

**Article XXX.—TYPES OF INSECTS, EXCEPT LEPIDOPTERA
AND FORMICIDÆ, IN THE AMERICAN MUSEUM OF
NATURAL HISTORY ADDITIONAL TO
THOSE PREVIOUSLY LISTED.**

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Five lists of the types of insects in the possession of the Museum have thus far been published, all of them by Mr. Wm. Beutenmüller. The first (1892) was a list of the types of Lepidoptera described by Grote and Robinson, the second (1892) comprised a list of the types of the same order in the Edwards collection, the third (1904) listed the types of Cynipidæ, the fourth (1904) those of the Lepidoptera added to the collection since the publication of the previous two lists, and the fifth (1904) those of the Diptera.

The present paper is an enumeration of the hitherto unlisted types of all orders excepting the Formicidæ, the collection of which is in the hands of the honorary curator of social insects, Dr. Wm. M. Wheeler of Boston, and the additions in the Lepidoptera, a list of which will be prepared at a later date.

A number of types were added in the Diptera by the purchase of the Williston South American collection. The acquisition of the Krausse collection of European *Bombus* and a duplicate collection of Coccidæ from Mr. Geo. B. King also added a number. Others, from time to time, were donated or came through the Museum's policy of loaning material to monographers and specialists, the types of new species always being returned to the Museum. And finally, the work of Mr. Beutenmüller on the Cecidomyidæ and Cynipidæ increased the total by not a few more.

In the following list the genus in which the species were originally described is first given, and when this has later been referred to another genus the fact is indicated by the new genus being inclosed in parentheses after the older one.

The expressions type, cotype and paratype as here used have not always the same meaning owing to the lack of uniformity among systematists in the use of these terms. Thus the word "type" is here sometimes equivalent to "cotype" and vice versa, and "cotype" to "paratype." No rule is followed in this list and whatever the author called and labelled his specimens, so they have been listed here. In one instance it was necessary

for us to label the types ourselves, but this was done according to directions received from the author of the species.

Finally it should be mentioned that there are in the Museum's collections a number of "types" of Cynipidæ and Diptera which are apparently manuscript types and whose descriptions will undoubtedly never be published. These have not been included in the present list. Where, however, manuscript names are to be published in the near future they have been listed.

Order PLECOPTERA.

Family PERLIDÆ.

Perla carolinensis Banks, Bull. Am. Mus. Nat. Hist., XXI, 215, 1905. Seven types.

Leuctra grandis Banks, Can. Ent., XXXVIII, 338, 1906. Eight types.

Order MECOPTERA.

Family PANORPIDÆ.

Panorpa carolinensis Banks, Bull. Am. Mus. Nat. Hist., XXI, 216, 1905. Three types.

Panorpodes carolinensis Banks, Bull. Am. Mus. Nat. Hist., XXI, 215, 1905. Three types.

Order TRICHOPTERA.

Family SERICOSTOMATIDÆ.

Atomyia modesta Banks, Bull. Am. Mus. Nat. Hist., XXI, 217, 1905. Ten types.

Goera fuscula Banks, Bull. Am. Mus. Nat. Hist., XXI, 216, 1905. Two types.

Family HYDROPSYCHIDÆ.

Plectronemia auriceps Banks, Bull. Am. Mus. Nat. Hist., XXI, 218, 1905. One type.

Polycentropus carolinensis Banks, Bull. Am. Mus. Nat. Hist., XXI, 217, 1905. One type.

Arctopsyche irrorata Banks, Bull. Am. Mus. Nat. Hist., XXI, 217, 1905. One type.

Order ODONATA.

Family AGRIONIDÆ.

Hetærina infecta Calvert, Biol. Centr.-Am., Neurop., 38, 1901. Two cotypes.

Hetærina rudis Calvert, Biol. Centr.-Am., Neurop., 40, 1901. One cotype.

Argia ulmeca Calvert, Biol. Centr.-Am., Neurop., 80, 1901. One cotype.

Order ORTHOPTERA.

Family BLATTIDÆ.

Aphlebia (Hololampra) inusitata *Rehn*, Bull. Am. Mus. Nat. Hist., XXII, 113, 1906. One type.

Epilampra (Heterolampra) structilis *Rehn*, Bull. Am. Mus. Nat. Hist., XXVI, 178, 1909. Two types.

Epilampra (Heterolampra) wheeleri *Rehn*, Bull. Am. Mus. Nat. Hist., XXVIII, 73, 1910. One type.

Eurycotis bahamensis *Rehn*, Bull. Am. Mus. Nat. Hist., XXII, 110, 1906. Two types.

Attaphila fungicola *Wheeler*. Am. Nat., XXXIV, 860, 1900. Eight types.

Family MANTIDÆ.

Hierodula athene *Rehn*, Bull. Am. Mus. Nat. Hist., XXVI, 180, 1909. One type.

Toxodera pluto *Rehn*, Bull. Am. Mus. Nat. Hist., XXVI, 182, 1909. One type.

Citharomantis falcata *Rehn*, Bull. Am. Mus. Nat. Hist., XXVI, 185, 1909. One type.

Family PHASMIDÆ.

Malacomorpha androsensis *Rehn*, Bull. Am. Mus. Nat. Hist., XXII, 114, 1906. One type.

Family ACHETIDÆ.

Nemobius affinis *Beut.*, Bull. Am. Mus. Nat. Hist., VI, 249, 1894. Two types.

Œcanthus quadripunctatus *Beut.*, Bull. Am. Mus. Nat. Hist., VI, 250, 1894.

Two types.

Œcanthus pini *Beut.*, Jour. N. Y. Ent. Soc., II, 56, 1894. Two types.

Crystallomorpha sumatrensis *Rehn*, Bull. Am. Mus. Nat. Hist., XXVI, 209, 1909. Two types.

Family PHASGONURIDÆ.

Pseudorhynchus calamus *Rehn*, Bull. Am. Mus. Nat. Hist., XXVI, 203, 1909. One type.

Agroecia aberrans *Rehn*, Bull. Am. Mus. Nat. Hist., XXVI, 204, 1909. One type.

Cyrtophyllus (Lea) floridensis *Beut.*, Bull. Am. Mus. Nat. Hist., XIX, 637, 1903. One type.

Gryllacris larvata *Rehn*, Bull. Am. Mus. Nat. Hist., XXVI, 207, 1909. Three types.

Belocephalus sabalis *Davis*, Jour. N. Y. Ent. Soc., XX, 123, 1912. Three paratypes.

Belocephalus hebardi *Davis*, Jour. N. Y. Ent. Soc., XX, 123, 1912. Five paratypes.

Belocephalus rehni Davis, Jour. N. Y. Ent. Soc., XX, 124, 1912. Three paratypes.

Timanthes superbus Rehn, Bull. Am. Mus. Nat. Hist., XXVI, 196, 1909. One type.

Timanthes quadratus Rehn, Bull. Am. Mus. Nat. Hist., XXVI, 198, 1909. One type.

Cymatomera orientalis Rehn, Bull. Am. Mus. Nat. Hist., XXVI, 200, 1909. One type.

Ephippithya biramosa Rehn, Bull. Am. Mus. Nat. Hist., XXIII, 455, 1907. One type.

Holochlora prasina Rehn, Bull. Am. Mus. Nat. Hist., XXVI, 193, 1909. One type.

Isoptera scalaris Rehn, Bull. Am. Mus. Nat. Hist., XXVI, 195, 1909. One type.

Scudderia fasciata Beut., Bull. Am. Mus. Nat. Hist., VI, 251, 1894. One type. Though this species was described from three males and three females in the collection of the Museum only a single specimen so labelled can at present be found. Four additional females of the same species and bearing similar data to that on the type specimen are in the collection but it is uncertain which if any of these are types.

Scudderia truncata Beut., Bull. Am. Mus. Nat. Hist., VI, 252, 1894. We are unable to discover the single male specimen from which this species was described. It is not in its place in the collection; nor does it appear to be in any of the miscellaneous small collections not as yet incorporated into the general collection.

Neduba carinata var. **convexa** Caudell, Proc. U. S. Nat. Mus., XXXII, 300, 1907. One type and one cotype.

Eremopedes brevicauda Caudell, Proc. U. S. Nat. Mus., XXXII, 336, 1907. One type.

Family LOCUSTIDÆ.

Orphulella graminea Bruner, Biol. Centr.-Am., Orthop., II, 78, 1904. Two cotypes.

Orphulella olivacea Morse, Psyche, VI, 477, 1893. Six types.

Scyllina pratensis Bruner, Biol. Centr.-Am., Orthop., II, 100, 1904. Two cotypes.

Scyllina brasiliensis Bruner, Biol. Centr.-Am., Orthop., II, 100, 1904. Two cotypes.

Cryptobothrus chrysophorus Rehn, Bull. Am. Mus. Nat. Hist., XXIII, 444, 1907. One type.

Chortoicetes affinis Rehn, Bull. Am. Mus. Nat. Hist., XXIII, 445, 1907. One type.

