaca, New York, April 13, 1897 (J. O. Martin).

Paratypes.—♀: Ithaca, New York, April 28, 1897 (J. O. Martin).

***Macroxyela obsoleta* MacGillivray**

Can. Ent., Vol. XLIV, No. 10, October, 1912, p. 294.

Type.—♀: Ithaca, New York, April 13, 1897 (J. O. Martin).

***Xyela intrabilis* MacGillivray**

Bull. Brooklyn Ent. Soc., Vol. XVIII, No. 2, May, 1923, p. 53.

Type.—♂: Wyandanch, Long Island, New York, April 22, 1917 (F. M. Schott).

Family PAMPHILIIDAE

***Acantholyda modesta* MacGillivray**

Bull. Brooklyn Ent. Soc., Vol. XVIII, No. 2, May, 1923, p. 53.

Type.—♀: Wyandanch, Long Island, New York, July 4, 1917 (F. M. Schott).

***Caenolyda onekama* MacGillivray**

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 8.

Type.—♀: Onekama, Michigan, on shore of Lake Michigan, July 17, 1914 (A. D. MacGillivray).

***Cephaelia criddlei* MacGillivray**

Can. Ent., Vol. XLIV, No. 10, October, 1912, p. 296.

Type.—♀: Aweme, Manitoba, Canada, July 31, 1906 (N. Criddle).

***Cephaelia dissipator* MacGillivray**

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, pp. 8-9.

Type.—♂: Guelph, Ontario, Canada, No. 839 (T. D. Jarvis).

Paratype.—♂: Guelph, Ontario, Canada, No. 839 (T. D. Jarvis).

In fair condition.

***Cephaelia distincta* MacGillivray**

Can. Ent., Vol. XLIV, No. 10, October, 1912, p. 296.

Type.—♂: Mount Washington, New Hampshire (A. T. Slosson).

***Cephaelia jensei* MacGillivray**

Can. Ent., Vol. XLIV, No. 10, October, 1912, p. 297.

Type.—♀: Eagle Bend, Minnesota, July, 1909 (J. P. Jensen).

***Itycorsia angulata* MacGillivray**

Can. Ent., Vol. XLIV, No. 10, October, 1912, p. 295.

Type.—♀: Axton, New York, June 12-22, 1901 (C. O. Houghton and A. D. MacGillivray).

Paratype.—♀: Wallingford, Connecticut, July 7, 1911 (J. K. Lewis).

Itycorsia balanata MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 18.

Type.—♀: Mary's Peak, Corvallis, Oregon (Siler).

Itycorsia balata MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 18.

Type.—♀: Mary's Peak, Corvallis, Oregon (Nelson).

Itycorsia ballista MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 19.

Type.—♀: Corvallis, Oregon, May 5, 1901.

Abdomen partially missing.

Pamphilus dentatus MacGillivray

Can. Ent., Vol. XLIV, No. 10, October, 1912, p. 297.

Type.—♀: Wilbraham, Massachusetts, June 10, 1902 (J. O. Martin).

Lectoallotype.—♂: Hamden, Connecticut, May 24, 1910, (B. H. Walden).

Paratypes.—♂ and ♀: Hamden, Connecticut, on blackberry, May 24, 1910 (B. H. Walden); Wallingford, Connecticut, June 8, 1911 (B. H. Walden).

Pamphilus fletcheri MacGillivray

Can. Ent., Vol. XLIV, No. 10, October, 1912, p. 298.

Paratype.—♀: St. John, New Brunswick, larvae on leaves of raspberry, 1899.

Pamphilus fortuitus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 27.

Type.—♀: Olympia, Washington, July 5, 1896 (T. Kincaid).

Paratype.—♀: Olympia, Washington, July 5, 1896 (T. Kincaid).

Pamphilus persicum MacGillivray

Can. Ent., Vol. XXXIX, No. 9, September, 1907, p. 308.

Type.—♀: Yalesville, Connecticut, on peach, June 14, 1906 (B. H. Walden).

Spelling of specific name emended by MacGillivray from *persicum* to *persicus*.

Pamphilus transversa MacGillivray

Can. Ent., Vol. XLIV, No. 10, October, 1912, p. 297.

Type.—♂: Franconia, New Hampshire (A. T. Slosson).

In original description it is stated that the female is described, but the type is a male.

Pamphilus unalatus MacGillivray

Bull. Brooklyn Ent. Soc., Vol. XV, No. 4, October, 1920, p. 112.

Type.—♀: Ithaca, New York, May 20, 1919, reared (H. Yuasa, 183-I).

Family TENTHREDINIDAE

Acordulecera maculata MacGillivray

Can. Ent., Vol. XL, No. 5, May, 1908, p. 169.

Type.—♀: Slaterville—Caroline, New York, June 14, 1904.

Lectoallotype.—♂: Caroline-Harford, New York, June 15, 1904.

Paratypes.—♀ and ♂: McLean, New York, July 2-3, 1904, and Caroline—Harford, New York, June 15, 1904.

The type locality is reported as "Ithaca, N. Y." in the original description.

Acordulecera marina MacGillivray

Can. Ent., Vol. XL, No. 5, May, 1908, p. 170.

Type.—♂: Salineville, Ohio.

Acordulecera maura MacGillivray

Can. Ent., Vol. XL, No. 5, May, 1908, p. 168.

Type.—♀: North Mountain, Pennsylvania, June 2, 1897.

Paratype.—♀: Ames, Iowa, June 11, 1897.

- Acordulecera maxima** MacGillivray
 Can. Ent., Vol. XL, No. 5, May, 1908, p. 168.
 Type.—♀: Ithaca, New York, May 26, 1899.
- Acordulecera media** MacGillivray
 Can. Ent., Vol. XL, No. 5, May, 1908, p. 168.
 Type.—♀: Algonquin, Illinois (W. A. Nason).
- Acordulecera meleca** MacGillivray
 Bull. Brooklyn Ent. Soc., Vol. XVI, No. 1, February, 1921, p. 23.
 Type.—♂: Ithaca, New York, bred, May 10, 1919, No. 196-2-1 (H. Yuasa).
 Paratype.—♂: Ithaca, New York, bred, August 19, 1918, No. 196-2-1 (H. Yuasa).
- Acordulecera mellina** MacGillivray
 Can. Ent., Vol. XL, No. 5, May, 1908, p. 169.
 Type.—♀: Mount Washington, New Hampshire (A. T. Slosson).
- Acordulecera minima** MacGillivray
 Can. Ent., Vol. XL, No. 5, May, 1908, p. 168.
 Type.—♀: Edge Hill, Pennsylvania, May 13, 1900 (G. M. Greene).
 Paratype.—♀: Ithaca, New York, June 12, 1891.
- Acordulecera minutula** MacGillivray
 Can. Ent., Vol. XL, No. 5, May, 1908, p. 169.
 Type.—♀: Ames, Iowa, June, 1897 (E. D. Ball).
 Paratype.—♀: Ames, Iowa, June, 1897 (E. D. Ball).
- Acordulecera mixta** MacGillivray
 Can. Ent., Vol. XL, No. 5, May, 1908, p. 169.
 Type.—♀: Columbia, Missouri, May 19, 1905 (C. R. Crosby).
 Lectoallotype.—♂: Ashbourne, Pennsylvania, May 24, 1900 (H. L. Vier-
 eck).
 Paratypes.—♀ and ♂: Ithaca, New York, July 2, 1902; Salineville, Ohio;
 Delaware County, Pennsylvania, May 25, 1905 (Cresson); Ames, Iowa,
 June 23, 1896 (E. D. Ball).
 The lectoallotype was labeled by MacGillivray as a paratype.
- Acordulecera munda** MacGillivray
 Can. Ent., Vol. XL, No. 5, May, 1908, p. 169.
 Type.—♀: Ithaca, New York, bred, February 26, 1898 (C. Young).
 Paratype.—♀: Ithaca, New York, February 28, 1898 (C. Young).
- Acordulecera musta** MacGillivray
 Bull. Brooklyn Ent. Soc., Vol. XVI, No. 1, February, 1921, p. 23.
 Type.—♂: Ithaca, New York, bred, May 29, 1919, No. 144-5-1 (H. Yuasa).
- Allantus universus** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 6.
 Type.—♀: Highlands, North Carolina, September, 1906 (F. Sherman).
 Paratype.—♀: Highlands, North Carolina, September, 1906 (F. Sherman).
- Amauronematus vacalus** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 6.
 Type.—♀: Corvallis, Oregon, May 13 (F. M. McE).
- Amauronematus vacivus** MacGillivray
 Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 28.
 Type.—♂: Orono, Maine, August 19, 1913, Sub. 61.
- Amauronematus valerius** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 6.
 Type.—♂: Hood River, Oregon, August 2, 1914 (L. Childs).
- Amauronematus vanus** MacGillivray
 Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 27.
 Type.—♀: Orono, Maine, July 26, 1913, Sub. 133.
- Amauronematus venaticus** MacGillivray
 Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 29.
 Type.—♂: Orono, Maine, July 20, 1913, Sub. 6.

Amauronematus veneficus MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 169.
Type.—♀: Katmai, Alaska, June, 1917 (J. S. Hine).

Amauronematus venerandus MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 30.
Type.—♂: Orono, Maine, Sub. 27.

Amauronematus ventosus MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 169.
Type.—♀: Valdez, Alaska, June 4, 1919 (J. S. Hine).

Amauronematus verbosus MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 29.
Type.—♀: Orono, Maine, Sub. 162.

Amauronematus veridicus MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 170.
Type.—♀: Katmai, Alaska, July, 1917 (J. S. Hine).

Amauronematus vescus MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 30.
Type.—♀: Orono, Maine, Sub. 112.

Paratypes.—♀: Orono, Maine, Sub. 112.

Amauronematus visendus MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 28.
Type.—♀: Orono, Maine, Sub. 29.

Lectoallotype.—♂: Orono, Maine, Sub. 16.

The lectoallotype was labeled by MacGillivray as a paratype.

Aphanisus lobatus MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 295.

Type.—♀: Ormond, Florida (A. T. Slosson).

The genotype of *Aphanisus* MacGillivray (original designation).

Aphanisus muricatus MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 296.

Type.—♀: Ithaca, New York, May 3, 1895.

Aphanisus nigritus MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 296.

Type.—♀: Riverton, New Jersey, May 1, 1898 (H. L. Viereck).

Aphanisus obsitus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 7.

Type.—♀: Moscow, Idaho (J. M. Aldrich).

Aphanisus occiduus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 7.

Type.—♀: Juliaetta, Idaho, May 7, 1899 (J. M. Aldrich).

Aphanisus odoratus MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 296.

Type.—♀: Ithaca, New York, May 11, 1898.

Aphanisus parallelus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 7.

Type.—♀: Colorado (C. F. Baker).

Astochus aldrichi MacGillivray

Can. Ent., Vol. XLVI, No. 4, April, 1914, p. 137.

Type.—♀: Juliaetta, Idaho (J. M. Aldrich).

Transferred by Rohwer (1918) to the genus *Laurentia* Costa.

Astochus fletcheri MacGillivray

Can. Ent., Vol. XLVI, No. 3, March, 1914, p. 108.

Type.—♀: Kaslo, British Columbia, May 28, 1906 (J. Fletcher).

The genotype of *Astochus* MacGillivray (original designation).

Transferred by Rohwer (1918) to the genus *Laurentia* Costa and synonymized as *Laurentia edwardsii* var. *ruficornis* (MacGillivray).

- Blennocampa abjecta** MacGillivray
 Bull. Brooklyn Ent. Soc., Vol. XVI, No. 1, February, 1921, p. 22.
 Type.—♀: Ithaca, New York, bred, August, 1917, No. 71-1 (H. Yuasa).
- Blennocampa abnorma** MacGillivray
 Can. Ent., Vol. XL, No. 8, August, 1908, p. 296.
 Type.—♂: Ithaca, New York, April 10, 1897.
- Blennocampa absone** MacGillivray
 Bull. Brooklyn Ent. Soc., Vol. XVI, No. 1, February, 1921, p. 22.
 Type.—♀: Orono, Maine, bred, on leaves of *Oenothera*, August 12, 1913, Sub. 186.
 Lectotype.—♂: Orono, Maine, bred, on leaves of *Oenothera*, August 12, 1913, Sub. 186.
 Paratype.—♀: Orono, Maine, bred, on leaves of *Oenothera*, August 12, 1913, Sub. 186.
 The lectotype was labeled by MacGillivray as a paratype.
- Blennocampa acuminata** MacGillivray
 Can. Ent., Vol. XL, No. 8, August, 1908, p. 297.
 Type.—♀: Chicopee, Massachusetts, April 26, 1897 (J. O. Martin).
- Blennocampa adusta** MacGillivray
 Can. Ent., Vol. XL, No. 8, August, 1908, p. 297.
 Type.—♀: Wellesley, Massachusetts, April 21, 1891 (A. P. Morse).
- Blennocampa amara** MacGillivray
 Can. Ent., Vol. LV, No. 7, July, 1923, p. 161.
 Type.—♀: Edmonton, Alberta, Canada, May 21, 1917 (F. S. Carr).
- Blennocampa angulata** MacGillivray
 Can. Ent., Vol. XL, No. 8, August, 1908, p. 297.
 Type.—♀: Wellesley, Massachusetts, April 26, 1892 (A. P. Morse).
- Blennocampa antennata** MacGillivray
 Can. Ent., Vol. XL, No. 8, August, 1908, p. 296.
 Type.—♀: Durham, New Hampshire (W. and F.).
- Blennocampa aperta** MacGillivray
 Can. Ent., Vol. XL, No. 8, August, 1908, p. 297.
 Type.—♀: West Haven, Connecticut, April 25, 1905 (E. B. Whittlesey).
- Blennocampa atrata** MacGillivray
 Can. Ent., Vol. XXV, No. 10, October, 1893, p. 239.
 Type.—♀: Olympia, Washington, May 7, 1893 (T. Kincaid).
- Blennocampa typicella** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 8.
 Type.—♂: Corvallis, Oregon, March 14, 1915 (L. Childs).
- Caliroa labrata** MacGillivray
 Can. Ent., Vol. XLI, No. 10, October, 1909, p. 360.
 Type.—♂: Mountains near Claremont, California (C. F. Baker).
- Caliroa lacinata** MacGillivray
 Can. Ent., Vol. XLI, No. 10, October, 1909, p. 357.
 Type.—♀: Algonquin, Illinois, June 8, 1894 (W. A. Nason).
- Caliroa lata** MacGillivray
 Can. Ent., Vol. XLI, No. 10, October, 1909, p. 361.
 Type.—♀: Ithaca, New York, July 22, 1890.
- Caliroa laudata** MacGillivray
 Can. Ent., Vol. XLI, No. 10, October, 1909, p. 356.
 Type.—♀: Vancouver, British Columbia, June 19, 1903.
- Caliroa lineata** MacGillivray
 Can. Ent., Vol. XLI, No. 10, October, 1909, p. 350.
 Type.—♀: Columbia, Missouri, July 15, 1905 (C. R. Crosby).
- Caliroa liturata** MacGillivray
 Can. Ent., Vol. XLI, No. 10, October, 1909, p. 349.
 Lectotype.—♀: Florida (A. T. Slosson).