Chortoicetes pusillulus Rehn, Bull. Am. Mus. Nat. Hist., XXIII, 447, 1907. One type.

Arphia saussureana Bruner, Proc. U. S. Nat. Mus., XII, 63, 1890. Two cotypes.

Spharagemon æquale scudderi Morse, Proc. Bost. Soc. Nat. Hist., XXVI, 225, 1894. Four types.

Spharagemon saxatile Morse, Proc. Bost. Soc. Nat. Hist., XXVI, 229, 1894. Four types.

- Eoscyllina inexpectata** *Rehn*, Bull. Am. Mus. Nat. Hist., XXVI, 187, 1909. One type.
- Desmoptera sundiaca** *Rehn*, Bull. Am. Mus. Nat. Hist., XXVI, 188, 1909. One type.
- Atractomorpha australis** *Rehn*, Bull. Am. Mus. Nat. Hist., XXIII, 449, 1907. One type.
- Tropinotus (Diedronotus) gracilis** *Bruner*, Ent. News, XVI, 216, 1905. Two cotypes.
- Quilta pulchra** *Rehn*, Bull. Am. Mus. Nat. Hist., XXVI, 190, 1909. One type.
- Chrysopsacris (Inusia) inornatipes** *Bruner*, Biol. Centr.-Am., Orthop., II, 260, 1898. One cotype.
- Anniceris meridionalis** *Bruner*, Biol. Centr.-Am., Orthop., II, 271, 1908. Two cotypes.
- Omalotettix (Abracris) signatipes** *Bruner*, Proc. U. S. Nat. Mus., XXX, 673, 1906. One cotype.
- Omalotettix (Abracris) meridionalis** *Bruner*, Biol. Centr.-Am., Orthop., II, 281, 1908. Two cotypes.
- Leptomerinthophora smaragdipes** *Bruner*, Biol. Centr.-Am., Orthop., II, 287, 1908. Two cotypes.
- Sitalces ovatipennis** *Bruner*, Biol. Centr.-Am., Orthop., II, 292, 1908. Two cotypes.
- Azelota diversipes** *Rehn*, Bull. Am. Mus. Nat. Hist., XXIII, 450, 1907. Two types.
- Exarna rugosa** *Rehn*, Bull. Am. Mus. Nat. Hist., XXIII, 452, 1907. One type.
- Macrotona gracilis** *Rehn*, Bull. Am. Mus. Nat. Hist., XXIII, 453, 1907. One type.
- Paratylotropidia beutenmuelleri** *Morse*, Psyche, XIV, 14, 1907. One type.
- Melanoplus herbaceus** *Bruner*, Bull. U. S. Dept. Agri., Ent., XXVIII, 25, 1893. Two cotypes.
- Melanoplus fluviatilis** *Bruner*, Ann. Rept. Ent., Nebraska State Bd. Agric., 136, 1896. One cotype.

Order HEMIPTERA.

Family CICADIDÆ.

- Cicada sayi** *Gross.*, Ent. News, XVIII, 124. Five cotypes.
- Cicada linnei** *Gross.*, Ent. News, XVIII, 127. Three cotypes.

Family COCCIDÆ.

- Amorphococcus mesuæ** *Green*, Ent. Month. Mag., XXXVIII, 261, 1902. One cotype of gall on twig.
- Kermes kingii** *Ckll.*, Ann. Mag. Nat. Hist., (7) II, 330, 1898. One type on slide.
- Cryptokermes brasiliensis** *Hempel*, Rev. Mus. Paul., IV, 398, 1900. One cotype and another specimen marked "part of type."
- Phenacoccus acericola** *King*, Can. Ent., XXXIV, 211, 1902. One cotype on slide.

Phenacoccus cockerelli King, Can. Ent., XXXV, 195, 1903. Several cotypes, loose and on twigs.

Phenacoccus dearnessi King, Can. Ent., XXXIII, 180, 1901. One type on slide.

Pseudococcus claviger King and Tinsley, Psyche, VIII, 150, 1897. Several cotypes once obviously in alcohol but now dried.

Pseudococcus cockerelli King and Tinsley, Psyche, VIII, 297, 1898. Several cotypes in alcohol and one on slide.

Dactylopius (Pseudococcus) kingii Ckll., Science Gossip, n. s., III, 240, 1899. One cotype on slide.

Ripersia flaveola Ckll., Can. Ent., XXVIII, 224, 1896. Several cotypes in alcohol and one on slide.

Ripersia kingii Ckll., Can. Ent., XXVIII, 222, 1896. One cotype on slide.

Ripersia lasii Ckll., Can. Ent., XXVIII, 223, 1896. Several cotypes obviously once in alcohol but now dried, and one on slide.

Tackardia glomerella Ckll., Ent. News, XVI, 52, 1905. Several specimens on twig marked "part of type."

Pulvinaria cockerelli King, Psyche, VIII, 417, 1899. Several cotypes on leaves.

Pulvinaria erhorni King, Can. Ent., XXXIII, 145, 1901. Several cotypes, loose and on twigs.

Pulvinaria tiliae King and Ckll., Psyche, VIII, 286, 1898. Several cotypes.

Pulvinaria tinsleyi King, Can. Ent., XXXII, 360, 1900. Several dry specimens marked "part of original lot."

Pulvinaria vinifera King, Mittl. Schweiz. Ent. Ges., X, 481, 1903. Two cotypes on slide. The specific name on the type label is erroneously spelled *vinealis*.

Pulvinaria simplex King, Mittl. Schweiz. Ent. Ges., X, 475, 1902. Several cotypes. The type label bears the generic name *Eulecanium*.

Ceroplastes candela Ckll. and King, Entomologist, XXXV, 113, 1902. Two cotypes.

Ceroplastes schrottkyi Ckll., Ent. News, XVI, 162, 1905. Two specimens marked "part of types."

Eulecanium fraxini King, Can. Ent., XXXIV, 158, 1902. Several cotypes, loose and on twig.

Eulecanium guignardi King, Can. Ent., XXXIII, 334, 1901. Several cotypes.

Eulecanium rosæ King, Can. Ent., XXXIII, 336, 1901. Several cotypes.

Lecanium (Eulecanium) hoferi King, Mittl. Schweiz., Ent. Ges., X, 478, 1903. Several cotypes.

Lecanium (Eulecanium) pulchrum King, Allg. Zeits. f. Ent. VIII, 410, 1903. Several cotypes. The name on the type label is written *Eulecanium pulchristæ*.

Lecanium (Eulecanium) kingii Ckll., Ann. Mag. Nat. Hist., (7) II, 322, 1898. Several cotypes on twigs.

Lecanium (Eulecanium) pallidior Ckll. and King, Psyche, VIII, 350, 1899. Two cotypes on twigs.

Lecanium (Eulecanium) rehi King, Jahrb. Hamb. Wiss. Anst., XVIII, 5, 1900. Several cotypes, loose, and one on slide.

Lecanium (Eulecanium) websteri King, Can. Ent., XXXIII, 106, 1901. Several cotypes on twig and one on slide.

Saissetia nigrella King, Psyche, IX, 296, 1902. Several cotypes.

Chionaspis furfurus var. **fulvus** *King*, *Psyche*, VIII, 334, 1899. Several cotypes on twigs.

Chionaspis gleditsiæ *Sanders*, *Ohio Naturalist*, III, 413, 1903. Several cotypes on twigs.

Chionaspis sylvatica *Sanders*, *Ohio Naturalist*, IV, 95, 1904. Several cotypes on twig.

Aspidiotus coniferarum var. **shastæ** *Coleman*, *Jour. N. Y. Ent. Soc.*, XI, 67, 1903. Several cotypes on twigs.

Aspidiotus osborni *Newell and Ckll.*, *Rept. Iowa Acad. Sci.*, V, 229, 1898. Several cotypes on twig.

Aspidiotus piceus *Sanders*, *Ohio Naturalist*, IV, 96, 1904. Several cotypes on twig.

Aspidiotus (Chrysomphalus) paulistus *Hempel*, *Rev. Mus. Paul.*, IV, 504, 1900. Several cotypes on leaf, and leaf with several other specimens marked "part of type."

Aspidiotus (Chrysomphalus) kelloggii *Kuana*, *Proc. Cal. Acad. Sci.*, (3) III, 71, 1902. Several cotypes on twig.

Cyrtophyllaspis liquidambaris *Kotinsky*, *Proc. Ent. Soc. Wash.*, V, 149, 1897. Several cotypes on leaf.

Stictococcus sjostedti *Ckll.*, *Can. Ent.*, XXXV, 64, 1903. Two specimens on slide marked "one of type lot."

Family NOTONECTIDÆ.

Notonecta raleighi *Bueno*, *Can. Ent.*, XXXIX, 225, 1907. Two types.

Family HENICOCEPHALIDÆ.

Henicocephalus ærius *Bergroth*, MS. One type.

Family REDUVIIDÆ.

Piestolestes lineatus *Bergroth*, MS. One type.

Hermillus edo *Bergroth*, MS. One type.

Stenolæmus edwardsii *Bergroth*, MS. Two types.

Family NAUCORIDÆ.

Pelocoris carolinensis *Bueno*, *Can. Ent.*, XXXIX, 227, 1907. Two types.

Family MIRIDÆ.

Lygus neovalesicus *Bergroth*, MS. Two types.

Family LYGÆIDÆ.

Emblethis vicarius *Horvath*, *Ann. Mus. Nat. Hist. Hung.*, VI, 563, 1908. One cotype.

Family COREIDÆ.

Hyocephalus aprugnus *Bergroth*, MS. One type (brachypterous form).

Family PENTATOMIDÆ.

Chlorochroa (Pentatoma) persimilis *Horvath*, Ann. Mus. Nat. Hist. Hung., VI, 555, 1908. One cotype.

Platycoris scutellatus *Van Duzee*, Bull. Am. Mus. Nat. Hist., XXI, 190, 1905. One type.

Platycoris rufescens *Van Duzee*, Bull. Am. Mus. Nat. Hist., XXI, 191, 1905. One type.

Pæcilometis stigmatus *Van Duzee*, Bull. Am. Mus. Nat. Hist., XXI, 198, 1905. One type.

Pæcilometis edwardsi *Van Duzee*, Bull. Am. Mus. Nat. Hist., XXI, 198, 1905. Two types.

Menestheus brevis *Van Duzee*, Bull. Am. Mus. Nat. Hist., XXI, 200, 1905. One type.

Dictyotus pallidus *Van Duzee*, Bull. Am. Mus. Nat. Hist., XXI, 203, 1905. Two types.

Antestia oliva *Van Duzee*, Bull. Am. Mus. Nat. Hist., XXI, 206, 1905. One type.

Opines geminata *Van Duzee*, Bull. Am. Mus. Nat. Hist., XXI, 206, 1905. One type.

Cuspicona carneola *Van Duzee*, Bull. Am. Mus. Nat. Hist., XXI, 207, 1905. One type.

Cuspicona beutenmulleri *Van Duzee*, Bull. Am. Mus. Nat. Hist., XXI, 208, 1905. One type.

Andriscus cinctus *Van Duzee*, Bull. Am. Mus. Nat. Hist., XXI, 213, 1905. One type.

Andriscus terminalis *Van Duzee*, Bull. Am. Mus. Nat. Hist., XXI, 213, 1905. One type.

Stictocarenus subrufescens *Van Duzee*, Bull. Am. Mus. Nat. Hist., XXI, 214, 1905. One type.

Order COLEOPTERA.

Family CICINDELIDÆ.

Omus edwardsii *Crotch*, Trans. Am. Ent. Soc., V, 73, 1874. Two types.

Omus sequoiarum *Crotch*, Trans. Am. Ent. Soc., V, 73, 1874. One cotype.

Family CARABIDÆ.

Cychrus viduus var. **irregularis** *Beut.*, Bull. Am. Mus. Nat. Hist., XIX, 513, 1903. Three types.

Cychrus æneicollis *Beut.*, Bull. Am. Mus. Nat. Hist., XIX, 515, 1903. Fourteen types.

Nomaretus debilis var. **alpinus** *Beut.*, Bull. Am. Mus. Nat. Hist., XIX, 512, 1903. Three types.

Trechus carolinæ *Schæffer*, Bull. Am. Mus. Nat. Hist., XIV, 212, 1901. One type.

Platynus trifoveolatus *Beut.*, Bull. Am. Mus. Nat. Hist., XIX, 516, 1903. One type.

Platynus gracilentus *Beut.*, Bull. Am. Mus. Nat. Hist., XIX, 517, 1903. Sixteen types.

Family PARNIDÆ.

Elmis columbiensis *Angell*, Ent. News, III, 84, 1892. One type, two cotypes.

Family ELATERIDÆ.

Corymbites weidtii *Angell*, Ent. News, III, 84, 1892. One type, four cotypes.

Family BUPRESTIDÆ.

Chrysobothris edwardsii *Horn*, Trans. Am. Ent. Soc., XIII, 74, 1886. One type.

Chrysobothris nixa *Horn*, Trans. Am. Ent. Soc., XIII, 98, 1886. One type.

Chrysobothris cyanella *Horn*, Trans. Am. Ent. Soc., XIII, 102, 1886. One type, two cotypes.

Family SCARABÆIDÆ.

Trox gemmulatus *Horn*, Trans. Am. Ent. Soc., V, 8, 1874. Three cotypes.

Plusiotus beyeri *Skinner*, Ent. News, XVI, 289, 1905. One cotype.

Family CERAMBYCIDÆ.

Molorchus longicollis *Leconte*, Smith. Miscell. Coll., XI, paper 264, p. 193, 1874. One type.

Anthophilax hoffmanii *Beut.*, Bull. Am. Mus. Nat. Hist., XIX, 518, 1903. Three types.

Megacriodes (Batocera) guttata *Voll.*, Tidj. v. Ent., XIV, 110, 1871. One cotype.

Family BRUCHIDÆ.

Bruchus fabæ *Riley*, Third Ann. Rept. Ins. Mo., 52, 1871. Two types. These specimens bear the following label written apparently in Riley's hand, "Bruchus fabæ Riley, original." They are without locality label or other data save an Osten-Sacken collection label. The species was described from many specimens and we infer that these came from the original lot and are therefore types.

Family MELOIDÆ.

Epicauta alastor *Skinner*, Ent. News, XV, 217, 1904. Three cotypes.

Cantharis pilsbryi *Skinner*, Ent. News, XVII, 217, 1906. One cotype.

Colospasta wenzeli *Skinner*, Ent. News, XV, 217, 1904. Four cotypes.

Tegrodera aloga *Skinner*, Ent. News, XIV, 168, 1903. One cotype.

Order HYMENOPTERA.

Family CYNIPIDÆ.

- Dryophanta polita** Bass., Can. Ent., XIII, 99, 1881. One type of adult.
- Dryophanta pedunculata** Bass., Trans. Am. Ent. Soc., XVII, 72, 1890. Two types of adult.
- Cynips (Holcaspis) quercus-mamma** Walsh and Riley, Am. Ent., I, 102, 1869. One type of gall, pinned.
- Cynips (Andricus) pattoni** Bass., Can. Ent., XIII, 98, 1881. Four types of gall, pinned.
- Cynips (Andricus) quercus-medullæ** Ashm., Trans. Ent. Soc. Am. XII, Proc. p. VIII, 1885. Several cotypes of gall, pinned.
- Cynips (Andricus) quercus-formosa** Bass., Proc. Ent. Soc. Phila., III, 679, 1864. Three types of gall, pinned.
- Cynips (Dryophanta) papula** Bass., Can. Ent., XIII, 107, 1881. One type of gall, pinned.
- Holcaspis rubens** Gill., Ent. News, IV, 29, 1893. One type of adult.
- Holcaspis monticola** Gill., Ent. News, IV, 30, 1893. One type of adult.
- Holcaspis brevipennata** Gill., Ent. News, IV, 31, 1893. One type of adult.
- Acraspis undulata** Gill., Ent. News, IV, 28, 1893. One type of adult.
- Andricus pruinosus** Bass., Trans. Am. Ent. Soc., XXVI, 311, 1900. Four types of adult, and many of gall on twigs and bits of leaves, pinned.
- Andricus kingi** Bass., Trans. Am. Ent. Soc., XXVI, 316, 1900. Six types of gall, pinned.
- Andricus perditor** Bass., Trans. Am. Ent. Soc., XXVI, 313, 1900. Three types of gall, pinned.
- Andricus texanus** Beut., Ent. News, XX, 248, 1909. Four types of adult and nine of gall, pinned.
- Andricus aciculatus** Beut., Ent. News, XX, 247, 1909. Five types of adult and one of gall, pinned.
- Andricus howertoni** Bass., Trans. Am. Ent. Soc., XVII, 82, 1890. One type of gall, pinned.
- Andricus coronus** Beut., Bull. Am. Mus. Nat. Hist., XXIII, 464, 1907. Four types of adult.
- Andricus wheeleri** Beut., Bull. Am. Mus. Nat. Hist., XXIII, 464, 1907. Three types of adult and two of gall, pinned.
- Andricus davisii** Beut., Bull. Am. Mus. Nat. Hist., XXIII, 463, 1907. Twelve types of adult and many of gall, pinned.
- Callirhyctis pustulatoides** Bass., Trans. Am. Ent. Soc., XVII, 74, 1890. Two types of gall. The specific name on the type label is spelled *pustuloides*, but the specimens agree well with Basset's description of the species.
- Amphibolips melanocera** Ashm., Trans. Am. Ent. Soc., XII, 299, 1885. One adult bearing note "cut from type gall."
- Antistrophus rufus** Gill., Bull. Ill. State Lab. Nat. Hist., III, 195, 1890. Six adults bearing note "cut from type galls."
- Antistrophus leavenworthi** Bass., Trans. Am. Ent. Soc., XXVI, 310, 1900. Seven types of adult.