Paratype.—♀: Florida (A. T. Slosson).

Both species were mounted upon the same card point by MacGillivray and labeled "Type". One specimen remounted.

Caliroa lobata MacGillivray

Can. Ent., Vol. XLI, No. 10, October, 1909, p. 355.

Type.—♀: Oswego, New York, July 25, 1895 (C. S. Sheldon).

Caliroa lorata MacGillivray

Can. Ent., Vol. XLI, No. 10, October, 1909, p. 352.

Type.—♀: Mount Tom, Massachusetts, July 16, 1898 (A. P. Morse).

Caliroa loricata MacGillivray

Can. Ent., Vol. XLI, No. 10, October, 1909, p. 351.

Type.—♀: Columbia, Missouri, September 2, 1905 (C. R. Crosby).

Caliroa lunata MacGillivray

Can. Ent., Vol. XLI, No. 10, October, 1909, p. 353.

Type.—♀: Ithaca, New York, May 27, 1890.

Caliroa nortonii MacGillivray

Can. Ent., Vol. XXVI, No. 11, November, 1894, p. 324.

Type.—♂: Millersville, McLean, New York, May 30, 1890.

Transferred to the genus *Phrontosoma* MacGillivray in 1908 and the specific name emended to *nortoni*.

Ceratulus spectabilis MacGillivray

Can. Ent., Vol. XL, No. 12, December, 1908, p. 454.

Paratypes.—♀ and ♂: Dallas, Texas, bred from larvae on *Cissus incisa*, August 6—October 1, 1908, Hunter No. 1619 (E. S. Tucker).

The genotype of *Ceratulus* MacGillivray (original designation and monobasic).

Cimbex americana var. *nortoni* MacGillivray *

State Geol. Nat. Hist. Surv. Conn., Bull. 22, 1916, p. 104.

Type.—♀: Ithaca, New York, June 3, 1903.

Paratype.—♀: Ithaca, July 28, 1897.

Claremontia typica Rohwer

Can. Ent., Vol. XLI, No. 11, November, 1909, p. 397.

Cotypes.—♀ and ♂: Mountains near Claremont, California (C. F. Baker).

The genotype of *Claremontia* Rohwer (original designation and monobasic).

Cockerellonis occidentalis MacGillivray

Can. Ent., Vol. XL, No. 10, October, 1908, p. 365.

Type sex? Ruidosa Creek, New Mexico, 6,600 feet elevation, on fronds of *Pteris aquilina*, July 1 (E. O. Wooton, 8).

The sex of the type is not indicated in the original description and the abdomen of the type is missing. The genotype of *Cockerellonis* MacGillivray (original designation). Synonymized by Rohwer (1911) as *Eriocampidea arizonensis* Ashmead.

* This variety was described without the customary statement that it was new. It is preceded by an asterisk, which according to a statement on page 15 of the same publication means that it was "originally described from Connecticut". At the original place of publication (p. 104) the only locality given is "Connecticut (E. [dward] N. [orton])" but reference is made to the specimen figured as figure 1 plate xii of Howard's Insect Book. The specimen figured by Howard is in the National Museum and was reared by H. G. Dyar, under his number 2D, from larvae collected at Roxbury, Mass. This specimen was probably never studied by MacGillivray nor is it probable that the specimens collected by Norton were before MacGillivray when he made his Key to the forms of *Cimber*. It seems better, therefore, to consider the specimen from Ithaca, N. Y., which was labeled by MacGillivray as type to be the type of his variety even though it does not agree with the only locality given in the only place of publication. To do otherwise would make it impossible to have an acceptable type for the variety.

S. A. ROHWER.

Craterocercus cervinus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 9.

Type.—♀: Durham, New Hampshire, 1397 (Weed and Flske).

Paratype.—♀: Durham, New Hampshire, 1397 (Weed and Fiske).

The paratype, labeled as such by MacGillivray, has no locality label.

Craterocercus circulus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 9.

Type.—♀: Lake Forest, Illinois (J. G. Needham).

Craterocercus cordleyi MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 9.

Type.—♀: Corvallis, Oregon, May 6.

Craterocercus infuscatus MacGillivray

State Geol. Nat. Hist. Surv. Conn., Bull. 22, 1916, p. 106.

Type.—♀: Ithaca, New York.

Now placed in the genus *Priophorus* Dahlbom.

Dimorphopteryx desidiosus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 10.

Type.—♀: North Fork of Swannanoa, Black Mountains, North Carolina, May.

Dimorphopteryx enucleatus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 10.

Type.—♀: Franconia, New Hampshire (A. T. Slosson).

Dimorphopteryx ithacus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 10.

Type.—♀: Ithaca, New York, June 28, 1898.

Dimorphopteryx morsei MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 11.

Type.—♀: Sherborn, Massachusetts, July 25, 1904 (A. P. Morse).

Dimorphopteryx oronis MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 11.

Type.—♀: Orono, Maine, July 24, 1913.

Dimorphopteryx salinus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 11.

Type.—♀: Salineville, Ohio.

Dimorphopteryx scopulosus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 12.

Type.—♀: Fern Rock, Pennsylvania, June 9, 1905.

Dolerus acutus MacGillivray

Can. Ent. Vol. XL, No. 4, April, 1908, p. 130.

Type.—♀: McLean, New York, May 8, 1891.

Dolerus agcistus MacGillivray

Can. Ent., Vol. XL, No. 4, April, 1908, p. 129.

Type.—♀: Lake Forest, Illinois (J. G. Needham).

Paratype.—♀: Durham, New Hampshire, 1397 (W. & F.).

Dolerus aprilioides MacGillivray

Can. Ent., Vol. XL, No. 4, April, 1908, p. 126.

Type.—♀: Ithaca, New York, June 19, 1897.

Dolerus borealis MacGillivray

Can. Ent., Vol. XXV, No. 10, October, 1893, p. 238.

Type.—♀: Olympia, Washington, May 22, 1892 (T. Kincaid).

Dolerus cohaesus MacGillivray

Can. Ent., Vol. XL, No. 4, April, 1908, p. 128.

Type.—♀: Otto, New York, July 19, 1882 (J. H. Comstock).

Dolerus colosericeus MacGillivray

Can. Ent., Vol. XL, No. 4, April, 1908, p. 125.

Type.—♀: St. Anthony Park, Minnesota, May 1, 1896 (R. H. Pettit).

Dolerus conjugatus MacGillivray

Can. Ent., Vol. XL, No. 4, April, 1908, p. 128.

Type.—♀: Fulton County, New York, June 1, 1901 (C. R. Crosby).

Paratypes.—♀ and ♂: Ithaca, New York, July, 1896, and July 9, 1904; Wellesley, Massachusetts, May 27, 1891 (A. P. Morse).

No males were specifically mentioned in the original description, but male specimens labeled as paratypes by MacGillivray were found in the collection. The locality "Ithaca, New York" is not mentioned in the original description.

Dolerus dysporus MacGillivray

Can. Ent., Vol. XL, No. 4, April, 1908, p. 128.

Type.—♀: Ithaca, New York, April 26, 1896.

Paratypes.—♀: Chicopee, Massachusetts, May 4, 1902 (J. O. Martin).

Dolerus graenicheri MacGillivray

Can. Ent., Vol. XLVI, No. 3, March, 1914, p. 107.

Type.—♀: Layton Park, Milwaukee County, Wisconsin, May 1, 1901 (S. Graenicher).

Dolerus icterus MacGillivray

Can. Ent., Vol. XL, No. 4, April, 1908, p. 127.

Type.—♀: Saranac Inn, New York, June 26, 1900 (J. G. Needham).

Dolerus inspectus MacGillivray

Can. Ent., Vol. XL, No. 4, April, 1908, p. 128.

Type.—♂: Ithaca, New York, July, 1896.

Dolerus inspiratus MacGillivray

Can. Ent., Vol. XLVI, No. 3, March, 1914, p. 105.

Type.—♀: New Haven, Connecticut, May 30, 1911 (A. B. Champlain).

Paratypes.—♀: New Haven, Connecticut, May 30, 1911 (A. B. Champlain); Eagle Bend, Minnesota, July, 1905 (J. P. Jensen).

Dolerus konowi MacGillivray

Can. Ent., Vol. XLVI, No. 3, March, 1914, p. 106.

Type.—♀: Olympia, Washington, June 20, 1893 (T. Kincaid).

Lectoallotype.—♂: Olympia, Washington, April 20, 1894 (T. Kincaid).

Paratype.—♂: Olympia, Washington, July 2, 1893 (T. Kincaid).

The lectoallotype was labeled by MacGillivray as a paratype.

Dolerus lecticus MacGillivray

Can. Ent., Vol. XLVI, No. 3, March, 1914, p. 105.

Type.—♀: Durham, New Hampshire, 2435 (Weed and Fiske); Hampton, New Hampshire, May 1, 1904 (S. A. Shaw).

Lectoallotype.—♂: Durham, New Hampshire, 2435 (Weed and Fiske); Hampton, New Hampshire, May 1, 1904 (S. A. Shaw).

Dolerus luctatus MacGillivray

Can. Ent., Vol. XL, No. 4, April, 1908, p. 127.

Type.—♀: Ithaca, New York, May 28, 1895.

Dolerus minusculus MacGillivray

Can. Ent., Vol. XL, No. 4, April, 1908, p. 126.

Type.—♀: Ithaca, New York, May 31, 1891.

Dolerus monosericus MacGillivray

Can. Ent., Vol. XL, No. 4, April, 1908, p. 126.

Type.—♀: West Springfield, Massachusetts, April 26, 1896 (J. O. Martin).

Lectoallotype.—♂: West Springfield, Massachusetts, April 26, 1896 (J. O. Martin).

The lectoallotype was labeled by MacGillivray as a paratype. Antennae of the lectoallotype are missing.

Dolerus napaeus MacGillivray

Can. Ent., Vol. LV, No. 3, March, 1923, p. 65.

Type.—♀: Corvallis, Oregon, on college campus, May 10, 1914 (G. F. Mazzette and Johnson).

- Dolerus narratus** MacGillivray
 Can. Ent., Vol. LV, No. 3, March, 1923, p. 65.
 Type.—♀: Mary's Peak, Corvallis, Oregon, May 14, (A. L. Lovett).
 Lectoallotype.—♂: Mary's Peak, Corvallis, Oregon, May 23, (Zwicker).
 Paratype.—♂: Mary's Peak, Corvallis, Oregon, May 23 (Zwicker).
 The lectoallotype was labeled by MacGillivray as a paratype.
- Dolerus nasutus** MacGillivray
 Can. Ent., Vol. LV, No. 3, March, 1923, p. 65.
 Type.—♀: Corvallis, Oregon (Laura Hill).
 Lectoallotype.—♂: Corvallis, Oregon, April 20, 1908 (Laura Hill).
 Paratype.—♀: Renton, Washington, May 22, 1914 (H. F. Wilson).
 The lectoallotype was labeled by MacGillivray as a paratype.
- Dolerus nativus** MacGillivray
 Ins. Insc. Mens., Vol. XI, Nos. 1-3, 1923, p. 32.
 Type.—♂: Enterline, Oregon, April 29, 1917 (Baker).
- Dolerus nauticus** MacGillivray
 Ins. Insc. Mens., Vol. XI, Nos. 1-3, 1923, p. 35.
 Type.—♀: Corvallis, Oregon (W. J. Kocken).
- Dolerus necessarius** MacGillivray
 Ins. Insc. Mens., Vol. XI, Nos. 1-3, 1923, p. 35.
 Type—♀: Kings Valley, Oregon, April 5, 1916 (A. L. Lovett).
 Paratypes.—♀: Kings Valley, Oregon, April 5, 1916 (A. L. Lovett).
- Dolerus necosericus** MacGillivray
 Univ. Ill. Bull., Vol. 20, No. 50, August 13, 1923, p. 13.
 Type.—♀: Orono, Maine, July 3, 1913.
- Dolerus nectarinus** MacGillivray
 Ins. Insc. Mens., Vol. XI, Nos. 1-3, 1923, p. 33.
 Type.—♂: Enterline, Oregon, April 29, 1917 (Baker).
- Dolerus nefastus** MacGillivray
 Can. Ent., Vol. LV, No. 3, March, 1923, p. 66.
 Type.—♀: Corvallis, Oregon, April 20, 1908 (Laura Hill).
 Paratype.—♀: Corvallis, Oregon, April 20, 1908 (Laura Hill).
- Dolerus negotiosus** MacGillivray
 Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 164.
 Type.—♂: Savonoski, Naknek Lake, Alaska, July, 1919 (J. S. Hine).
- Dolerus nemorosus** MacGillivray
 Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 164.
 Type.—♀: Katmai, Alaska, June, 1917 (J. S. Hine).
- Dolerus neoagcistus** MacGillivray
 Bull. Brooklyn Ent. Soc., Vol. XVIII, No. 2, April, 1923, p. 55.
 Type.—♀: Southfields, New York, May 3, 1914 (F. M. Schott).
- Dolerus neoaprilis** MacGillivray
 Can. Ent., Vol. XL, No. 4, April, 1908, p. 126.
 Type.—♀: Nebraska (F. Rauterberger).
 In fair condition.
- Dolerus neocollaris** MacGillivray
 Can. Ent., Vol. XL, No. 4, April, 1908, p. 127.
 Type.—♂: Fulton, New York, April 27, (C. R. Crosby).
 Lectoallotype.—♂: Ithaca, New York, April 23, 1896.
 Paratype.—♀: Ithaca, New York, April 20, 1895.
 The lectoallotype was labeled by MacGillivray as a paratype.
- Dolerus neosericeus** MacGillivray
 Can. Ent., Vol. XL, No. 4, April, 1908, p. 125.
 Type.—♀: Ithaca, New York.
- Dolerus neostugnus** MacGillivray
 Bull. Brooklyn Ent. Soc., Vol. XVIII, No. 2, April, 1923, p. 55.
 Type.—♀: Urbana, Illinois, April 12, 1898.
 Paratype.—♀: Urbana, Illinois, April 12, 1898.