Diastrophus niger Bass., Trans. Am. Ent. Soc., XXVI, 324, 1900. One type of adult and two of gall.

Diastrophus minimus Bass., Trans. Am. Ent. Soc. XXVI, 325, 1900. One type of adult and one of gall.

Synergus atripes Gill., Trans. Am. Ent. Soc., XXIII, 96, 1896. Two types of adult.

Synergus incisus Gill., Trans. Am. Ent. Soc., XXIII, 92, 1896. Two types of adult.

Synergus punctata Gill., Trans. Am. Ent. Soc., XXIII, 94, 1896. Two types of adult.

Synergus erinacei Gill., Trans. Am. Ent. Soc., XXIII, 94, 1896. Two types of adult.

Aulax chrysothamni Beut., Jour. N. Y. Ent. Soc., XVI, 45, 1908. Two types of adult and four of gall, pinned.

Rhodites nodulosus Beut., Ent. News, XX, 247, 1909. Five types of adult and nine of gall, pinned.

Rhodites gracilis Ashm., Proc. U. S. Nat. Mus., XIX, 135, 1897. One type of gall, pinned.

Rhodites nebulosus Bass., Trans. Am. Ent. Soc., XVII, 63, 1890. One type of gall, pinned.

Rhodites arefactus Gill., Can. Ent., XXVI, 157, 1894. One type of adult and one of gall.

Rhodites globuloides Beut., Bull. Am. Mus. Nat. Hist., XXIII, 638, 1897. Two types of adult and many of gall on twigs, unpinned.

There are a number of other galls in the collection labelled as types with museum type labels but there is no name attached to show what they are types of. There are also "types" of a few other species the descriptions of which seem never to have been published. These manuscript types are not recorded in the present enumeration.

Family EVANIIDÆ.

Evania urbana Bradley, Trans. Am. Ent. Soc., XXXIV, 141, 1908. Two paratypes.

Acanthinevania szepligeti Bradley, Trans. Am. Ent. Soc., XXXIV, 176, 1908. One type. This species was described under the above generic term but the type label bears the name *Megalyra*. The unique type, also, on which the name is based is, in the description, said to be in the collection of Cornell University. There is no doubt, however, but that the type in the Museum is the original one.

Family CHALCIDIDÆ.

Ænasius cæruleus Brues, Bull. Am. Mus. Nat. Hist., XXVIII, 84, 1910. One type.

Anusioptera aureocincta Brues, Bull. Am. Mus. Nat. Hist., XXVIII, 83, 1910. One type.

Pheidoloxenes wheeleri Ashmead, Bull. Am. Mus. Nat. Hist., XXIII, 17, 1907. Eleven cotypes. The genus *Pheidoloxenes* is diagnosed by Ashmead in Vol. I, page 28, of the Memoirs of the Carnegie Museum, and *wheeleri* is cited as type, but the

specific name is only given standing in Wheeler's paper on 'The Polymorphism of Ants' (Bull. Am. Mus. Nat. Hist., XXIII, 17) where in addition to an adequate description a figure (pl. iii, f. 36) of the species is given. The species is credited by Wheeler to Ashmead.¹

Family PROCTOTRUPIDÆ.

Idris quadrispinosus Brues, Bull. Am. Mus. Nat. Hist., XXVIII, 80, 1910. One type.

Opisthacanthus striativentrus Brues, Bull. Am. Mus. Nat. Hist., XXVIII, 81, 1910. Two types.

Dryinus nigrellus Brues, Can. Ent., XXXVI, 117, 1904. One type.

Oxylabis bifoveolatus Brues, Can. Ent. XXXVI, 119, 1904. One type.

Family PLATYGASTERIDÆ.

Metanopedius sicarius Brues, Bull. Am. Mus. Nat. Hist., XXVIII, 79, 1910.

Dolichotrypes hopkinsi Crawford and Bradley, Proc. Ent. Soc. Wash., XIII, 124, 1911. Two paratypes.

Family SPHEGIDÆ.

Mimesa myersiana Rohwer, Ent. News, XX, 324, 1909. Two cotypes.

Eucerceris angulata Rohwer, Bull. Am. Mus. Nat. Hist., XXXI, 326, 1912. One type.

Steniolia sulphurea Fox, Jour. N. Y. Ent. Soc., IX, 84, 1901. Two types.

Bembex beutenmulleri Fox, Jour. N. Y. Ent. Soc., IX, 83, 1901. Four types.

Family APIDÆ.

Halictus synthyridis Ckll., Bull. Am. Mus. Nat. Hist., XXII, 427, 1906. Two types.

Halictus scrophulariæ Ckll., Bull. Am. Mus. Nat. Hist., XXII, 428, 1906. One cotype.

Parasphecodes tilachiformis Ckll., Bull. Am. Mus. Nat. Hist., XXIII, 234, 1907. One type.

Andrena cyanophila Ckll., Bull. Am. Mus. Nat. Hist., XXII, 431, 1906. One cotype.

Andrena vicina argentinæ Ckll., Bull. Am. Mus. Nat. Hist., XXII, 432, 1906. One cotype.

Andrena micranthophila Ckll., Bull. Am. Mus. Nat. Hist., XXII, 432, 1906. One cotype.

Andrena runcinata Ckll., Bull. Am. Mus. Nat. Hist., XXII, 434, 1906. One cotype.

Andrena lewisii Ckll., Bull. Am. Mus. Nat. Hist., XXII, 435, 1906. One cotype.

Andrena synthyridis Ckll., Bull. Am. Mus. Nat. Hist., XXII, 436, 1906. One cotype.

¹I am indebted to Dr. Wheeler for calling my attention to the reference in his paper.

- Andrena lappulæ* Ckll., Bull. Am. Mus. Nat. Hist., XXII, 437, 1906. One cotype.
- Andrena winkleyi* Viereck, Ent. News, XVIII, 283, 1907. Two paratypes.
- Andrena braccata* Viereck, Ent. News, XVIII, 284, 1907. Two paratypes.
- Andrena weedi* Viereck, Ent. News, XVIII, 284, 1907. One paratype.
- Andrena mustelicolor huardi* Viereck, MS. One paratype.
- Andrena cheyenneorum* Viereck, MS. One type.
- Andrena idahorum* Viereck, MS. One type.
- Andrena beutenmulleri* Viereck, MS. One type.
- Andrena edwardsii* Viereck, MS. Three types.
- Andrena huntingtoni* Viereck, MS. One paratype.
- Andrena alleghenyensis* Viereck, MS. One paratype.
- Nomia amboinensis* Ckll., Bull. Am. Mus. Nat. Hist., XXIII, 234, 1907. One type.
- Perdita florissantella* Ckll., Bull. Am. Mus. Nat. Hist., XXII, 440, 1906. One cotype.
- Perdita tortifoliæ* Ckll., Bull. Am. Mus. Nat. Hist., XXII, 440, 1906. One cotype.
- Perdita wilmattæ* Ckll., Bull. Am. Mus. Nat. Hist., XXII, 441, 1906. Two cotypes.
- Nomada rohweri* Ckll., Bull. Am. Mus. Nat. Hist., XXII, 438, 1906. One cotype.
- Crocisa macleayi* Ckll., Bull. Am. Mus. Nat. Hist., XXIII, 232, 1907. One type.
- Melissodes hymenoxidis* Ckll., Bull. Am. Mus. Nat. Hist., XXII, 443, 1906. One cotype.
- Anthophora wallacei* Ckll., Bull. Am. Mus. Nat. Hist., XXIII, 226, 1907. One type.
- Colletes polemonii* Ckll., Bull. Am. Mus. Nat. Hist., XXII, 425, 1906. One cotype.
- Titusella pronitens* Ckll., Bull. Am. Mus. Nat. Hist., XXII, 446, 1906. One cotype.
- Megachile gilii* Ckll., Bull. Am. Mus. Nat. Hist., XXII, 452, 1906. One cotype.
- Megachile wootoni rohweri* Ckll., Bull. Am. Mus. Nat. Hist., XXII, 453, 1906. One cotype.
- Megachile macleayi* Ckll., Bull. Am. Mus. Nat. Hist., XXIII, 222, 1907. One type.
- Megachile beutenmulleri* Ckll., Bull. Am. Mus. Nat. Hist., XXIII, 222, 1907. One type.
- Megachile henrici* Ckll., Bull. Am. Mus. Nat. Hist., XXIII, 223, 1907. One type.
- Megachile maculariformis* Ckll., Bull. Am. Mus. Nat. Hist., XXIII, 223, 1907. One type.
- Megachile devadatta* Ckll., Bull. Am. Mus. Nat. Hist., XXIII, 224, 1907. One type.
- Megachile doleschalli* Ckll., Bull. Am. Mus. Nat. Hist., XXIII, 224, 1907. One type.
- Megachile dampieri* Ckll., Bull. Am. Mus. Nat. Hist., XXIII, 225, 1907. One type.

Megachile funnelli *Ckll.*, Bull. Am. Mus. Nat. Hist., XXIII, 226, 1907. One type.

Osmia cyaneonitens *Ckll.*, Bull. Am. Mus. Nat. Hist., XXII, 448, 1906. One cotype.

Osmia chlorops *Ckll. and Titus*, Bull. Am. Mus. Nat. Hist., 448, 1906. One cotype.

Osmia wheeleri *Ckll.*, Bull. Am. Mus. Nat. Hist., XXII, 449, 1906. One cotype.

Osmia florissanticola *Ckll.*, Bull. Am. Mus. Nat. Hist., XXII, 450, 1906. One cotype.

Osmia albolateralis *Ckll.*, Bull. Am. Mus. Nat. Hist., XXII, 450, 1906. One cotype.

Osmia pentstemonis *Ckll.*, Bull. Am. Mus. Nat. Hist., XXII, 451, 1906. One cotype.

Osmia giliarum *Ckll.*, Bull. Am. Mus. Nat. Hist., XXII, 451, 1906. One cotype.

Euryglossa edwardsii *Ckll.*, Bull. Am. Mus. Nat. Hist., 230, 1907. One type.

Euryglossa fasciatella *Ckll.*, Bull. Am. Mus. Nat. Hist., XXIII, 230, 1907. One type.

Goniocolletes morsus *Ckll.*, Bull. Am. Mus. Nat. Hist., XXIII, 231, 1907. One type.

Xylocopa chionothorax *Ckll.*, Bull. Am. Mus. Nat. Hist., XXIII, 228, 1907. One type.

Xylocopa mohnikei *Ckll.*, Bull. Am. Mus. Nat. Hist., XXIII, 228, 1907. One type.

Bombus soroensis quattricolor *Krausse*, Intern. Ent. Zeitschr., II, 133, 1908. One type.

Bombus pratorum aureus *Krausse*, Intern. Ent. Zeitschr., II, 133, 1908. One type.

Bombus terrestris dettoi *Krausse*, Intern. Ent. Zeitschr., II, 132, 1908. One type.

Bombus terrestris limbaræ *Krausse*, Ent. Wochenbl., XXV, 78, 1908. One type.

Bombus terrestris galluræ *Krausse*, Ent. Wochenbl., XXV, 78, 1908. One type.

Bombus terrestris duplex *Krausse*, Soc. Ent., Zürich, XXIII, 186, 1909. One type.

Bombus terrestris ruber *Krausse*, Soc. Ent., Zürich, XXIII, 185, 1909. One type.

Bombus terrestris simplex *Krausse*, Soc. Ent., Zürich, XXIII, 186, 1909. One type.

Bombus terrestris tener *Krausse*, Soc. Ent., Zürich, XXIII, 186, 1909. One type.

Bombus lapponicus pulchrrior *Krausse*, Ent. Wochenbl., XXV, 76, 1908. One type.

Bombus hortorum arborensis *Krausse*, Intern. Ent. Zeitschr., II, 139, 1908. One type.

Bombus hortorum wolffi *Krausse*, Ent. Wochenbl., XXV, 94, 1908. One type.

Bombus hortorum ichnusæ Krausse, Ent. Wochenbl., XXV, 174, 1908. One type.

Bombus hortorum hæckeli Krausse, Ent. Wochenbl., XXV, 174, 1908. One type.

Bombus hortorum fertoni Krausse, Soc. Ent., Zurich, XXIV, 86, 1909. One type.

Bombus hortorum eleonoræ Krausse, Intern. Ent. Zeitschr., III, 15, 1909. One type.

Order DIPTERA.

Family TIPULIDÆ.

Atarba puella Will., Trans. Ent. Soc. Lond., 288, 1896. Three types, two in very poor condition.

Teucholabis annulata Will., Trans. Ent. Soc. Lond., 290, 1896. Two types.

Mongoma manca Will., Trans. Ent. Soc. Lond., 293, 1896. One type.

Eriocera austera Doane, Jour. N. Y. Ent. Soc., VIII, 192, 1900. One type.

Eriocera fasciata Will., Biol. Centr.-Am., Dipt. I, 226, 1900. One cotype.

Tipula sulphurea Doane, Jour. N. Y. Ent. Soc., IX, 99, 1901. One type.

Tipula carinata Doane, Jour. N. Y. Ent. Soc., IX, 103, 1901. Two types.

Tipula retusa Doane, Jour. N. Y. Ent. Soc., IX, 109, 1901. One type.

Tipula acuta Doane, Jour. N. Y. Ent. Soc., IX, 116, 1901. One type.

Family PSYCHODIDÆ.

Pericoma albitarsis Will., Trans. Ent. Soc. Lond., 284, 1896. Two types.

Family CHIRONOMIDÆ.

Ceratopogon flavus Will., Trans. Ent. Soc. Lond., 280, 1896. Three types.

Chironomus anonymous Will., Trans. Ent. Soc. Lond., 274, 1896. One type.

Chironomus longimanus Will., Trans. Ent. Soc. Lond., 274, 1896. One type.

Family CULICIDÆ.

Culex sylvicola Gross., Can. Ent., XXXVIII, 27, 1906. Three cotypes.

Culex pretans Gross., Ent. News, XV, 332, 1904. One cotype.

Aedes pertinans Will., Trans. Ent. Soc. Lond., 271, 1896. Two types.

Hæmagogus splendens Will., Trans. Ent. Soc. Lond., 272, 1896. Two types.

Family MYCETOPHILIDÆ.

Platyura genualis Johan., Bull. 172, Maine Agri. Exper. Sta., 262, 1910. Three cotypes.

Macrocera concinna Will., Trans. Ent. Soc. Lond., 255, 1896. Two types.

Sciophila glabana var. **germana** Johan., Bull. 180, Maine Agri. Exper. Sta., 137, 1910. Two cotypes.

Sciophila nugax Johan., Bull. 180, Maine Agri. Exper. Sta., 137, 1910. One cotype.

Sciophila impar Johan., Bull. 180, Maine Agri. Exper. Sta., 140, 1910. Three cotypes.

Polylepta obediens Johan., Bull. 180, Maine Agri. Exper. Sta., 147, 1910. One cotype.

Neompheria indulgens Johan., Bull. 180, Maine Agri. Exper. Sta., 162, 1910. One cotype.

Mycomyia littoralis var. **frequens** Johan., Bull. 180, Maine Agri. Exper. Sta., 171, 1910. Three cotypes.

Mycomyia imitans Johan., Bull. 180, Maine Agri. Exper. Sta., 177, 1910. Five cotypes.

Mycomyia sigma Johan., Bull. 180, Maine Agri. Exper. Sta., 180, 1910. One type.

Mycomyia nugatoria Johan., Bull. 180, Maine Agri. Exper. Sta., 183, 1910. One cotype.

Mycomyia recurva Johan., Bull. 180, Maine Agri. Exper. Sta., 185, 1910. One cotype.

Mycomyia recurva var. **chloratica** Johan., Bull. 180, Maine Agri. Exper. Sta., 185, 1910. One type.

Gnoriste macra Johan., Bull. 196, Maine Agri. Exper. Sta., 257, 1911. One cotype.

Boletina melancholica Johan., Bull. 196, Maine Agri. Exper. Sta., 271, 1911. One cotype.

Boletina gracilis Johan., Bull. 196, Maine Agri. Exper. Sta., 271, 1911. Four cotypes.

Boletina notescens Johan., Bull. 196, Maine Agri. Exper. Sta., 272, 1911. One cotype.

Boletina delicata Johan., Bull. 196, Maine Agri. Exper. Sta., 276, 1911. One type.

Boletina nacta Johan., Bull. 196, Maine Agri. Exper. Sta., 277, 1911. Three cotypes.

Leia plebeja Johan., Bull. 196, Maine Agri. Exper. Sta., 285, 1911. One cotype.

Leia dryas Johan., Bull. 196, Maine Agri. Exper. Sta., 287, 1911. One type.

Neoglaphyoptera (Leia) nitens Will., Trans. Ent. Soc. Lond., 259, 1896. One type.

Coelosia gracilis Johan., Bull. 196, Maine Agri. Exper. Sta., 294, 1911. One cotype.

Coelosia lepida Johan., Bull. 196, Maine Agri. Exper. Sta., 294, 1911. One type.

Coelosia modesta Johan., Bull. 196, Maine Agri. Exper. Sta., 294, 1911. One cotype.

Rhymosia imitator Johan., Bull. 196, Maine Agri. Exper. Sta., 312, 1911. One cotype.

Rhymosia akeleyi Johan., Bull. 196, Maine Agri. Exper. Sta., 312, 1911. One type.

Allodia falcata Johan., Bull. 196, Maine Agri. Exper. Sta., 317, 1911. Five cotypes.

Allodia delita Johan., Bull. 196, Maine Agri. Exper. Sta., 320, 1911. One cotype.

Erechia perspicua Johan., Bull. 200, Maine Agri. Exper. Sta., 67, 1912. One cotype.

Exechia quadrata Johan., Bull. 200, Maine Agri. Exper. Sta., 69, 1912. Four cotypes.