Dolerus nepotulus MacGillivray

Can. Ent., Vol. LV, No. 3, March, 1923, p. 68.

Type.—♂: Linn County, Oregon, May 17, 1913 (Lewis).

Dolerus nervosus MacGillivray

Ins. Insc. Mens., Vol. XI, Nos. 1-3, 1923, p. 31.

Type.—♀: Colorado Lake, Oregon, May 29 (E. V. Storm).

Dolerus nescius MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 12.

Type.—♀: Kendrick, Idaho, April 14, 1900 (J. M. Aldrich).

Dolerus nicaeus MacGillivray

Can. Ent., Vol. LV, No. 3, March, 1923, p. 68.

Type.—♀: Chilliwack, Cultis Lake, British Columbia, May 31 (F. C. Ewing).

Dolerus nidulus MacGillivray

Ins. Insc. Mens., Vol. XI, Nos. 1-3, 1923, p. 31.

Type.—♀: Corvallis, Oregon, May 16, 1916 (A. M. Scott).

In poor condition.

Dolerus nimbus MacGillivray

Ins. Insc. Mens., Vol. XI, Nos. 1-3, 1923, p. 33.

Type.—♀: Eugene, Oregon, April 9, 1896.

Lectoallotype.—♂: Eugene, Oregon, April 9, 1896.

Paratypes.—♂ and ♀: Eugene, Oregon, April 9, 1896.

The lectoallotype was labeled by MacGillivray as a paratype.

Dolerus nivatus MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 164.

Type.—♀: Katmai, Alaska, July, 1917 (J. S. Hine).

Dolerus nocivus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 12.

Type.—♀: Ames, Iowa, May 12, 1918 (H. A. Scullen).

Dolerus nocticus MacGillivray

Ins. Insc. Mens., Vol. XI, Nos 1-3, 1923, p. 34.

Type.—♀: Mary's Peak, Oregon, May 19, 1912 (L. G. Gentner).

Dolerus nominatus MacGillivray

Ins. Insc. Mens., Vol. XI, Nos 1-3, 1923, p. 34.

Type.—♀: Oregon.

MacGillivray in the original description of this species records the locality as "Oregon". The label on the specimen reads "? Oregon".

Dolerus novellus MacGillivray

Can. Ent., Vol. LV, No. 3, March, 1923, p. 67.

Type.—♀: Mary's Peak, Corvallis, Oregon, June 3, 1920 (Hardman).

In fair condition. The abdomen, hind wings, hind legs are mounted on a card point.

Dolerus novicinus MacGillivray

Can. Ent., Vol. LV, No. 3, March, 1923, p. 67.

Type.—♀: Hood River, Oregon, July 28, 1914 (Childs).

Dolerus nugatorius MacGillivray

Can. Ent., Vol. LV, No. 3, March, 1923, p. 66.

Type.—♀: Pee Dee, Oregon, July 4, 1905 (Vincent).

Lectoallotype.—♂: Mary's Peak, Corvallis, Oregon, May 14 (A. L. Lovett).

The lectoallotype was labeled by MacGillivray as a paratype.

Dolerus numerosus MacGillivray

Can. Ent., Vol. LV, No. 3, March, 1923, p. 67.

Type.—♀: Corvallis, Oregon, May 3, 1912 (H. S. Walters).

Lectoallotype.—♂: Corvallis, Oregon, May 19, 1912 (H. S. Walters).

The lectoallotype was labeled by MacGillivray as a paratype.

Dolerus nummarius MacGillivray

Can. Ent., Vol. LV, No. 7, July, 1923, p. 159.

Type.—♀ : Edmonton, Alberta, Canada, June 3, 1916 (F. S. Carr).
 In the original description, due to a typographical error, the last sentence is incomplete. The specimen bears a label with the statement "near *tibialis* and *nervosus*", which is likely the information MacGillivray meant to give in the incompletely sentence.

- Dolerus nummatus** MacGillivray
 Can. Ent., Vol. LV, No. 7, July, 1923, p. 159.
 Type.—♀ : Edmonton, Alberta, Canada, June 2, 1917 (F. S. Carr).
- Dolerus nundinus** MacGillivray
 Can. Ent., Vol. LV, No. 7, July, 1923, p. 159.
 Type.—♂ : Edmonton, Alberta, Canada, June 6, 1917 (F. S. Carr).
- Dolerus nuntius** MacGillivray
 Can. Ent., Vol. LV, No. 7, July, 1923, p. 158.
 Type.—♀ : Edmonton, Alberta, Canada, May 21, 1917 (F. S. Carr).
- Dolerus nutricius** MacGillivray
 Can. Ent., Vol. LV, No. 7, July, 1923, p. 159.
 Type.—♂ : Edmonton, Alberta, Canada, June, 1917 (F. S. Carr).
- Dolerus nyctellus** MacGillivray
 Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 163.
 Type.—♂ : Kodiak, Alaska, June 10, 1917 (J. S. Hine).
- Dolerus parasericeus** MacGillivray
 Can. Ent., Vol. XL, No. 4, April, 1908, p. 125.
 Type.—♀ : Ithaca, New York, June 17, 1897.
- Dolerus plesius** MacGillivray
 Can. Ent., Vol. XL, No. 4, April, 1908, p. 129.
 Type.—♀ : Lake Forest, Illinois (J. G. Needham).
- Dolerus polysericeus** MacGillivray
 Can. Ent., Vol. XL, No. 4, April, 1908, p. 125.
 Type.—♀ : May 11, 1895, Ithaca, New York.
- Dolerus refugus** MacGillivray
 Can. Ent., Vol. XL, No. 4, April, 1908, p. 127.
 Type.—♀ : Ithaca, New York, May 1, 1895 (J. H. Comstock).
 In fair condition.
- Dolerus simulans** Rohwer
 Can. Ent., Vol. XLI, No. 1, January, 1909, p. 10.
 Paratype.—♀ : Florissant, Colorado, July 21, 1907 (S. A. Rohwer).
- Dolerus stugnus** MacGillivray
 Can. Ent., Vol. XL, No. 4, April, 1908, p. 129.
 Type.—♀ : Ithaca, New York, June 28, 1898.
- Dolerus tectus** MacGillivray
 Can. Ent., Vol. XLVI, No. 3, March, 1914, p. 104.
 Type.—♀ : New Haven, Connecticut, May 4, 1904, on *Salix* (H. L. Vie-reck).
 Paratype.—♂ : New Haven, Connecticut, May 4, 1904, on *Salix* (H. L. Vie-reck).
 The paratypic male, labeled by MacGillivray, is not as such specifically mentioned in the original description.
- Emphytus gemitus** MacGillivray
 Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 163.
 Type.—♀ : Kodiak, Alaska, June 10, 1917 (J. S. Hine).
- Emphytus gillettei** MacGillivray
 Fifteenth Rep. Colo. Exp. Sta., 1902, p. 113.
 Type.—♀ : Denver, Colorado, from strawberry, May 30, 1902 (S. A. John-son).
- Emphytus halesus** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 13.

- Type.—♀: Corvallis, Oregon, May 13 (Goding).
 Paratype.—♀: Corvallis, College Campus, Oregon, May 21, 1913 (Denny).
- Emphytus haliartus** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 14.
 Type.—♀: Corvallis, College Campus, Oregon, May 29, 1917 (A. L. Lovett).
- Emphytus halitus** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 14.
 Type.—♂: Freeport, Illinois, July 16, 1898 (J. G. Needham).
- Emphytus haustus** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 14.
 Type.—♂: Grand Island, New York, June 9, 1908 (M. C. Van Duzee).
- Emphytus heroicus** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 14.
 Type.—♀: Hamburg, New York, June 6, 1909 (M. C. Van Duzee).
- Emphytus hiatus** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 15.
 Type.—♀: Ithaca, New York, May, 1911.
- Emphytus hiulcus** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 15.
 Type.—♀: Colorado (C. F. Baker).
- Emphytus hospitius** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 15.
 Type.—♀: Hampton, New Hampshire, May 20, 1904 (S. A. Shaw).
- Emphytus hyacinthus** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 16.
 Type.—♀: Forest Hills, Massachusetts, May 18, 1917 (A. M. Wilcox).
 Allotype.—♂: Forest Hills, Massachusetts, May 18, 1917 (A. M. Wilcox).
- Emphytus yuasi** MacGillivray
Psyche, Vol. XXVIII, No. 2, April, 1921, p. 31.
 Type.—♀: Ithaca, New York, May 28, 1919, reared (H. Yuasa, 171-1).
- Empria cadurca** MacGillivray
Can. Ent., Vol. LV, No. 7, July, 1923, p. 158.
 Type.—♀: Edmonton, Alberta, Canada, June 2, 1917 (F. S. Carr).
 Lectoallotype.—♂: Edmonton, Alberta, Canada, June 2, 1917 (F. S. Carr).
 Paratype.—♂: Edmonton, Alberta, Canada, June 2, 1917 (F. S. Carr).
- Empria caeca** MacGillivray
Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 308.
 Type.—♀: Ithaca, New York.
 In fair condition.
- Empria caetrata** MacGillivray
Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 305.
 Type.—♀: Ames, Iowa, April 21, 1896 (E. D. Ball).
- Empria calda** MacGillivray
Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 307.
 Type.—♀: Durham, New Hampshire, June, 1904 (J. C. Bridwell).
- Empria callida** MacGillivray
Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 306.
 Type.—♀: Ithaca, New York, June 9, 1906.
- Empria callosa** MacGillivray
Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 305.
 Type.—♀: Ithaca (Slaterville-Caroline), New York, June 14, 1904.
- Empria candidula** MacGillivray
Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 310.
 Type.—♀: Ithaca, New York, May 25, 1895.

- Empria canora** MacGillivray
 Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 310.
 Type.—♀: Sherborn, Massachusetts, May 30, 1895 (A. P. Morse).
- Empria capillata** MacGillivray
 Can. Ent., Vol. XLIII, No. 10, October, 1911, p. 341.
 Type.—♀: Peck, Idaho, April 8, 1900 (J. M. Aldrich).
- Empria caprina** MacGillivray
 Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 307.
 Type.—♀: Ithaca, New York, May 22, 1898.
 Male also described in original description, but no male so labeled found in collection.
- Empria captiosa** MacGillivray
 Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 308.
 Type.—♀: Ames, Iowa, May 6, (E. D. Ball).
- Empria carbacea** MacGillivray
 Can. Ent., Vol. XLIII, No. 10, October, 1911, p. 341.
 Type.—♀: Olympia, Washington, April 15, 1896 (T. Kincaid).
- Empria cariosa** MacGillivray
 Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 309.
 Type.—♀: Slaterville-Caroline, New York, June 14, 1904.
- Empria casca** MacGillivray
 Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 310.
 Type.—♂: New Haven, Connecticut, May 24, 1905 (W. E. Britton).
- Empria casta** MacGillivray
 Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 308.
 Type.—♀: Salineville, Ohio.
 Male also listed in original description, but no male so labeled found in collection.
- Empria castigata** MacGillivray
 Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 309.
 Type.—♀: Battle Creek, Michigan (J. M. Aldrich).
- Empria cata** MacGillivray
 Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 307.
 Type.—♂: Mount Washington, New Hampshire (W. F. Fisk).
- Empria caudata** MacGillivray
 Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 309.
 Type.—♀: Ithaca, New York, May 5, 1895.
- Empria cauta** MacGillivray
 Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 311.
 Type.—♀: Ithaca, New York, June 17, 1897.
- Empria cava** MacGillivray
 Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 306.
 Type.—♀: Lancaster, New York, May 31, 1908 (M. C. Van Duzee).
- Empria cavata** MacGillivray
 Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 305.
 Type.—♀: Oswego, New York, May 27, 1896 (C. S. Sheldon).
- Empria celebrata** MacGillivray
 Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 308.
 Type.—♀: Buffalo, New York, June 5, 1897 (E. P. Van Duzee).
- Empria celsa** MacGillivray
 Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 306.
 Type.—♀: Ithaca, New York, May 10, 1896.
- Empria cerina** MacGillivray
 Psyche, Vol. XXVIII, No. 2, April, 1921, p. 34.
 Type.—♀: Ithaca, New York, May 26, 1919, reared (H. Yuasa, 107-5-2).
 Paratype.—♂: Ithaca, New York, May 26, 1919 reared (H. Yuasa, 107-3).

The male labeled by MacGillivray as a paratype is mentioned in the original description only by number "107-3", and is therefore not selected as a lectotype.

Empria cetaria MacGillivray

Psyche, Vol. XXVIII, No. 2, April, 1921, p. 33.

Type.—♀: Ithaca, New York, July 14, 1918, reared (H. Yuasa, 119-1-2).
Paratype.—♀: Ithaca, New York, July 14, 1918, reared (H. Yuasa, 119-1-2).

Empria cirrha MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 16.
Type.—♀: Mary's Peak, Oregon, May 30 (Ballard).

In fair condition. . . .

Empria cista MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 16.
Type.—♀: Corvallis, Oregon, April 18, (Peterson).

Empria cistula MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 16.
Type.—♀: Mary's River, Oregon, April 20 (Glenis).

Empria cithara MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 17.
Type.—♀: Mary's Peak, Oregon, May 19, 1912 (L. G. Gentner).

Empria columna MacGillivray

Bull. Brooklyn Ent. Soc., Vol. XVIII, No. 2, May, 1923, p. 54.
Type.—♀: Ira, Summit County, Ohio (J. S. Hine).

Empria conciliata MacGillivray

Can. Ent., Vol. XLIII, No. 10, October, 1911, p. 344.
Type.—♀: Chimney Gulch, Colorado, April 22, 1899 (E. J. Oslar).

Empria concisa MacGillivray

Can. Ent., Vol. XLIII, No. 10, October, 1911, p. 346.
Type.—♀: Pullman, Washington (C. V. Piper, No. 13).

Empria concitata MacGillivray

Can. Ent., Vol. XLIII, No. 10, October, 1911, p. 342.
Type.—♂: Olympia, Washington, May 7, 1893 (T. Kincaid).
Originally described by MacGillivray as the male of *Monostegia kincaidii* MacGillivray, but transferred to the genus *Empria* Lepeletier and given the specific name of *concitata* in 1911.

Empria concreta MacGillivray

Can. Ent., Vol. XLIII, No. 10, October, 1911, p. 344.
Type.—♀: Colorado (C. F. Baker).

Empria condensa MacGillivray

Can. Ent., Vol. XLIII, No. 10, October, 1911, p. 342.
Type.—♀: Polk County, Wisconsin, July (C. F. Baker, No. 6498).
In fair condition.