Exechia nugatoria Johan., Bull. 200, Maine Agri. Exper. Sta., 70, 1912. One cotype.

Exechia palmata Johan., Bull. 200, Maine Agri. Exper. Sta., 71, 1912. Two cotypes.

Exechia auxiliaria Johan., Bull. 200, Maine Agri. Exper. Sta., 71, 1912. Two cotypes.

Exechia bella Johan., Bull. 200, Maine Agri. Exper. Sta., 72, 1912. Two cotypes.

Exechia capillata Johan., Bull. 200, Maine Agri. Exper. Sta., 73, 1912. Three cotypes.

Exechia obediens Johan., Bull. 200, Maine Agri. Exper. Sta., 73, 1912. One cotype.

Exechia attrita Johan., Bull. 200, Maine Agri. Exper. Sta., 73, 1912. Three cotypes.

Exechia casta Johan., Bull. 200, Maine Agri. Exper. Sta., 74, 1912. Nine cotypes.

Mycothera mitis Johan., Bull. 200, Maine Agri. Exper. Sta., 82, 1912. One type.

Mycothera fenestrata var. *prænubila* Johan., Bull. 200, Maine Agri. Exper. Sta., 83, 1912. Two cotypes.

Mycetophila perita Johan., Bull. 200, Maine Agri. Exper. Sta., 90, 1912. One cotype.

Mycetophila anomala Johan., Bull. 200, Maine Agri. Exper. Sta., 96, 1912. Three cotypes.

Mycetophila fœcunda Johan., Bull. 200, Maine Agri. Exper. Sta., 99, 1912. One cotype.

Mycetophila imitator Johan., Bull. 200, Maine Agri. Exper. Sta., 99, 1912. One cotype.

Mycetophila lenta Johan., Bull. 200, Maine Agri. Exper. Sta., 102, 1912. One cotype.

Mycetophila endura Johan., Bull. 200, Maine Agri. Exper. Sta., 103, 1912. One cotype.

Mycetophila dolosa Will., Trans. Ent. Soc. Lond., 264, 1896. Two types.

Sciara concinna Will., Trans. Ent. Soc. Lond., 266, 1896. Four types.

Sciara germana Will., Trans. Ent. Soc. Lond., 266, 1896. Two types.

Sciara debilis Will., Trans. Ent. Soc. Lond., 266, 1896. One type.

Sciara zygoneura Will., Trans. Ent. Soc. Lond., 267, 1896. Two types.

Family CECIDOMYIDÆ.

Lasioptera tumifica Beut., Bull. Am. Mus. Nat. Hist., XXIII, 394, 1907. Thirty-one types of adult and four of gall, pinned.

Lasioptera cornicola Beut., Bull. Am. Mus. Nat. Hist., XXIII, 394, 1907. Sixteen types of adult and four of gall, pinned. Thirteen twigs with galls, unpinned.

Lasioptera asterifoliæ Beut., Bull. Am. Mus. Nat. Hist., XXIII, 395, 1907. Ten types of adult. *Acerifoliæ* instead of *asterifoliæ* is written on the type label.

Lasioptera nodulosa Beut., Bull. Am. Mus. Nat. Hist., XXIII, 397, 1907. Nine types of adult and four of gall, pinned. Twenty twigs with galls, unpinned.

Lasioptera viburnicola Beut., Bull. Am. Mus. Nat. Hist., XXIII, 398, 1907. Twenty-two types of adult and three of gall.

Lasioptera linderæ Beut., Bull. Am. Mus. Nat. Hist., XXIII, 398, 1907. Four types of adult and ten of gall, pinned. Numerous twigs with galls, unpinned.

Asphondylia mentzeliae Ckll., Entomologist, XXXIII, 302, 1900. Two galls labelled "part of type lot."

Asphondylia betheli Ckll., Can. Ent., XXXIX, 324, 1907. Two adults and one gall labelled "from type lot."

Asphondylia autumnalis Beut., Bull. Am. Mus. Nat. Hist., XXIII, 386, 1907. Ten types of adult.

Asphondylia patens Beut., Bull. Am. Mus. Nat. Hist., XXIII, 386, 1907. Three types of adult.

Rhopalomyia betheliana Ckll., Can. Ent., XLI, 150, 1909. Four types of gall carded on one pin. Three adults are associated with these galls and may also be types but they are not so labelled.

Cecidomyia clavula Beut., Bull. Am. Mus. Nat. Hist., IV, 269, 1892. Four types of adult.

Cecidomyia ulmi Beut., Bull. Am. Mus. Nat. Hist., XXIII, 387, 1907. Fifteen types of adult.

Cecidomyia nyssæcola Beut., Bull. Am. Mus. Nat. Hist., XXIII, 387, 1907. Two types of adult.

Cecidomyia unguicula Beut., Bull. Am. Mus. Nat. Hist., XXIII, 388, 1907. Seven types of adult and two of gall, pinned.

Cecidomyia rudbeckiæ Beut., Bull. Am. Mus. Nat. Hist., XXIII, 388, 1907. Six types of adult, and eight of gall, pinned.

Cecidomyia chinquapin Beut., Bull. Am. Mus. Nat. Hist., XXIII, 389, 1907. One type gall.

Cecidomyia vernoniæ Beut., Bull. Am. Mus. Nat. Hist., XXIII, 389, 1907. Four type galls, pinned, and others unpinned are labelled with this name; six other galls of apparently the same species are labelled as types of "*Lasioptera*" *vernoniæ* and with these are associated three "types" of adults. The species was described from the larva and gall only, so whether these latter "types" prove to be the same species or not the adults at least cannot be types.

Cecidomyia meibomiæ Beut., Bull. Am. Mus. Nat. Hist., XXIII, 390, 1907. Ten galls pinned, and numerous others unpinned, are labelled types; in addition thirty-nine adults under the label "*Hormomyia*" *meibomiæ* are marked as types. The species was described from the larva and gall alone, and whether these adults were bred from the type galls or not they cannot stand as types in the ordinary sense of the word.

Cecidomyia pustuloides Beut., Bull. Am. Mus. Nat. Hist., XXIII, 390, 1907. Several type galls on fragments of leaves, pinned.

Cecidomyia ramuscula Beut., Bull. Am. Mus. Nat. Hist., XXIII, 392, 1907. Eleven types of gall, pinned.

Cecidomyia lysimachiæ Beut., Can. Ent., XXXIX, 305, 1907. Nineteen types of adult and seven of gall.

Cecidomyia verbena Beut., Can. Ent. XXXIX, 306, 1907. Six types of adult, one of gall, pinned, and six twigs with type galls.

Cecidomyia meibomiifoliæ Beut., Can. Ent., XXXIX, 306, 1907. Five types of adult and five of gall, pinned.

Cecidomyia myricæ *Beut.*, Can. Ent., XXXIX, 306, 1907. Thirty types of adult and thirteen of gall, pinned.

Cecidomyia semenivora *Beut.*, Bull. Am. Mus. Nat. Hist., XXIII, 390, 1907. Eighteen types of adult.

Diplosis (Cecidomyia) parthenicola *Chll.*, Entomologist, XXXIII, 201, 1900. Several galls on a card labelled "part of type lot."

In addition to the types of Cecidomyidæ listed above there are in the collection a few other specimens labelled "types," but of what they are types there is no indication.

Family BIBIONIDÆ.

Plecia quadrivittata *Will.*, Biol. Centr.-Am., Dipt. I, 222, 1900. Two cotypes.

Bibiodes æstiva *Melander*, MS. Two types.

Bibiodes femorata *Melander*, MS. One type.

Family STRATIOMYIDÆ.

Hermetia ceriogaster *Will.*, Trans. Am. Ent. Soc., XV, 246, 1888. One type.

Analcocerus hortulanus *Will.*, Biol. Centr.-Am., Dipt. I, 238, 1900. One cotype.

Ptecticus concinnus *Will.*, Biol. Centr.-Am., Dipt. I, 238, 1900. Three cotypes.

Merosargus spatulatus *Will.*, Biol. Centr.-Am., Dipt. I, 234, 1900. Eight cotypes.

Merosargus gracilis *Will.*, Trans. Am. Ent. Soc., XV, 249, 1888. One type.

Merosargus concinnatus *Will.*, Biol. Centr.-Am., Dipt. I, 235, 1900. One cotype.

Chrysonotus analis *Will.*, Trans. Am. Ent. Soc., XV, 251, 1888. One type.

Chordonota nigra *Will.*, Trans. Am. Ent. Soc., XV, 255, 1888. One type.

Cyphomyia lasiophthalma *Will.*, Biol. Centr. Am., Dipt. I, 244, 1900.

Myxosargus braueri *Will.*, Trans. Am. Ent. Soc., XV, 254, 1888. Three types from "Corumba, Brazil." Williston in his description of the species says the types came from Chapada. I have no doubt he intended to write Corumba as the specimens labelled type are obviously the ones from which he drew up the description.

Euryneura elegans *Will.*, Trans. Am. Ent. Soc., XV, 252, 1888. One type.

Nemotelus wheeleri *Melander*, Psyche, IV, 182, 1903. One cotype.

Nemotelus bellulus *Melander*, Psyche, IV, 183, 1903. One cotype.

Nemotelus trinotatus *Melander*, Psyche, IV, 180, 1903. Two cotypes.

Nemotelus bruesi *Melander*, Psyche, IV, 179, 1903. Two cotypes.

Dicranophora astuta *Will.*, Trans. Am. Ent. Soc., XV, 250, 1888. Two types.

Dicranophora affinis *Will.*, Trans. Am. Ent. Soc., XV, 251, 1888. One type.

Promerisana cylindricornis *Will.*, Trans. Am. Ent. Soc., XV, 253, 1888. One type.

Family TABANIDÆ.

Pangonia filipalpis *Will.*, Kans. Univ. Quart., III, 190, 1895. Two types.

Pangonia arcuata *Will.*, Kans. Univ. Quart., III, 190, 1895. Two types.

Pangonia bullata *Will.*, Kans. Univ. Quart., III, 191, 1895. One type.

Pangonia pavida *Will.*, Biol. Centr.-Am., Dipt. I, 253, 1901. Eight cotypes:

- Chrysops intrudens** Will., Kans. Univ. Quart., III, 191, 1895. Four types.
Chrysops bistellatus Daecke, Ent. News, XVI, 249, 1905. One type.
Chrysops shermani Hine, Ohio Nat., VIII, 229, 1907. Two types.
Dichelacera scutellata Will., Kans. Univ. Quart., III, 193, 1895. Four types.
Dichelacera pulchra Will., Biol. Centr.-Am., Dipt. I, 263, 1901. One cotype.
Tabanus hyalinipennis Hine, Can. Ent., XXXV, 244, 1903. One type.
Tabanus pumiloides Will., Biol. Centr.-Am., Dipt. I, 260, 1901. One cotype.
Tabanus hæmagogus Will., Biol. Centr.-Am., Dipt. I, 261, 1901. One cotype.
Tabanus plenus Hine, Ohio Nat., VIII, 225, 1907. Four types.
Tabanus minusculus Hine, Ohio Nat., VIII, 226, 1907. Two types.
Tabanus longuisculus Hine, Ohio Nat., VIII, 226, 1907. Three types.
Hadrus parvus Will., Kans. Univ. Quart., III, 192, 1895. Two types.

Family LEPTIDÆ.

- Dialysis aldrichii** Will., Kans. Univ. Quart., III, 265, 1895. Four types.
Chrysopila plebeia Will., Biol. Centr.-Am., Dipt., I, 264, 1901. Four cotypes.

Family CYRTIDÆ.

Pterodontia misella Osten Sacken, Bull. U. S. Geol. and Geogr. Surv. Terr. (Hayden), III, 277, 1877. Mr. Beütenmuller in his list of types of Diptera, referring to the number of types in the collection says, "Two specimens." The two specimens in the collection are labelled respectively "Oregon" and "Alameda Co., Cal."; the former is marked "cotype"; the latter has nothing on it to indicate its being a type. The species was described from a single specimen from Oregon, and so our cotype is really a type while the second example is nothing more than a specimen.

- Opsebius agelenæ** Melander, Ent. News, XIII, 180, 1903. Two types.

Family BOMBYLIIDÆ.

- Exoprosopa sackeni** Will., Biol. Centr.-Am., Dipt. I, 271, 1901. One cotype.
Exoprosopa brevirostris Will., Biol. Centr.-Am., Dipt. I, 272, 1901. One cotype.
Anthrax edwardsii Coq., Jour. N. Y. Ent. Soc., II, 102, 1894. Four types.
Anthrax diana Will., Biol. Centr.-Am., Dipt. I, 280, 1901. Two cotypes.
Anthrax orbitalis Will., Biol. Centr.-Am., Dipt. I, 281, 1901. Four cotypes.
Anthrax nigrofimbriata Will., Biol. Centr.-Am., Dipt. I, 282, 1901. One cotype.
Anthrax maria Will., Biol. Centr.-Am., Dipt. I, 283, 1901. Four cotypes.
Stonyx (Anthrax) lelia Will., Biol. Centr.-Am., Dipt. I, 274, 1901. One cotype.
Pantarbès capito Osten Sacken, Bull. U. S. Geol. and Geogr. Surv. Terr. (Hayden), III, 256, 1877. One cotype.
Bombylius clio Will., Biol. Centr.-Am., Dipt. I, 285, 1901. Two cotypes.
Bombylius io Will., Biol. Centr.-Am., Dipt. I, 285, 1901. Four cotypes.
Bombylius dolorosus Will., Biol. Centr.-Am., Dipt. I, 286, 1901. Three cotypes.
Oncodocera analis Will., Biol. Centr.-Am., Dipt. I, 283, 1901. Five cotypes.
Phthiria dolorosa Will., Biol. Centr.-Am., Dipt. I, 290, 1901. One cotype.

Phthiria sororia Will., Biol. Centr.-Am., Dipt. I, 291, 1901. Three cotypes.

Eclimus fascipennis Will., Biol. Centr.-Am., Dipt. I, 1901. One cotype.

Epibates muricatus Osten Sacken, Bull. U. S. Geol. and Geogr. Surv. Terr. (Hayden), III, 272, 1877. Two cotypes.

Family MYDAIDÆ.

Mydas cingulatus Will., Trans. Kans. Acad. Sci., XV, 57, 1895. Though our single specimen was labelled "type" by Williston himself it is probably not a type. The species was described from "Rio Paraguay below Concepsion"; our specimen bears the locality label "Chapada."

Mydas clarifumis Will., Trans. Kans. Acad. Sci., XV, 56, 1895. One Type.

Family ASILIDÆ.

Leptogaster triungulata Will., Biol. Centr.-Am., Dipt. I, 299, 1901. One cotype.

Leptogaster concinnata Will., Biol. Centr.-Am., Dipt. I, 300, 1901. One cotype.

Leptogaster crocea Will., Biol. Centr.-Am., Dipt. I, 300, 1901. Four cotypes.

Leptogaster intima Will., Biol. Centr.-Am., Dipt. I, 300, 1901. Five cotypes.

Leptogaster dorsalis Will., Biol. Centr.-Am., Dipt. I, 301, 1901. Two cotypes.

Leptogaster micropygialis Will., Biol. Centr.-Am., Dipt. I, 301, 1901. Five cotypes.

Damalis occidentalis Will., Biol. Centr.-Am., Dipt. I, 309, 1901. One cotype. The specific name *fuscipennis* is written on the type label.

Townsendia niger Back, Trans. Am. Ent. Soc., XXXV, 175, 1909. One type.

Townsendia pulcherrima Back, Trans. Am. Ent. Soc., XXXV, 177, 1909. One type.

Dioctria vera Back, Trans. Am. Ent. Soc., XXXV, 256, 1909. One type.

Stichopogon abdominalis Back, Trans. Am. Ent. Soc., XXXV, 332, 1909. Three cotypes.

Saropogon pulcherima Will., Biol. Centr.-Am., Dipt. I, 312, 1901. One cotype.

Taracticus similis Will., Biol. Centr.-Am., Dipt. I, 312, 1901. Eight cotypes.

Taracticus nigripes Will., Biol. Centr.-Am., Dipt. I, 313, 1901. Six cotypes.

Cophura pulchella Will., Biol. Centr.-Am., Dipt. I, 314, 1901. One cotype.

Atomosia anonyma Will., Biol. Centr.-Am., Dipt. I, 316, 1901. One cotype.

Erax concinnatus Will., Biol. Centr.-Am., Dipt. I, 323, 1901. Two cotypes.

Asilus tenebrosus Will., Biol. Centr.-Am., Dipt. I, 328, 1901. Two cotypes.

Asilus nigrocaudatus Will., Biol. Centr.-Am., Dipt. I, 329, 1901. Four cotypes.

Asilus xanthocerus Will., Biol. Centr.-Am., Dipt. I, 329, 1901. Four cotypes.

Asilus melanocerus Will., Biol. Centr.-Am., Dipt. I, 329, 1901. Two cotypes.

Asilus dolichomerus Will., Biol. Centr.-Am., Dipt. I, 329, 1901. Four cotypes.

Asilus alterus Will., Biol. Centr.-Am., Dipt. I, 330, 1901. Three cotypes.

Asilus anonymus Will., Biol. Centr.-Am., Dipt. I, 330, 1901. Four cotypes.

Asilus capillatus Will., Biol. Centr.-Am., Dipt. I, 330, 1901. Two cotypes.

Family DOLICHOPODIDÆ.

Psilopus (Psilopodinus) bellulus Aldrich, Trans. Ent. Soc. Lond., 343, 1896. Two cotypes.

Psilopus (Psilopodinus) insularis Aldrich, Trans. Ent. Soc. Lond., 344, 1896. Four cotypes.

Gnamptopsilopus (Agonosoma) flavidus Aldrich, Trans. Ent. Soc. Lond., 341, 1896. Two cotypes. The generic name *Psilopus* is written on the type label.