Empria condita MacGillivray

Can. Ent., Vol. XLIII, No. 10, October, 1911, p. 342.
Type.—♀: Colorado (C. F. Baker).

Empria conferta MacGillivray

Can. Ent., Vol. XLIII, No. 10, October, 1911, p. 344.
Type.—♀: Colorado (C. F. Baker).

Empria confirmata MacGillivray

Can. Ent., Vol. XLIII, No. 10, October, 1911, p. 341.
Type.—♀: Olympia, Washington, April 17, 1892, catkin of *Salix flavescent* (T. Kincaid).
Originally included by MacGillivray in the type series of *Monostegia kincaidii* MacGillivray, but transferred to the genus *Empria* Lepeletier and given the specific name of *confirmata* in 1911.

- Empria contexta** MacGillivray
 Can. Ent., Vol. XLIII, No. 10, October, 1911, p. 345.
 Type.—♀: Colorado (C. F. Baker).
- Empria contorta** MacGillivray
 Can. Ent., Vol. XLIII, No. 10, October, 1911, p. 343.
 Type.—♀: Chimney Gulch, Colorado, April 23, 1899 (E. J. Oslar).
- Empria costata** MacGillivray
 Can. Ent., Vol. XLVI, No. 3, March, 1914, p. 103.
 Type.—♀: New Haven, Connecticut, May 11, 1911 (B. H. Walden).
- Empria culpata** MacGillivray
 Can. Ent., Vol. XLIII, No. 10, October, 1911, p. 343.
 Type.—♀: Olympia, Washington, May 8, 1894 (T. Kincaid).
- Empria cumulata** MacGillivray
 Can. Ent., Vol. XLIII, No. 10, October, 1911, p. 343.
 Type.—♀: Olympia, Washington, May 23, 1892 (T. Kincaid).
- Empria cuneata** MacGillivray
 Can. Ent., Vol. XLIII, No. 10, October, 1911, p. 345.
 Type.—♀: Olympia, Washington, May 21, 1891 (T. Kincaid).
- Empria cupida** MacGillivray
 Can. Ent., Vol. XLIII, No. 10, October, 1911, p. 346.
 Type.—♀: Olympia, Washington, June 13, 1894 (T. Kincaid).
- Empria curata** MacGillivray
 Can. Ent., Vol. XLIII, No. 10, October, 1911, p. 345.
 Type.—♀: Olympia, Washington, June 17, 1894 (T. Kincaid).
- Empria erecta** MacGillivray
 Can. Ent., Vol. XLIII, No. 9, September, 1911, p. 310.
 Type.—♀: Sandy Hook, New Jersey.
- Empria fragariae** Rohwer
 Journ. Ec. Ent., Vol. VII, No. 6, December, 1914, p. 479.
 Paratypes.—♀: Storm Lake, Iowa, May 2, 1912 (R. L. Webster); Ames Iowa, April 16, 1913 (R. L. Webster).
- Euura bakeri** Rohwer
 Can. Ent., Vol. XLII, No. 2, February, 1910, p. 51.
 Paratypes.—♀ and ♂: Mountains near Claremont, California (C. F. Baker).
- Euura brachycarpae** Rohwer
 Can. Ent., Vol. XL, No. 6, June, 1908, p. 176.
 Paratypes.—♀ and ♂: Florissant, Colorado, July 7, 1907 (S. A. Rohwer).
- Euura maculata** MacGillivray
 Can. Ent., Vol. XLVI, No. 10, October, 1914, p. 366.
 Type.—♀: Columbus, Ohio, No. 169 (J. S. Hine).
- Euura minutula** MacGillivray
 Can. Ent., Vol. XLVI, No. 10, October, 1914, p. 366.
 Type.—♀: Ames, Iowa (E. D. Bali).
- Euura moenia** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 17.
 Type.—♀: Corvallis, Oregon, 1910.
 Paratypes.—♂ and ♀: Corvallis, Oregon, 1910.
 The male is not specifically mentioned in the original description but was labeled as a paratype by MacGillivray.
- Hemitaxonus dediticius** MacGillivray
 Psyche, Vol. XXX, No. 2, April, 1923, p. 77.
 Type.—♂: Corvallis, Oregon (G. F. Mozzette).
- Hoplocampa padusa** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 17.
 Type.—♂: Corvallis, Oregon (A. L. Lovett).
 Paratypes.—♂: Corvallis, Oregon (A. L. Lovett).

Hoplocampa pallipes MacGillivray

Can. Ent., Vol. XXV, No. 10, October, 1893, p. 239.

Cotype.—♀: Skokomish River, Washington, on Amelanchier, May 8, 1892
(T. Kincaid).**Hylotoma onerosa** MacGillivray

Psyche, Vol. XXX, No. 2, April, 1923, p. 80.

Type.—♀: Moscow, Idaho (J. M. Aldrich).

Lectoallotype.—♂: Okanogan County, Washington, July 16, 1896 (C. W. Sutton).

Paratype.—♀: Revelstoke, British Columbia, July 14, 1912 (R. C. Osburn).
The lectoallotype was labeled by MacGillivray as a paratype.**Hylotoma sparta** MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 18.

Type.—♀: Olympia, Washington, June 4, 1894 (T. Kincaid).

Lectoallotype.—♂: Corvallis, Oregon (A. L. Lovett).

Paratype.—♀: No data.

The lectoallotype was labeled by MacGillivray as a paratype.

Hylotoma spiculata MacGillivray

Can. Ent., Vol. XXXIX, No. 9, September, 1907, p. 308.

Type.—♀: Oak Creek Canyon, Arizona, 6000 feet elevation, August (F. H. Snow).

One antenna is missing.

Hypargyricus infuscatus MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 290.

Type.—♀: Ithaca, New York.

The genotype of *Hypargyricus* MacGillivray (original designation).**Hypolaepus viereckii** Bradley

Can. Ent., Vol. XXXV, No. 2, February, 1903, p. 47.

Paratypes.—♀: Westville, New Jersey, September 12, 1897.

Isiodictum (sic) atratum MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 290.

Type.—♀: Ames, Iowa, May 10, 1897 (E. D. Ball).

The generic name should have been *Isodictum* Ashmead, which is now considered as a synonym of *Ptericlista* Konow.**Leucopelmonus annulatus** MacGillivray

State Geol. Nat. Hist. Surv. Conn., Bull. 22, December 1, 1916, p. 83.

Type.—♀: Franconia, New Hampshire (A. T. Slosson).

The genotype of *Leucopelmonus* MacGillivray (monobasic). This species has subsequently been sunk as a synonym of *Leucopelmonus confusus* (Norton) by MacGillivray (1919).**Loderus accuratus** MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 19.

Type.—♀: Orono, Maine, June 13, 1912.

Loderus acerbus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 19.

Type.—♀: Orono, Maine, June 23, 1913.

Loderus acidus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 20.

Type.—♀: Orono, Maine, June 12, 1913.

Loderus acriculus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 20.

Type.—♀: Orono, Maine, August 6, 1913.

Paratype.—♀: Orono, Maine, July 7, 1913.

Loderus alticinctus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 20.

Type.—♀: Orono, Maine, June 30, 1913.

- Loderus ancisus** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 21.
 Type.—♀: Orono, Maine, June 12, 1913.
 Paratype.—♀: Orono, Maine, June 12, 1913.
- Loderus nigra** Rohwer
 Can. Ent., Vol. XLII, No. 2, February, 1910, p. 49.
 Cotype.—♂: Mountains near Claremont, California (C. F. Baker).
- Macremphytus bicornis** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 21.
 Type.—♀: Wellesley, Massachusetts, June 1, 1917 (A. M. Wilcox).
- Macremphytus lovetti** MacGillivray
 Psyche, Vol. XXX, No. 2, April, 1923, p. 77.
 Type.—♀: Rock Creek, Corvallis, Oregon, July 14, (A. L. Lovett).
- Macrophya bellula** MacGillivray
 Bull. Brooklyn Ent. Soc., Vol. XVIII, No. 2, April, 1923, p. 55.
 Type.—♀: Greenwood Lake, New Jersey, June 10, 1917 (F. M. Schott).
- Macrophya bilineata** MacGillivray *
 State Geol. Nat. Hist. Surv. Conn., Bull. 22, 1916, p. 96.
 Type.—♀: Algonquin, Illinois, May 29, 1895 (W. A. Nason).
 Paratype.—♀: Algonquin, Illinois, June 12, 1894 (W. A. Nason).
 Labeled by MacGillivray in collection as type and paratype.
- Macrophya confusa** MacGillivray
 Can. Ent., Vol. XLVI, No. 4, April, 1914, p. 139.
 Type.—♀: Pennsylvania, 1572 (C. F. Baker).
- Macrophya fistula** MacGillivray
 Bull. Brooklyn Ent. Soc., Vol. XV, No. 4, October, 1920, p. 114.
 Type.—♀: Ithaca, New York, bred, May 27, 1918, 59-4-1 (H. Yuasa).
 Paratype.—♀: Ithaca, New York, bred, May 24, 1918, No. 59-4-1 (H. Yuasa).
- Macrophya flaccida** MacGillivray
 Bull. Brooklyn Ent. Soc., Vol. XV, No. 4, October, 1920, p. 113.
 Type.—♀: Ithaca, New York, bred, May 14, 1918, No. 11-1 (H. Yuasa).
- Macrophya flicta** MacGillivray
 Bull. Brooklyn Ent. Soc., Vol. XV, No. 4, October, 1920, p. 114.
 Type.—♀: Ithaca, New York, bred, May 13, 1919, No. 126-3-C-1 (H. Yuasa).
- Macrophya magnifica** MacGillivray
 Can. Ent., Vol. XXV, No. 10, October, 1893, p. 240.
 Type.—♀: Olympia, Washington, June 4, 1892 (T. Kincaid).
 Paratype.—♀: Olympia, Washington, June 4, 1892 (T. Kincaid).
 Subsequently transferred to the genus *Tenthredo* Linnaeus by MacGillivray.
- Macrophya melanopleura** MacGillivray
 Can. Ent., Vol. XLVI, No. 4, April, 1914, p. 139.
 Type.—♀: Hatch Experiment Station, Amherst, Massachusetts, July 29, 1895.
- Macrophya minuta** MacGillivray
 Can. Ent., Vol. XXVII, No. 10, October, 1895, p. 286.
 Type.—♂: Plattsburg, New York, June 8, 1894 (H. G. Dyar).
- Macrophya mixta** MacGillivray
 Can. Ent., Vol. XXVII, No. 3, March, 1895, p. 77.
 Type.—♀: Mount Washington, New Hampshire (A. T. Slosson).
- Macrophya nidonea** MacGillivray
 Can. Ent., Vol. XXVII, No. 3, March, 1895, p. 77.
 Type.—♂: Franconia, New Hampshire (A. T. Slosson).

* These cannot be types. Type probably in collection of the Connecticut Agricultural Experiment Station and should be labeled Milldale, Connecticut, May 21, 1906, W. E. Britton.

S. A. ROHWER.

Macrophya obaerata MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 21.

Type.—♀: Corvallis, Oregon (Finch).

Macrophya obnata MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 22.

Type.—♀: Mary's Peak, Corvallis, Oregon, May 14 (A. L. Lovett).

Macrophya obrussa MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 22.

Type.—♂: Mary's River, Corvallis, Oregon, May 20 (Hurst).

Paratype.—♂: Corvallis, Oregon, College campus, May 21 (Gooding).

Macrophya ornata MacGillivray

Can. Ent., Vol. XLVI, No. 4, April, 1914, p. 139.

Type.—♀: Ithaca, New York, May 29, 1896.

Macrophya pleurinctella Rohwer

Can. Ent., Vol. XLI, No. 9, September, 1909, p. 332.

Cotypes.—♀: Stanford University, California (C. F. Baker); Claremont, California (C. F. Baker).

Macrophya pulchella alba MacGillivray

Can. Ent., Vol. XXVII, No. 10, October, 1895, p. 285.

Type.—♀: Philadelphia, Pennsylvania.

Paratype.—♂: Ithaca, New York, May 16, 1894.

No mention is specifically made of a paratypic male in the original description. Raised to specific rank by Rohwer in 1912 and this assignment followed by MacGillivray in 1916.

Macrophya punctata MacGillivray

Can. Ent., Vol. XXVII, No. 10, October, 1895, p. 285.

Type.—♀: Plattsburg, New York, June 14, 1894 (H. G. Dyar).

Macrophya truncata Rohwer

Can. Ent., Vol. XLI, No. 9, September, 1909, p. 331.

Cotypes.—♀ and ♂: Claremont, California (C. F. Baker).

Messa alsia MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 22.

Type.—♀: Ithaca, New York, May 16, 1897.

Messa alumna MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 23.

Type.—♀: Northern Illinois.

Messa amica MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 23.

Type.—♀: North Evans, New York, August 2, 1908 (M. C. Van Duzee).

Messa anita MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 23.

Type.—♀: Wisconsin.

One antenna is missing.

Messa appota MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 24.

Type.—♂: Buffalo, New York, June 27, 1908 (M. C. Van Duzee).

One antenna is missing.

Metalius bethunei MacGillivray

Can. Ent., Vol. XLVI, No. 10, October, 1914, p. 366.

Type.—♀: Jordan Harbour, Ontario, Canada, bred from leaf-mining larva on blackberry, July 5, 1910 (L. Caesar).

Lectoallotype.—♂: Saint Kits, Ontario, Canada, bred from leaf-mining larva on blackberry, August 12, 1911 (L. Caesar).

Paratypes.—♀ and ♂: Saint Kits, Ontario, Canada, bred from leaf-mining larvae on blackberry, August 12, 1911 (L. Caesar).

***Metallus rohweli* MacGillivray**

Ann. Ent. Soc. Amer., Vol. II, No. 4, December, 1909, p. 267.

Type.—♀: Block Island, Rhode Island, August 28, 1891 (A. P. Morse).

***Mogerus emarginatus* MacGillivray**

Can. Ent., Vol. XXVII, No. 10, October, 1895, p. 281.

Type.—♂: Boston, Massachusetts.

Now assigned to the genus *Periclista* Konow.

***Monocetus juniperinus* MacGillivray**

Can. Ent., Vol. XXVI, No. 11, November, 1894, p. 328.

Type.—♀: Ithaca, New York, June 9, 1894 (R. L. Junghanns).

***Monophadnooides circinus* MacGillivray**

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 24.

Type.—♂: Olympia, Washington, May 3, 1897 (T. Kincaid).

***Monophadnooides collaris* MacGillivray**

Can. Ent., Vol. XL, No. 8, August, 1908, p. 295.

Type.—♀: Ithaca, New York, June 30, 1885 (G. F. Atkinson).

Lectoallotype.—♂: Ithaca, New York, May 22, 1898.

The lectoallotype was labeled by MacGillivray as a paratype.

***Monophadnooides concessus* MacGillivray**

Can. Ent., Vol. XL, No. 8, August, 1908, p. 294.

Type.—♀: Ithaca, New York, May 27, 1897.

***Monophadnooides conductus* MacGillivray**

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 24.

Type.—♀: Santa Clara County, California, May, 1902 (Coleman).

Paratype.—♀: Santa Clara County, California, May, 1902 (Coleman).

***Monophadnooides consobrinus* MacGillivray**

Can. Ent., Vol. XL, No. 8, August, 1908, p. 294.

Type.—♀: Durham, New Hampshire (W. and F.).

***Monophadnooides consonus* MacGillivray**

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 25.

Type.—♀: Olympia, Washington, April 17, 1896 (T. Kincaid).

***Monophadnooides conspersus* MacGillivray**

Can. Ent., Vol. XL, No. 8, August, 1908, p. 294.

Type.—♀: Ithaca, New York, May 24, 1898.

***Monophadnooides conspicula* MacGillivray**

Can. Ent., Vol. XL, No. 8, August, 1908, p. 293.

Type.—♀: Ithaca, New York, May.

***Monophadnooides conspicuus* MacGillivray**

Can. Ent., Vol. XL, No. 8, August, 1908, p. 293.

Type.—♀: Mc Lean, New York, May 31, 1897.

The locality is erroneously given in the original description as "Mc Lean, Mass."

***Monophadnooides constitutus* MacGillivray**

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 25.

Type.—♀: Ottawa, Quebec, Canada, May, 1912 (Germain).

***Monophadnooides contortus* MacGillivray**

Psyche, Vol. XXX, No. 2, April, 1923, p. 78.

Type.—♀: Corvallis, Oregon, May 7 (Ballard).

***Monophadnooides coracinus* MacGillivray**

Can. Ent., Vol. XL, No. 8, August, 1908, p. 295.

Type.—♂: Wellesley, Massachusetts, May 27, 1891 (A. P. Morse).

***Monophadnooides cordatus* MacGillivray**

Can. Ent., Vol. XL, No. 8, August, 1908, p. 294.

Type.—♀: Illinois, 950 (W. A. Nason).

***Monophadnooides corythus* MacGillivray**

Psyche, Vol. XXX, No. 2, April, 1923, p. 79.

Type.—♂: Corvallis, Oregon, April 13 (A. L. Lovett).

Monophadnoides costalis MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 295.

Type.—♀: Wellesley, Massachusetts, June 8, 1891 (A. P. Morse).

Most of the antennal segments are missing.

Monophadnoides crassus MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 294.

Type.—♀: Durham, New Hampshire (W. and F.).

Monophadnoides curiosus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 25.

Type.—♀: Olympia, Washington, May 15, 1897 (T. Kincaid).

Paratype.—♀: Olympia, Washington, May 18, 1896 (T. Kincaid).

Monophadnoides kincaidi MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 26.

Type.—♀: Olympia, Washington, April 7, 1895 (T. Kincaid).

Monophadnoides shawi MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 26.

Type.—♀: Hampton, New Hampshire, May 15, 1904 (S. A. Shaw).

Lectoallotype.—♂: Hampton, New Hampshire, May 20, 1898 (S. A. Shaw).

Monophadnus aequalis MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 292.

Type.—♀: Ithaca, New York, May 3, 1896.

Monophadnus aeratus MacGillivray

Psyche, Vol. XXX, No. 2, April, 1923, p. 79.

Type.—♂: Corvallis, Oregon, April 13 (Gooding).

Monophadnus assaracus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 26.

Type.—♂: Rock Creek, Oregon, March 19.

Monophadnus atracornus MacGillivray

Can. Ent., Vol. XXV, No. 10, October, 1893, p. 239.

Type.—♀: Olympia, Washington, April 30, 1890 (T. Kincaid).

Monophadnus bipunctatus MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 292.

Type.—♀: Ithaca, New York, May 9, 1895.

Monophadnus distinctus MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 291.

Type.—♀: Lake Forest, Illinois (J. G. Needham).

Monophadnus minutus MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 291.

Type.—♀: Milwaukee, Wisconsin, June 4, 1902 (C. E. B.).

Monophadnus planus MacGillivray

Bull. Brooklyn Ent. Soc., Vol. XVI, No. 1, February, 1921, p. 23.

Type.—♂: Franconia, New Hampshire (A. T. Slosson).

Monophadnus plicatus MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 292.

Type.—♀: Ames, Iowa (E. D. Ball).

Lectoallotype.—♂: Ames, Iowa (E. D. Ball).

The lectoallotype was labeled by MacGillivray as a paratype.

Monophadnus ruscellus MacGillivray

Psyche, Vol. XXX, No. 2, April, 1923, p. 80.

Type.—♂: Mary's Peak, Corvallis, Oregon (Middlekauff).

Monophadnus transversus MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 292.

Type.—♀: Michigan.

Monostegia kincaidii MacGillivray

Can. Ent., Vol. XXV, No. 10, October, 1893, p. 239.

Type.—♀: Olympia, Washington, May 7, 1893 (T. Kincaid).

Subsequently transferred to the genus *Empria* Lepeletier. MacGillivray in 1911 considered that his description of this species in 1893 applied to a "composite of several species" and the types of *Empria confirmata* MacGillivray and *Empria concitata* MacGillivray were originally labeled as paratypes of *kincaidii* MacGillivray.

Monostegia martini MacGillivray

Can. Ent., Vol. XL, No. 10, October, 1908, p. 366.

Type.—♀: Westfield, Massachusetts, May 14, 1899 (J. O. Martin).

Neocharactus bakeri MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 293.

Type.—♂: Santa Clara County, California (C. F. Baker).

The genotype of *Neocharactus* MacGillivray (original description and monobasic).

Neopareophora martini MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 289.

Type.—♀: West Springfield, Massachusetts, May 7, 1888 (J. O. Martin).

The genotype of *Neopareophora* MacGillivray (original designation). The antennae are missing.

Neopareophora scelestula MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 289.

Type.—♀: Black Mountains, North Carolina, June (W. Beutenmüller).

Paratype.—♀: Black Mountains, North Carolina, June (W. Beutenmüller).

Neotomostethus hyalinus MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 290.

Type.—♀: Mc Lean County, New York, May 31, 1898.

The genotype of *Neotomostethus* MacGillivray (original designation and monobasic).

Pachynematus absyrtus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 27.

Type.—♀: Mary's Peak, Corvallis, Oregon, May 23 (Zwicker).

Pachynematus academus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 27.

Type.—♀: Corvallis, Oregon, September 26, 1906 (Farrell).

Pachynematus allegatus MacGillivray

Can. Ent., Vol. LV, No. 7, July, 1923, p. 162.

Type.—♀: Edmonton, Alberta, Canada, May 13, 1915 (F. S. Carr).

Pachynematus corticosus MacGillivray

N. Y. Sta. Mus., Bull. 47, September, 1901, p. 584.

Type.—♀: Saranac Inn, New York, sweeping, August 4, 1901.

Pachynematus rarus MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 30.

Type.—♀: Orono, Maine, August 19, 1913, Sub. 229.

Paratype.—♀: Orono, Maine, August 19, 1913, Sub. 229.

Pachynematus refractarius MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 31.

Type.—♀: Orono, Maine, September 9, 1913, Sub. 252.

Pachynematus remissus MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 32.

Type.—♀: Ithaca, New York, bred, June 9, 1918, No. 150-3 (H. Yuasa).

Paratypes.—♀: Ithaca, New York, bred, July 4-9, 1918, Nos. 150-1 and 150-1 (H. Yuasa).

Pachynematus repertus MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 31.

Type.—♀: Ithaca, New York, bred, July 16, 1918, No. 177-1-2 (H. Yuasa).

Pachynematus roscidus MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 31.

Type.—♀: Adirondack Mountains, New York, August 15 (C. O. Houghton).

Paratype.—♀: Orono, Maine, August 9, 1913, Sub. 227.

The antennae of the type and the abdomen of the paratype are missing.

Pachynematus rufocinctus MacGillivray

State Geol. Nat. Hist. Surv. Conn., Bull. 22, 1916, p. 117.

Type.—♀: Orange, Connecticut, May 21, 1911 (A. B. Champlain).

Lectoallotype.—♂: New Haven, Connecticut, May 15, 1911 (A. B. Champlain).

Paratype.—♀: New Haven, Connecticut, May 15, 1911 (A. B. Champlain).

Pachynematus venustus MacGillivray

Proc. Calif. Acad. Sc., Vol. XI, No. 14 (4th Series), November 2, 1921, p. 190.

Paratypes.—♀ and ♂: St. George Island, Alaska, June 30, 1920 (G. D. Hanna).

Pachynematus vernus MacGillivray

Proc. Calif. Acad. Sc., Vol. XI, No. 14 (4th Series), November 2, 1921, p. 191.

Paratypes.—♂: St. George Island, Alaska, June 30, 1920 (G. D. Hanna).

Parabates histrionicus MacGillivray

Ann. Ent. Soc. Amer., Vol. II, No. 4, December, 1909, p. 263.

Type.—♀: Olympia, Washington, July 9, 1892 (T. Kincaid).

The left pair of wings are missing. The genotype of *Parabates* MacGillivray (original designation).

Paracharactus obscuratus MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 293.

Type.—♀: West Springfield, Massachusetts (J. O. Martin).

Lectoallotype.—♂ Ithaca, New York, May 16, 1897.

The genotype of *Paracharactus* MacGillivray (monobasic and original designation). The lectoallotype was labeled by MacGillivray as a paratype.

Paracharactus obtentus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 28.

Type.—♀: Corvallis, Oregon, May 5, 1901.

Paracharactus obversus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 28.

Type.—♀: Corvalis, Oregon, May 10, 1912 (H. S. Walters).

Paracharactus offensus MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 28.

Type.—♀: Rock Creek, Oregon, March 19.

Pareophora aldrichi MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 28.

Type.—♀: Peck, Idaho, on Solomon's Seal, April 8, 1900 (J. M. Aldrich).

Lectoallotype.—♂: Peck, Idaho, on Solomon's Seal, April 8, 1900 (J. M. Aldrich).

Paratypes.—♀: Peck, Idaho, on Solomon's Seal, April 8, 1900 (J. M. Aldrich).

Pareophora guana MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 28.

Type.—♂: Algonquin, Illinois (W. A. Nason).

Pareophora guara MacGillivray

Bull. Brooklyn Ent. Soc., Vol. XVIII, No. 2, April, 1923, p. 54.

Type.—♀: Marion County, Arkansas, May 2, 1897 (T. M. McE.).

Periclista confusa MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 291.

Type.—♀: Ithaca, New York, April 26, 1892.

Periclista electa MacGillivray

Psyche, Vol. XXX, No. 2, April, 1923, p. 80.

Type.—♂: Corvallis, Oregon, oak twig, April 13, 1908.

The antennae are missing.

Periclista entella MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 29.

Type.—♂: Corvallis, Oregon, campus, April 18 (Peterson).

Periclista leucostoma Rohwer

Can. Ent., Vol. XLI, No. 11, November, 1909, p. 397.

Cotypes.—♀ and ♂: Claremont, California (C. F. Baker).

Periclista occidentalis Rohwer

Can. Ent., Vol. XLI, No. 11, November, 1909, p. 398.

Cotype.—♀: Claremont, California (C. F. Baker).

Periclista patchi MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 29.

Type.—♀: Orono, Maine, July 13, 1905.

Perineura kincaidiae MacGillivray

Can. Ent., Vol. XXVII, No. 1, January, 1895, p. 7.

Type.—♀: Olympia, Washington, May 28, 1893 (T. Kincaid).

Perineura turbata Rohwer

Proc. U. S. N. M., Vol. 41, October 14, 1911, p. 408.

Paratypes.—♂ and ♀: North Fork of Swannanoa River, Black Mountains, North Carolina, May (N. Banks).

This species has been subsequently sunk as a synonym of *Leucopelmonus confusus* (Norton) by MacGillivray (1919).

Phlebatrophia mathesoni MacGillivray

Can. Ent., Vol. XLI, No. 10, October, 1909, p. 345.

Type.—♀: New Glasgow, Nova Scotia, reared from larvae in leaf-mines on birch (R. Matheson).

Paratypes.—♀: New Glasgow, Nova Scotia, reared from larvae in leaf-mines on birch (R. Matheson).

The genotype of *Phlebatrophia* MacGillivray (original designation).

Phrontosoma atrum MacGillivray

Can. Ent., Vol. XL, No. 10, October, 1908, p. 367.

Type.—♂: Ames, Iowa, May 11, 1897 (E. D. Ball).

The genotype of *Phrontosoma* MacGillivray (original description).

Phrontosoma collaris MacGillivray

Can. Ent., Vol. XL, No. 10, October, 1908, p. 367.

Type.—♀: Ames, Iowa, May 11, 1897 (E. D. Ball).

Phrontosoma daeckei MacGillivray

Can. Ent., Vol. XL, No. 10, October, 1908, p. 367.

Type.—♀: Glenside, Mtg. County, Pennsylvania (E. Daecke).

Platycampus victoria MacGillivray

Can. Ent., Vol. LII, No. 3, March, 1920, p. 61.

Paratypes.—♀: Victoria, British Columbia, May 29-June 26, 1918, bred from larvae on Lombardy poplar (W. Downes). Recently sunk as a synonym of the European *Trichocampus viminalis* Fall.

Platycampus vierecki MacGillivray

Can. Ent., Vol. LII, No. 3, March, 1920, p. 60.

Type.—♀: Cloudcroft, New Mexico, June 18, 1902 (H. L. Viereck).

Poecilostoma convexa MacGillivray

Can. Ent., Vol. XLI, No. 11, November, 1909, p. 402.

Type.—♀: New Brunswick, New Jersey (J. B. Smith).

Transferred to the genus *Empria* Lepeletier by MacGillivray in 1916.

Polybates slossonae MacGillivray

Ann. Ent. Soc. Amer., Vol. II, No. 4, December, 1909, p. 265.

Type.—♀: Franconia, New Hampshire (A. T. Slosson).

One antenna is missing. The genotype of *Polybates* MacGillivray (original designation and monobasic).

Pontania atrata MacGillivray

Rep. Can. Arctic Exped., 1913-1918, Vol. 3G, November, 1919, p. 6G.

Paratype.—♂: Herschel Island, Yukon Territory, Canada, bred from *Salix arctica*, July, 1915 (F. Johansen).

Pontania daedala MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 33.

Type.—♀: Ithaca, New York, bred, August 21, 1917, No. 7-6 (H. Yuasa).

Paratype.—♀: Ithaca, New York, bred, August 21, 1917, No. 7-6 (H. Yuasa).

Pontania decrepita MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 33.

Type.—♀: Ithaca, New York, bred, July 21, 1917, No. 35-2-5 (H. Yuasa).

Pontania dedecora MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 32.

Type.—♀: Ithaca, New York, bred, May 24, 1919, No. 185a-2.

Paratype.—♀: Ithaca, New York, bred, May 7, 1919, No. 8-51 (?)-1-1 (H. Yuasa).

Pontania demissa MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 33.

Type.—♀: Ithaca, New York, bred, May 13, 1919, No. 191-1-1 (H. Yuasa).

Paratype.—♀: Ithaca, New York, bred, May 13, 1919, No. 191-1-1 (H. Yuasa).

Pontania derosa MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 34.

Type.—♀: Ithaca, New York, bred, May 13, 1919, No. 142-1-1 (H. Yuasa).

Pontania disticta MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 168.

Type.—♀: Katmai, Alaska, June, 1917 (J. S. Hine).

Pontania divincta MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 34.

Type.—♀: Orono, Maine, August 1, 1913, Sub. 9.

Lectoallotype.—♂: Orono, Maine, Sub. 226.

The lectoallotype was labeled by MacGillivray as a paratype.

Pontania dotata MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXIX, No. 1, March, 1921, p. 34.

Type.—♂: Ithaca, New York, bred, August 25, 1918, No. 8.48 (?)-1-1 (H. Yuasa).

Paratype.—♂: Ithaca, New York, bred, August 25, 1918, No. 8.48 (?)-1-1 (H. Yuasa).

Pontania lorata MacGillivray

Rep. Can. Arctic Exped., 1913-1918, Vol. 3G, November, 1919, p. 8G.

Paratype.—♂: Herschel Island, Yukon Territory, Canada, bred from galls of *Salix arctica*, July, 1915, No. 255 (F. Johansen).

Pontania subatrata MacGillivray

Proc. Calif. Acad. Sc., Vol. XI, No. 14, (4th Series), November 2, 1921, p. 189.

Paratypes.—♂: St. George Island, Alaska, June 30, 1920 (G. D. Hanna).

Pontania sublurata MacGillivray

Proc. Calif. Acad. Sc., Vol. XI, No. 14 (4th Series), November 2, 1921, p. 190.

Paratypes.—♂: St. George Island, Alaska, June 30, 1920 (G. D. Hanna).

Priophorus acericaulis MacGillivray

Can. Ent., Vol. XXXVIII, No. 9, September, 1906, p. 306.

Type.—♀: New Haven, Connecticut, May 15, 1906 (B. H. Walden).

Paratypes.—♀: New Haven, Connecticut, May 3-May 15, 1916 (B. H. Walden).

Now placed in the genus *Caulocampus* Rohwer.

The genotype of *Caulocampus* Rohwer (original designation and monobasic).

Priophorus modestius MacGillivray

Ent. News, Vol. XXXII, No. 2, February, 1921, p. 49.

Type.—♀: Orono, Maine, August 9, 1913, Sub. 109.

Priophorus moratus MacGillivray

Ent. News, Vol. XXXII, No. 2, February, 1921, p. 50.

Type.—♀: Orono, Maine, August 12, 1913, Sub. 1.

The "Sub. q." mentioned in the original description is evidently a typographical error.

Priophorus munditus MacGillivray

Ent. News, Vol. XXXII, No. 2, February, 1921, p. 50.

Type.—♀: Orono, Maine, August 9, 1913, Sub. 174.

Pristiphora ostaria MacGillivray

Can. Ent., Vol. LII, No. 10, October, 1920, p. 236.

Type.—♀: Ithaca, New York, August 16, 1918, No. 212-1-1 (H. Yuasa).

Lectoallotype.—♂: Ithaca, New York, August 15, 1918, No. 212-1-1 (H. Yuasa).

The lectoallotype was labeled by MacGillivray as a paratype.

Profenusia collaris MacGillivray

Can. Ent., Vol. XLVI, No. 10, October, 1914, p. 364.

Type.—♀: Geneva, New York, bred from larvae mining the leaves of cherry, May 4, 1911 (P. J. Parrott).

Lectoallotype.—♂: Ithaca, New York, on *Crataegus*, May 17, 1911 (A. Rutherford).Paratypes.—♀: Geneva, New York, bred from larvae mining the leaves of cherry, May 4, 1911 (P. J. Parrott); Ithaca, New York, on *Crataegus*, May 17, 1911 (A. Rutherford).The genotype of *Profenusia* MacGillivray (original designation and monobasic).**Prototaxonus typicus** Rohwer

Can. Ent., Vol. XLII, No. 2, February, 1910, p. 50.

Cotype.—♂: Mountains near Claremont, California (C. F. Baker).

The genotype of *Prototaxonus* Rohwer (original designation).**Pseudoselandria oxalata** MacGillivray

Can. Ent., Vol. XLVI, No. 3, March, 1914, p. 104.

Type.—♀: Wisconsin (S. Graenicher).

In fair condition. The genotype of *Pseudoselandria* MacGillivray (original designation). There is also a male with the same data determined as this species in the collection, but it is not mentioned in the original description. The old type label on the female bears both "♂" and "♀" characters, indicating male specimen was received at same time as female type.**Pteronidea edessa** MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 30.

Type.—♀: Sterensburg, Missouri, April 12, 1911 (J. M. Enschede).

The antennae are missing.

Pteronidea edita MacGillivray

Can. Ent., Vol. LII, No. 10, October, 1920, p. 235.

Type.—♂: Ithaca, New York, bred, July 29, 1917, No. 5-1-6 (H. Yuasa).

Pteronidea edura MacGillivray

Can. Ent., Vol. LII, No. 10, October, 1920, p. 233.

Type.—♀: Ithaca, New York, bred, July 16, 1918, No. 8.45 (?) -1-1 (H. Yuasa).

Pteronidea effeta MacGillivray

Can. Ent., Vol. LII, No. 10, October, 1920, p. 234.

Type.—♀: Orono, Maine, bred, poplar, August 9, 1913, Sub. 158.

Pteronidea effrenatus MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 171.

Type.—♀: Katmai, Alaska, July, 1917 (J. S. Hine).

- Pteronidea effusa** MacGillivray
 Can. Ent., Vol. LII, No. 10, October, 1920, p. 233.
 Type.—♀: Orono, Maine, bred, July 26, 1913, Sub. 110.
- Pteronidea egeria** MacGillivray
 Can. Ent., Vol. LV, No. 7, July, 1923, p. 161.
 Type.—♀: Edmonton, Alberta, Canada, April 24, 1916 (F. S. Carr).
 The antennae are missing.
- Pteronidea egnatia** MacGillivray
 Can. Ent., Vol. LV, No. 7, July, 1923, p. 162.
 Type.—♀: Edmonton, Alberta, Canada, May 19, 1917 (F. S. Carr).
- Pteronidea electra** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 30.
 Type.—♀: Corvallis, Oregon, May 23, 1913 (Denny).
- Pteronidea elelea** MacGillivray
 Can. Ent., Vol. LV, No. 7, July, 1923, p. 162.
 Type.—♀: Edmonton, Alberta, Canada, May 7, 1917 (F. S. Carr).
- Pteronidea emerita** MacGillivray
 Can. Ent., Vol. LII, No. 10, October, 1920, p. 234.
 Type.—♀: Orono, Maine, bred, birch, August 1, 1913, Sub. 139.
 In poor condition.
- Pteronidea enavata** MacGillivray
 Can. Ent., Vol. LII, No. 10, October, 1920, p. 236.
 Type.—♀: Orono, Maine, Sub. 25.
- Pteronidea equatua** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 30.
 Type.—♂: Corvallis, Oregon, May 17, 1915 (D. E. Brown).
- Pteronidea equina** MacGillivray
 Can. Ent., Vol. LII, No. 10, October, 1920, p. 235.
 Type.—♀: Orono, Maine, August 1, 1913, Sub. 71.
 Paratype.—♀: Orono, Maine, Sub. 71.
- Pteronidea erratus** MacGillivray
 Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 170.
 Type.—♀: Kodiak, Alaska, June 10, 1917 (J. S. Hine).
- Pteronidea erudita** MacGillivray
 Can. Ent., Vol. LII, No. 10, October, 1920, p. 234.
 Type.—♀: Orono, Maine, bred, willow, August 12, 1913, Sub. 12.
- Pteronidea evanida** MacGillivray
 Can. Ent., Vol. LII, No. 10, October, 1920, p. 233.
 Type.—♀: Orono, Maine, bred, July 28, 1913, Sub. 119.
 Lectoallotype.—♂: Orono, Maine, bred, July 26, 1913, Sub. 111.
 Paratype.—♀: Orono, Maine, bred, August 1, 1913, Sub. 119.
 The lectoallotype was labeled by MacGillivray as a paratype.
- Pteronidea exacta** MacGillivray
 Can. Ent., Vol. LII, No. 10, October, 1920, p. 235.
 Type.—♂: Orono, Maine, bred, Sub. 172.
- Pteronidea excessus** MacGillivray
 Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 170.
 Type.—♀: Katmai, Alaska, July, 1917 (J. S. Hine).
 Antennal segments mostly missing.
- Rhadinoceraea similata** MacGillivray
 Can. Ent., Vol. XL, No. 8, August, 1908, p. 290.
 Type.—♀: Agricultural College, Michigan, June 3, 1896.
 Lectoallotype.—♂: Ithaca, New York.
 The lectoallotype was labeled by MacGillivray as a paratype.
- Rhogogastera respectus** MacGillivray
 Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 165
 Type.—♀: Katmai, Alaska, July, 1917 (J. S. Hine).

- Rhogogastera respersus** MacGillivray
 Journ N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 165.
 Type.—♂: Katmai, Alaska, July, 1917 (J. S. Hine).
- Rhogogastera ruga** MacGillivray
 Can. Ent., Vol. LV, No. 7, July, 1923, p. 160.
 Type.—♀: Edmonton, Alberta, Alaska, May 30, 1917 (F. S. Carr).
- Schizocerus johnsoni** MacGillivray
 Can. Ent., Vol. XLI, No. 11, November, 1909, p. 403.
 Type.—♀: Riverton, New Jersey, June 27 (C. W. Johnson).
- Selandria bipartita** Cresson
 Trans. Amer. Ent. Soc., Vol. VIII, January, 1880, p. 12.
 Paratype.—♂: Texas.
 Transferred to the genus *Periclista* Konow by Konow (1905). Antennae missing.
- Selandria caryae** Norton
 Trans. Amer. Ent. Soc., Vol. IV, May, 1872, p. 83.
 Allotype.—♂: No data associated with specimen.
 Transferred by MacGillivray (1916) to the genus *Erythraspides* Ashmead.
 Antennae missing.
- Selandria diluta** Cresson
 Trans. Amer. Ent. Soc., Vol. VIII, January, 1880, p. 12.
 Paratype.—♀: Missouri.
 Transferred by MacGillivray (1916) to the genus *Isodyctium* Ashmead which is now considered as a synonym of *Periclista* Konow. Right antenna missing.
- Selandria floridana** MacGillivray
 Can. Ent., Vol. XXVII, No. 10, October, 1895, p. 281.
 Type.—♂: Ormond, Florida.
 MacGillivray has transferred this species to the genus *Polyselandria* MacGillivray. The genotype of *Polyselandria* MacGillivray (original designation).
- Simplemphytus pacificus** MacGillivray
 Can. Ent., Vol. XLVI, No. 10, October, 1914, p. 363.
 Type.—♀: Troutdale, Oregon, reared from larvae boring in stems of cherry, December 8, 1913 (H. F. Wilson).
 Paratypes.—♀ and ♂: Troutdale, Oregon, reared from larvae boring in stems of cherry, February 27, 1914 (H. F. Wilson).
 Though a male is included in the type series it is not recorded in the original description as such, and therefore it has not been selected as a lectoallotype. The genotype of *Simplemphytus* MacGillivray (original designation).
- Strongylogaster pacificus** MacGillivray
 Can. Ent., Vol. XXV, No. 10, October, 1893, p. 241.
 Cotype.—♀: Olympia, Washington, May 21, 1892 (T. Kincaid).
 Cotype.—♂: Olympia, Washington, May 7, 1893 (T. Kincaid).
- Strongylogaster primativus** MacGillivray
 Can. Ent., Vol. XXV, No. 10, October, 1893, p. 241.
 Cotype.—♀: Olympia, Washington, May 18, 1892 (T. Kincaid).
 In fair condition. Transferred to the genus *Tenthredopsis* Costa by MacGillivray in 1894.
- Strongylogaster rufoculus** MacGillivray
 Can. Ent., Vol. XXVI, No. 11, November, 1894, p. 327.
 Type.—♀: Ithaca, New York, June 5, 1890.
 In the collection MacGillivray had transferred this to the genus *Strongylogastroidea* Ashmead.

Strongylogastroidea confusa MacGillivray

Can. Ent., Vol. XL, No. 10, October, 1908, p. 369.

Type.—♀: West Springfield, Massachusetts, June 22, 1897 (J. O. Martin).

Strongylogastroidea depressata MacGillivray

Psyche, Vol. XXVIII, No. 2, April, 1921, p. 31.

Type.—♀: Orono, Maine, reared (H. Yuasa, Sub. 39).

Strongylogastroidea potulenta MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 31.

Type.—♀: Poughkeepsie, New York, June 26 (R. L. Junghanns).

This type is stated to be a male in the original description, but it is a female.

Strongylogastroidea rufinervra MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 31.

Type.—♀: Glen to Half-way House, White Mountains, New Hampshire, July 8, 1891 (A. P. Morse).

Strongylogastroidea rufocinctana MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 31.

Type.—♀: Richmond Hill, Long Island, New York, June 1, 1903.

Strongylogastroidea rufocinctella MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 32.

Type.—♀: Hampton, New Hampshire, June 1, 1906 (S. A. Shaw).

The type is stated to be a male in the original description, but it is a female.

Strongylogastroidea rufula MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 32.

Type.—♀: Ithaca, New York, August 11, 1904.

Strongylogastroidea shermani MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 32.

Type.—♀: Hendersonville, North Carolina, June, 1907 (F. Sherman, Jr.).

Strongylogastroidea spiculatus MacGillivray

Can. Ent., Vol. XL, No. 10, October, 1908, p. 369.

Type.—♀: Ellenville, New York, June 9, 1898 (C. Young).

Strongylogastroidea unicinctella MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 33.

Type.—♀: Ithaca, New York, August 10, 1904.

Taxonus borealis MacGillivray

Can. Ent., Vol. XXVII, No. 3, March, 1895, p. 78.

Type.—♀: Mount Washington, New Hampshire (A. T. Slosson).

Transferred by MacGillivray to the genus *Strongylogastroidea* Ashmead.Now considered as synonymous with *Taxonus unicinctus* Norton.**Taxonus inclinatus** MacGillivray

Psyche, Vol. XXX, No. 2, April, 1923, p. 78.

Type.—♂: Corvallis, Oregon, May 13 (Hardman).

Taxonus innominatus MacGillivray

N. Y. State Mus., Bull. 47, September, 1901, p. 585.

Type.—♀: Saranac Inn, New York, August 3, 1900.

Tenthredo aequalis MacGillivray

Can. Ent., Vol. XXVII, No. 10, October, 1895, p. 284.

Type.—♀: Colorado, 1342 (C. F. Baker).

Tenthredo aldrichi MacGillivray

Can. Ent., Vol. XXXII, No. 6, June, 1900, p. 183.

Type.—♀: Juliaetta, Idaho, May 1, 1899 (J. M. Aldrich).

Tenthredo alpinius MacGillivray

Can. Ent., Vol. XXXII, No. 6, June, 1900, p. 182.

Type.—♀: Olympia, Washington, July 3, 1896 (T. Kincaid).

Tenthredo atracostus MacGillivray

Can. Ent., Vol. XXXII, No. 6, June, 1900, p. 183.

Type.—♀: Craigs Mountain, Idaho (J. M. Aldrich).

Tenthredo atravenous MacGillivray

Can. Ent., Vol. XXVII, No. 10, October, 1895, p. 283.

Type.—♂: Juliaetta, Idaho (J. M. Aldrich).

Tenthredo bilineatus MacGillivray

Can. Ent., Vol. XXVII, No. 10, October, 1895, p. 282.

Type.—♀: Ithaca, New York, July 1, 1894.

Tenthredo capitatus MacGillivray

Journ. N. Y. Ent. Soc., Vol. V, No. 3, September, 1897, p. 108.

Type.—♀: Olympia, Washington, May 25, 1894 (T. Kincaid).

Tenthredo causatus MacGillivray

Can. Ent., Vol. XXXII, No. 6, June, 1900, p. 178.

Type.—♂: Ithaca, New York, June 19, 1897.

Tenthredo dubitatus MacGillivray

Journ. N. Y. Ent. Soc. Vol. V, No. 3, September, 1897, p. 103.

Type.—♂: Jay, Vermont, July 15, 1891 (A. P. Morse).

Specific name emended to *dubitata* by MacGillivray in 1916. Now considered as a color variant of *Tenthredella grandis* (Norton).*Tenthredo fernaldii* MacGillivray

Can. Ent., Vol. XXXII, No. 6, June, 1900, p. 177.

Type.—♀: Amherst (Hatch Experiment Station), Massachusetts, July 8, 1895 (C. H. Fernald).

Specific name emended to *fernaldi* by MacGillivray in 1916. Now considered as a color variant of *Tenthredo [Allantus] dubia* (Norton).*Tenthredo hyalinus* MacGillivray

Journ. N. Y. Ent. Soc., Vol. V, No. 3, September, 1897, p. 108.

Type.—♂: Plattsburg, New York, June 12, 1894 (H. G. Dyar).

Tenthredo junghannsi MacGillivray

Can. Ent., Vol. XXXII, No. 6, June, 1900, p. 179.

Type.—♀: Ithaca, New York, June 19, 1895 (R. L. Junghanns).

Paratypes.—♀: Ithaca, New York, June 19, 1895 (R. L. Junghanns).

Tenthredo laterala MacGillivray

Journ. N. Y. Ent. Soc., Vol. V, No. 3, September, 1897, p. 108.

Type.—♀: Colorado, 1342 (C. F. Baker).

Tenthredo linipes MacGillivray

Journ. N. Y. Ent. Soc., Vol. V, No. 3, September, 1897, p. 104.

Type.—♂: Olympia, Washington, June 1, 1894 (T. Kincaid).

Paratypes.—♂: Olympia, Washington, May 16, 1897 (T. Kincaid).

Tenthredo lunatus MacGillivray

Can. Ent., Vol. XXXII, No. 6, June, 1900, p. 180.

Type.—♀: Olympia, Washington, May 10, 1894 (T. Kincaid).

Tenthredo magnatus MacGillivray

Journ. N. Y. Ent. Soc., Vol. V, No. 3, September, 1897, p. 107.

Type.—♂: Olympia, Washington, July 30, 1893 (T. Kincaid).

Tenthredo messica MacGillivray

Journ. N. Y. Ent. Soc., Vol. V, No. 3, September, 1897, p. 107.

Type.—♂: Olympia, Washington, July 2, 1893 (T. Kincaid).

Paratype.—♂: Olympia, Washington, June 13, 1894 (T. Kincaid).

Tenthredo messicaeformis Rohwer

Can. Ent., Vol. XLI, No. 5, May, 1909, p. 147.

Paratype.—♂: Top of Las Vegas Range, New Mexico, June 28, (T. D. A. Cockerell).

Antennae are missing.

Tenthredo neoslossoni MacGillivray

Can. Ent., Vol. XLVI, No. 4, April, 1914, p. 138.

Type.—♀: Franconia, New Hampshire (A. T. Slosson).

Now considered as a synonym of *Tenthredella cogitans* (Provancher).

Tenthredo nigricoxi MacGillivray

Can. Ent., Vol. XXXII, No. 6, June, 1900, p. 181.

Type.—♂: Olympia, Washington, May 9, 1894 (T. Kincaid).

Tenthredo nigrafascia MacGillivray

Can. Ent., Vol. XXXII, No. 6, June, 1900, p. 184.

Type.—♀: Olympia, Washington, May 28, 1895 (T. Kincaid).

Tenthredo nigribitalis MacGillivray

Journ. N. Y. Ent. Soc., Vol. V, No. 3, September, 1897, p. 107.

Type.—♂: Olympia, Washington, July 9, 1893 (T. Kincaid).

Tenthredo nova MacGillivray

Journ. N. Y. Ent. Soc., Vol. V, No. 3, September, 1897, p. 105.

Type.—♀: Mount Washington (A. T. Slosson).

Tenthredo obliquatus MacGillivray

Journ. N. Y. Ent. Soc., Vol. V, No. 3, September, 1897, p. 105.

Type.—♀: Olympia, Washington, July 16, 1893 (T. Kincaid).

Lectoallotype.—♂: Olympia, Washington, May 28, 1893 (T. Kincaid).

Now considered as a variety of *Tenthredella elegantula* Cresson.

The lectoallotype was labeled by MacGillivray as a paratype.

Tenthredo olivatipes MacGillivray

Can. Ent., Vol. XXXII, No. 6, June, 1900, p. 180.

Type.—♀: Olympia, Washington, July 2, 1893 (T. Kincaid).

Tenthredo pallicola MacGillivray

Can. Ent., Vol. XXVII, No. 3, March, 1895, p. 80.

Type.—♀: Mount Washington, New Hampshire (A. T. Slosson).

Tenthredo pallipectis MacGillivray

Journ. N. Y. Ent. Soc., Vol. V, No. 3, September, 1897, p. 106.

Type.—♂: Olympia, Washington, July 2, 1893 (T. Kincaid).

Tenthredo pallipunctus MacGillivray

Can. Ent., Vol. XXVII, No. 10, October, 1895, p. 282.

Type.—♀: Colorado, 782 (C. F. Baker).

Tenthredo perplexus MacGillivray

Journ. N. Y. Ent. Soc., Vol. V, No. 3, September, 1897, p. 104.

Type.—♀: Olympia, Washington, May 23, 1894 (T. Kincaid).

Tenthredo rabida MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 110.

Type.—♀: Mary's Peak, Corvallis, Oregon, July 14, (L. G. Gentner).

Tenthredo rabiosa MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 112.

Type.—♀: Philomath, Oregon, May 16 (A. L. Lovett).

Tenthredo rabula MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 112.

Type.—♂: Corvallis, Oregon (Hunter).

Tenthredo racilia MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 112.

Type.—♂: Corvallis, Oregon (L. K. Couch).

Tenthredo ralla MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 111.

Type.—♀: Mary's Peak, Corvallis, Oregon, July 14 (A. L. Lovett).

The antennae are missing.

Tenthredo redimacula MacGillivray

Can. Ent., Vol. XXVII, No. 3, March, 1895, p. 78.

Type.—♀: Mount Washington, New Hampshire (A. T. Slosson).

Paratype.—♀: Mount Washington, New Hampshire (A. T. Slosson).

Tenthredo reduvia MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 108.

Type.—♀: Corvallis, Oregon, July 1, 1905 (Foster).

Tenthredo refactoria MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 113.
Type.—♀: Union County, Oregon, June 22, 1922 (A. L. Lovett).

Tenthredo reflua MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 111.
Type.—♂: Bellfountain, Oregon, May 27, 1922 (A. L. Lovett).

Tenthredo refuga MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 167.
Type.—♀: Katmai, Alaska, July, 1917 (J. S. Hine).
Paratype.—♀: Katmai, Alaska, July, 1917 (J. S. Hine).

Tenthredo regula MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 166.
Type.—♀: Katmai, Alaska, July, 1917 (J. S. Hine).

Tenthredo reliqua MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 168.
Type.—♀: Katmai, Alaska, July, 1917 (J. S. Hine).
Paratype.—♀: Katmai, Alaska, July, 1917 (J. S. Hine).

Tenthredo remea MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 107.
Type.—♀: Corvallis, Oregon, May 16, 1914 (Finch).

Tenthredo remissa MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 114.
Type.—♂: Corvallis, Oregon, June 3, 1908.

Tenthredo remora MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 108.
Type.—♂: Corvallis, Oregon, May 24, 1912 (F. C. Shepard).
Now considered as a synonym of *Tenthredella signata* (Norton).

Tenthredo remota MacGillivray

Can. Ent., Vol. XXVII, No. 3, March, 1895, p. 81.
Type.—♀: Franconia, New Hampshire (A. T. Slosson).

Tenthredo reperta MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 115.
Type.—♀: Juliaetta, Idaho (J. M. Aldrich).

Paratype.—♀: Lewiston, Idaho (J. M. Aldrich).

Tenthredo replata MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 115.
Type.—♀: Ormsby County, Nevada, July (C. F. Baker).

Tenthredo repleta MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 111.
Type.—♀: Mary's Peak, Corvallis, Oregon, July 14, (L. G. Gentner).
Paratypes.—♀: Mary's Peak, Corvallis, Oregon, July 18, 1914 (L. G. Gentner), Rock Creek, Oregon, July 14, (A. L. Lovett).
The paratype from Rock Creek, Oregon, is not mentioned by locality in the original description. It is labeled as a paratype by MacGillivray and is undoubtedly the specimen referred to in the original description as collected by A. L. Lovett, because the other two specimens were collected by L. G. Gentner.

Tenthredo reposita MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 116.
Type.—♂: Bellfountain, Oregon, May 27, 1922 (A. L. Lovett).

Tenthredo reputina MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 114.
Type.—♂: Bellfountain, Oregon, May 27, 1922 (A. L. Lovett).

Paratypes.—♂: Bellfountain, Oregon, May 27, 1922 (A. L. Lovett).

Tenthredo reputinella MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 33.

Type.—♂: Mount Washington, New Hampshire (A. T. Slosson).

Tenthredo requieta MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 167.

Type.—♀: Katmai, Alaska, June, 1917 (J. S. Hine).

Tenthredo resegrima MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 115.

Type.—♂: Bellfountain, Oregon, May 27, 1922 (A. L. Lovett).

Tenthredo resima MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 109.

Type.—♀: Mary's River, Corvallis, Oregon, May 3 (Hardman).

Tenthredo resticula MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 168.

Type.—♀: Katmai, Alaska, July, 1917 (J. S. Hine).

Paratype.—♀: Katmai, Alaska, July, 1917 (J. S. Hine).

Tenthredo restricta MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 110.

Type.—♂: Alsea, Oregon, June 4, 1922 (A. L. Lovett).

Tenthredo resupina MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 113.

Type.—♂: Bellfountain, Oregon, May 27, 1922 (A. L. Lovett).

Tenthredo reticentia MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 114.

Type.—♀: Corvallis, Oregon, May 30, 1912 (E. O. Dalgren).

Paratypes.—♀: Alsea, Oregon (A. L. Lovett).

Tenthredo retinencia MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 166.

Type.—♀: Kodiak, Alaska, June 10, 1917 (J. S. Hine).

Tenthredo retosta MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 109.

Type.—♂: There is no locality label associated with the specimen. MacGillivray lists it as "? Corvallis, Oregon; received from A. L. Lovett."

Tenthredo retroversa MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 167.

Type.—♂: Katmai, Alaska, July, 1917 (J. S. Hine).

Tenthredo rhammisia MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 33.

Type.—♀: Sea Side, Oregon, August 15, 1914 (L. G. Gentner).

Tenthredo rima MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 110.

Type.—♂: Corvallis, Oregon, April 16, 1896.

Tenthredo ripula MacGillivray

Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 109.

Type.—♂: Corvallis, Oregon, May 27, 1914 (R. K.).

Tenthredo rota MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 34.

Type.—♀: Colorado.

Tenthredo rotula MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 34.

Type.—♂: Potsdam, New York, June, 1899 (C. O. Houghton).

Tenthredo rubicunda MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 34.

Type.—♀: Franconia, New Hampshire (A. T. Slosson).

Tenthredo rubrica MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 35.

Type.—♀: Moscow, Idaho (J. M. Aldrich).

Tenthredo rubricosa MacGillivray

Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 35.

Type.—♂: Algonquin, Illinois (W. A. Nason).

- Tenthredo rubripes** MacGillivray
 Can. Ent., Vol. XXXII, No. 6, June, 1900, p. 178.
 Type.—♂: Ithaca, New York, June 19, 1897 (R. L. Junghanns).
 Paratype.—♂: Ithaca, New York, June 3, 1897 (R. L. Junghanns).
- Tenthredo rubrisommus** MacGillivray
 Can. Ent., Vol. XXII, No. 6, June, 1900, p. 181.
 Type.—♀: Grangeville, Idaho (J. M. Aldrich).
- Tenthredo rudicula** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 35.
 Type.—♀: Orono, Maine.
- Tenthredo rufostigmus** MacGillivray
 Can. Ent., Vol. XXVII, No. 10, October, 1895, p. 283.
 Type.—♂: Craig's Mountain, Idaho (J. M. Aldrich).
- Tenthredo ruina** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 36.
 Type.—♀: Vollmer, Idaho, May 30 (J. M. Aldrich).
- Tenthredo ruinosa** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 36.
 Type.—♀: Southwestern Colorado, July 23, 1899 (E. J. Oslar).
- Tenthredo rumra** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 36.
 Type.—♂: Jeannette, Pennsylvania (H. G. Klages).
- Tenthredo ruminata** MacGillivray
 Can. Ent., Vol. LV, No. 7, July, 1923, p. 160.
 Type.—♀: Edmonton, Alberta, July 29, 1916 (F. S. Carr).
 A large part of the antennae is missing.
- Tenthredo rurigena** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 36.
 Type.—♀: Colorado.
- Tenthredo russa** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 37.
 Type.—♀: Harrison, Idaho (J. M. Aldrich).
- Tenthredo rustica** MacGillivray
 Journ. N. Y. Ent. Soc., Vol. XXXI, No. 2, June, 1923, p. 113.
 Type.—♂: Union County, Oregon, June 22, 1922 (A. L. Lovett).
- Tenthredo rusticana** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 37.
 Type.—♀: Black Mountains, North Carolina, June (W. Beutenmüller).
- Tenthredo rusticana** MacGillivray
 Journ. N. Y. Ent. Soc., Vol. XXXI, No. 4, December, 1923, p. 166.
 Type.—♂: Katmai, Alaska, July, 1917 (J. S. Hine).
- Tenthredo ruta** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 37.
 Type.—♀: Pullman, Washington, May 5, 1905 (C. V. Piper).
- Tenthredo rutata** MacGillivray
 Univ. Ill. Bull., Vol. XX, No. 50, August 13, 1923, p. 38.
 Type.—♀: Culvers Lake, New Jersey, May 29.
- Tenthredo rutilla** MacGillivray
 Can. Ent., Vol. LV, No. 7, July, 1923, p. 160.
 Type.—♀: Edmonton, Alberta, Canada, June, 1917 (F. S. Carr).
- Tenthredo savagei** MacGillivray
 Can. Ent., Vol. XXXII, No. 6, June, 1900, p. 184.
 Type.—♀: Juliaetta, Idaho (J. M. Aldrich).
- Tenthredo secundus** MacGillivray
 Journ. N. Y. Ent. Soc., Vol. V, No. 3, September, 1897, p. 105.
 Type.—♀: Mount Washington, New Hampshire (A. T. Slosson).
 Paratype—♀: Mount Wushington, New Hampshire (A. T. Slosson).

Tenthredo sicatus MacGillivray

Can. Ent., Vol. XXXII, No. 6, June, 1900, p. 179.

Type.—♂: Washington (C. V. Piper).

Tenthredo simulatus MacGillivray

Journ. N. Y. Ent. Soc., Vol. V, No. 3, September, 1897, p. 105.

Type.—♀: Winchendon, Massachusetts, July 1, 1892 (A. P. Morse).

Tenthredo slossonii MacGillivray

Can. Ent., Vol. XXXII, No. 6, June, 1900, p. 179.

Type.—♂: Franconia, New Hampshire (A. T. Slosson).

Spelling of specific name emended to *slossoni* by MacGillivray in 1916.Now considered as a synonym of *Tenthredella signata* (Norton).**Tenthredo smectica** MacGillivray

Bull. Brooklyn Ent. Soc., Vol. XV, No. 4, October, 1920, p. 113.

Type.—♀: Ithaca, New York, bred, May 29, 1919, 8-11-2 (?)-2 (H. Yuasa).

Tenthredo stigmatus MacGillivray

Journ. N. Y. Ent. Soc., Vol. V, No. 3, September, 1897, p. 108.

Type.—♂: Seattle, Washington, June 4, 1895 (S. Bethel).

Tenthredo terminatus MacGillivray

Can. Ent., Vol. XXVII, No. 10, October, 1895, p. 283.

Type.—♀: Colorado, 1365 (C. F. Baker).

Tenthredo ventricus MacGillivray

Can. Ent., Vol. XXVII, No. 10, October, 1895, p. 284.

Type.—♂: Colorado, 860 (C. F. Baker).

Tenthredo yuasi MacGillivray

Bull. Brooklyn Ent. Soc., Vol. XV, No. 4, October, 1920, p. 112.

Type.—♀: Ithaca, New York, bred, May 20, 1919, 8-46-1 (H. Yuasa).

Tenthredopsis ruficornis (MacGillivray)

Can. Ent., Vol. XXV, No. 10, October, 1893, p. 242.

Type.—♀: Olympia, Washington, May 22, 1892 (T. Kincaid).

Subsequently made the genotype of *Kincaidia* MacGillivray (original designation).**Thrinax pullatus** MacGillivray

Psyche, Vol. XXVIII, No. 2, April, 1921, p. 34.

Type.—♂: Ithaca, New York, May 21, 1918, reared (H. Yuasa, 20-1).

Tomostethus nortoni MacGillivray

Can. Ent., Vol. XL, No. 8, August, 1908, p. 291.

Type.—♀: Ames, Iowa (E. D. Ball).

Trichocampus pacatus MacGillivray

Ent. News, Vol. XXXII, No. 2, February, 1921, p. 48.

Type.—♀: Ithaca, New York, bred, August 20, 1919, No. 88-1 (H. Yuasa).

Trichocampus paetus MacGillivray

Ent. News, Vol. XXXII, No. 2, February, 1921, p. 48.

Type.—♀: Onekama, Michigan, bred from larva on *Populus*, August, 1914 (A. D. MacGillivray).**Trichocampus palliolatus** MacGillivray

Ent. News, Vol. XXXII, No. 2, February, 1921, p. 49.

Type.—♀: Ithaca, New York, bred, July 4, 1918, No. 15-4-1-1 (H. Yuasa).

Now placed in the genus *Priophorus* Dahlbom (Yuasa, 1922).**Trichocampus patchiae** MacGillivray

Ent. News, Vol. XXXII, No. 2, February, 1921, p. 48.

Type.—♀: Orono, Maine, bred, August 9, 1913, Sub. 100.

Paratype.—♀: Orono, Maine, bred, August 9, 1913, Sub. 100.

Trichiosoma confundum MacGillivray

Can. Ent., Vol. LV, No. 7, July, 1923, p. 161.

Type.—♀: Edmonton, Alberta, Canada, June 15, 1917 (F. S. Carr).

Trichiosoma confusum MacGillivray

State Geol. Nat. Hist. Surv. Conn., Bull. 22, 1916, p. 103.

Type.—♂: Saranac Inn, New York, June 17, 1900.

Lectoallotype.—♀: No data.

Paratype.—♂: Adirondack Mountains, Axton, New York, June 12-22, 1901
(A. D. MacGillivray and C. O. H.).

This species is now considered a synonym of *Trichiosoma bicolor* Norton.

Trichiosoma spicatum MacGillivray

State Geol. Nat. Hist. Surv. Conn., Bull. 22, 1916, p. 103.

Type.—♂: Mount Katahdin, Maine.

Paratypes.—♂: Mount Katahdin, Maine, and Claremont, New Hampshire.

Unitaxonus repentinus MacGillivray

Psyche, Vol. XXVIII, No. 2, April, 1921, p. 32.

Type.—♀: Ithaca, New York, July 5, 1918, reared (H. Yuasa, 129-1-2).

Allotype.—♂: Ithaca, New York, July 2, 1918, reared (H. Yuasa, 129-1-2).

Paratype.—♀: Ithaca, New York, July 1, 1918, reared (H. Yuasa, 129-1-2).

The genotype of *Unitaxonus* MacGillivray (original designation).

Unitaxonus rumicis MacGillivray

Psyche, Vol. XXVIII, No. 2, April, 1921, p. 33.

Type.—♀: Ithaca, New York, reared (H. Yuasa, 91-2-1).

FAMILY SIRICIDAE.

Urocerus indecisus MacGillivray

Can. Ent., Vol. XXV, No. 10, October, 1893, p. 243.

Type.—♂: Olympia, Washington (T. Kincaid).

Urocerus riparius MacGillivray

Can. Ent., Vol. XXV, No. 10, October, 1893, p. 244.

Type.—♂: Skokomish River, Washington, May 3, 1892 (T. Kincaid).

APPENDIX

Types of some of the species of Tenthredinoidea described by Dr. A. D. MacGillivray are in the custody of other institutions. A few types which should be in his private collection were not found. The following list gives in alphabetical sequence the names of these species, and places of original descriptions and locations of types if known.

Amauronematus aulatus MacGillivray

Rept. Can. Arctic Exp. 1913-1918, Vol. 3G, November, 1919, p. 16g.
Type in Canadian National Collection.

Amauronematus cogitatus MacGillivray

Rept. Can. Arctic Exp. 1913-1918, Vol. 3G, November, 1919, p. 15g.
Type in Canadian National Collection.

Amauronematus compleetus MacGillivray

Rept. Can. Arctic Exp. 1913-1918, Vol. 3G, November, 1919, p. 13g.
Type in Canadian National Collection.

Amauronematus digestus MacGillivray

Rept. Can. Arctic Exp. 1913-1918, Vol. 3G, November, 1919, p. 14g.
Type in Canadian National Collection.

Amauronematus indicatus MacGillivray

Rept. Can. Arctic Exp. 1913-1918, Vol. 3G, November, 1919, p. 14g.
Type in Canadian National Collection.

Amauronematus magnus MacGillivray

Rept. Can. Arctic Exp. 1913-1918, Vol. 3G, November, 1919, p. 17g.
Type in Canadian National Collection.

Amauronematus varianus MacGillivray

Rept. Can. Arctic Exp. 1913-1918, Vol. 3G, November, 1919, p. 16g.
Type in Canadian National Collection.

Bivena maria MacGillivray

Can. Ent. Vol. XXVI, No. 11, November, 1894, p. 327.
Location of type?

Euura abortiva MacGillivray

Rept. Can. Arctic Exp. 1913-1918, Vol. 3G, November, 1919, p. 4g.
Type in Canadian National Collection.

Euura arctica MacGillivray

Rept. Can. Arctic Exp. 1913-1918, Vol. 3G, November, 1919, p. 5g.
Type in Canadian National Collection.

Lyda olympia MacGillivray

Can. Ent., Vol. XXV, No. 10, October, 1893, p. 243.
Location of type?

Macrophya bilineata MacGillivray

State Geol. Nat. Hist. Sur. Conn., Bull. 22, 1916, p. 96.

The type can not be in the MacGillivray Collection as indicated by Mac-Gillivray. It should be in the Collection of the Conn. Agr. Exp. Sta.
See notes under this name in text.

Macrophya slossonae MacGillivray

Can. Ent., Vol. XXVII, No. 3, March, 1895, p. 78.
Location of type?

- Messa atra** MacGillivray
 Can. Ent., Vol. XXV, No. 10, October, 1893, p. 238.
 Location of type?
- Pachynematus venustus** MacGillivray
 Proc. Calif. Acad. Sc., Vol. XI, No. 14 (4th Series), November 2, 1921,
 p. 190.
 Type in Calif. Acad. of Sciences.
- Pachynematus vernus** MacGillivray
 Proc. Calif. Acad. Sc., Vol. XI, No. 14 (4th Series), November 2, 1921,
 p. 191.
 Type in Calif. Acad. of Sciences.
- Parabates inspiratus** MacGillivray
 Ann. Ent. Soc. Amer., Vol. II, No. 4, December, 1909, p. 264.
 Type in Calif. Acad. of Sciences.
- Pontania delicatula** MacGillivray
 Rept. Can. Arctic Exp. 1913-1918, Vol. 3G, November, 1919, p. 86.
 Type in Canadian National Collection.
- Pontania deminuta** MacGillivray
 Rept. Can. Arctic Exp. 1913-1918, Vol. 3G, November, 1919, p. 9g.
 Type in Canadian National Collection.
- Pontania quadriasciata** MacGillivray
 Rept. Can. Arctic Exp. 1913-1918, Vol. 3G, November, 1919, p. 10g.
 Type in Canadian National Collection.
- Pontania stipata** MacGillivray
 Proc. Calif. Acad. Sc., Vol. XI, No. 14 (4th Series), November 2, 1921,
 p. 188.
 Type in Calif. Acad. of Sciences.
- Pontania subatrata** MacGillivray
 Proc. Calif. Acad. Sc., Vol. XI, No. 14 (4th Series), November 2, 1921,
 p. 189.
 Type in Calif. Acad. of Sciences.
- Pontania sublrorata** MacGillivray
 Proc. Calif. Acad. Sc., Vol. XI, No. 14 (4th Series), November 2, 1921,
 p. 190.
 Type in Calif. Acad. of Sciences.
- Pontania subpallida** MacGillivray
 Rept. Can. Arctic Exp. 1913-1918, Vol. 3G, November, 1919, p. 11g.
 Type in Canadian National Collection.
- Pontania sueta** MacGillivray
 Proc. Calif. Acad. Sc., Vol. XI, No. 14 (4th Series), November 2, 1921,
 p. 188.
 Type in Calif. Acad. of Sciences.
- Pontania trifasciata** MacGillivray
 Rept. Can. Arctic Exp. 1913-1918, Vol. 3G, November, 1919, p. 11g.
 Type in Canadian National Collection.
- Rhogogastera reliqua** MacGillivray
 Rept. Can. Arctic Exp. 1913-1918, Vol. 3G, November, 1919, p. 4g.
 Type in Canadian National Collection.
- Taxonus montanus** MacGillivray
 No description of this species found. Referred to by name only in Can.
 Ent., Vol. XL, No. 10, October, 1908, p. 366.
- Tenthredo frigida** MacGillivray
 Can. Ent., Vol. XXVII, No. 3, March, 1895, p. 80.
 Location of type?
- Tenthredopsis transversa** MacGillivray
 Can. Ent., Vol. XXV, No. 10, October, 1893, p. 242.
 Location of type?

INDEX

This index includes all scientific names referred to in this article, except those of the insect hosts or the plants from which the typic specimens were reared or collected. Order, family and generic names are in **bold face** type, valid specific and varietal names in Roman, synonymous and invalid names in *italics*. The generic name following the author's name indicates the genus under which the species is listed.

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