Gnamptopsilopus (Agonosoma) flavicornis Aldrich, Trans. Ent. Soc. Lond., 342, 1896. One cotype.

Diaphorus palpiger Wheeler, Psyche, V, 360, 1890. One type. In a former list of types of Diptera three types are said to be in the Museum. This is an error.

Diaphorus parvulus Aldrich, Trans. Ent. Soc. Lond., 321, 1896. One cotype.

Diaphorus contiguus Aldrich, Trans. Ent. Soc. Lond., 323, 1896. Four cotypes.

Diaphorus flavipes Aldrich, Trans. Ent. Soc. Lond., 323, 1896. Four cotypes.

Diaphorus dubius Aldrich, Trans. Ent. Soc. Lond., 324, 1896. Four cotypes.

Asyndetus syntormoides Wheeler, Proc. Cal. Acad. Sci., 3d ser., II, 32, 1899. Three types.

Porphyrops effilatus Wheeler, Proc. Cal. Acad. Sci., 3d ser., II, 34, 1899. Seven types.

Anepsius (Anepsiomyia) linearis Aldrich, Trans. Ent. Soc. Lond., 317, 1896. Four cotypes.

Hydrophorus philombrius Wheeler, Proc. Cal. Acad. Sci., 3d ser., II, 65, 1899. One type, not four as is mentioned in a previous publication.

Dolichopus amnicola Melander and Brues, Biol. Bull., I, 130, 1900. One type.

Dolichopus paluster Melander and Brues, Biol. Bull., I, 136, 1900. Ten types.

Dolichopus pantomimus Melander and Brues, Biol. Bull., I, 142, 1900. One type.

Dolichopus renidescens Melander and Brues, Biol. Bull., I, 143, 1900. Three types.

Dolichopus opheles Melander and Brues, Biol. Bull., I, 144, 1900. One type.

Dolichopus amphericus Melander and Brues, Biol. Bull., I, 146, 1900. Five types.

Dolichopus partitus Melander and Brues, Biol. Bull., I, 135, 1900. Two types.

Dolichopus henshawii Wheeler, Psyche, V, 340, 1900. Three types.

Hygroceleuthus (Dolichopus) crenatus Osten-Sacken, Bull. U. S. Geol. and Geogr. Surv. Terr. (Hayden), III, 312, 1877. One type.

Family EMPIDIDÆ.

Drapetis flavidus Will., Trans. Ent. Soc. Lond., 308, 1896. Five types.

Drapetis apicis Will., Trans. Ent. Soc., Lond., 442, 1896. Two types.

Phoneutisca simplicior Wheeler and Melander, Biol. Centr.-Am., Dipt. I, 375, 1901. One type.

Hemerodromia defessa Will., Trans. Ent. Soc. Lond., 439, 1896. One type.

Clinocera lecta Melander, Trans. Am. Ent. Soc., XXVIII, 243, 1902. Two types.

Leptopeza disparilis Melander, Trans. Am. Ent. Soc., XXVIII, 258, 1902. Three types.

Empis enodis Melander, Trans. Am. Ent. Soc., XXVIII, 303, 1902. Four types.

Parathalassius aldrichi Melander, Ent. News, XVII, 374, 1906. Three types.

Thinodromia inchoata Melander, Ent. News, XVII, 370, 1906. One type.

Family SYRPHIDÆ.

Microdon mirabilis Will., Trans. Am. Ent. Soc., XV, 257, 1888. Two types labelled respectively Chapada and Rio de Janiero, Brazil. Williston gives Chapada only as the locality from whence the types came. The specimens, however, which differ considerably from each other are both covered by the original description.

Microdon inermis Will., Trans. Am. Ent. Soc., XV, 258, 1888. One type.

Chilosiac hrysochlamys Will., Biol. Centr.-Am., Dipt. III, 8, 1891. Two cotypes.

Baccha stenogaster Will., Trans. Am. Ent. Soc., XV, 266, 1888. One type.

Baccha exigua Will., Trans. Am. Ent. Soc., XV, 267, 1888. Two types.

Baccha placiva Will., Trans. Am. Ent. Soc., XV, 269, 1888. Two types.

Baccha rubida Will., Biol. Centr.-Am., Dipt. III, 34, 1891. One cotype.

Baccha punctifrons Will., Biol. Centr.-Am., Dipt. III, 36, 1891. One cotype.

Baccha dolosa Will., Biol. Centr.-Am., Dipt. III, 37, 1891. One cotype.

Baccha lugubris Will., Biol. Centr.-Am., Dipt. III, 37, 1891. Four cotypes.

Melanostoma longicornis Will., Trans. Am. Ent. Soc., XV, 263, 1888. Four types.

Melanostoma scitulum Will., Trans. Am. Ent. Soc., XV, 264, 1888. One type.

Melanostoma catabombum Will., Biol. Centr.-Am., Dipt. III, 12, 1891. Four cotypes.

Didea coquilletti Will., Biol. Centr.-Am., Dipt. III, 19, 1891. One cotype.

Syrphus erraticus Will., Trans. Am. Ent. Soc., XV, 264, 1888. Six types.

Syrphus bisinuatatus Will., Biol. Centr.-Am., Dipt. III, 17, 1891. One cotype.

Syrphus decipiens Will., Biol. Centr.-Am., Dipt. III, 18, 1891. Four cotypes.

Volucella æmula Will., Trans. Am. Ent. Soc., XV, 272, 1888. Two types.

Volucella meretricias Will., Trans. Am. Ent. Soc., XV, 272, 1888. Six types.

Volucella prescutellaris Will., Trans. Am. Ent. Soc., XV, 273, 1888. Eight types.

Volucella persimilis Will., Trans. Am. Ent. Soc., XV, 273, 1888. Eleven types. The species was described from eleven specimens taken in three different localities. Only two of the localities are represented by our specimens, but Dr. Williston says nevertheless that all our specimens are types.

Volucella musta Will., Trans. Am. Ent. Soc., XV, 274, 1888. Eight types.

Volucella mus Will., Trans. Am. Ent. Soc., XV, 274, 1888. Eleven types, all except one from Chapada, the type locality for the species. The odd one from Piedra, Brazil, Dr. Williston says is also a type.

Volucella viridis Will., Trans. Am. Ent. Soc., XV, 275, 1888. Five types.

Volucella ornata Will., Biol. Centr.-Am., Dipt. III, 49, 1891. One cotype.

Eristalis ochraceus Will., Trans. Am. Ent. Soc., XV, 279, 1888. One type.

Eristalis volaticus Will., Trans. Am. Ent. Soc., XV, 280, 1888. Five types.

Eristalis precipuus Will., Trans. Am. Ent. Soc., XV, 280, 1888. Nine types.
Eristalis parvulus Will., Trans. Am. Ent. Soc., XV, 282, 1888. One type.
Eristalis montanus Will., Proc. Am. Phil. Soc., XX, 322, 1882. One type.
Pteroptila æmula Will., Trans. Am. Ent. Soc., XV, 283, 1888. Two types.
Mallota margarita Will., Biol. Centr.-Am., Dipt. III, 70, 1892. Three cotypes.
Mallota smithi Will., Biol. Centr.-Am., Dipt. III, 70, 1892. Four cotypes.
Xylota genuina Will., Trans. Am. Ent. Soc., XV, 284, 1888. One type.
Xylota rufipes Will., Biol. Centr.-Am., Dipt. III, 71, 1892. One cotype.
Ceriogaster foscithorax Will., Trans. Am. Ent. Soc., XV, 286, 1888. Two types.

Sphecomyia occidentalis Osburn, Can. Ent., XL, 12, 1908. One cotype.
Ceria wulpilii Will., Trans. Am. Ent. Soc., XV, 290, 1888. Five cotypes.
Ceria brauerii Will., Trans. Am. Ent. Soc., XV, 289, 1888. One cotype.
Ceria mikii Will., Trans. Am. Ent. Soc., XV, 288, 1888. Four cotypes.
Ceria bigotii Will., Trans. Am. Ent. Soc., XV, 291, 1888. Two cotypes.
Ceria lynchii Will., Trans. Am. Ent. Soc., XV, 287, 1888. One cotype.
Ceria roederii Will., Trans. Am. Ent. Soc., XV, 289, 1888. One cotype.
Habromyia cœruleithorax Will., Trans. Am. Ent. Soc., XV, 284, 1888. Two types, male and female. The female is from a locality not mentioned in the original description and this specimen also exceeds by several millimeters the greatest measurement given. Dr. Williston says in regard to these types, however: "I am confident that both specimens are types. The probable explanation is that I described originally the species from the male, and intercalated the female description without making all the additions in the note."

Apophysophora scutellata Will., Trans. Am. Ent. Soc., XV, 277, 1888. Eleven types.

Trichopsomyia puella Will., Trans. Am. Ent. Soc., XV, 260, 1888. Three types.

Trichopsomyia tuberculata Will., Trans. Am. Ent. Soc., XV, 260, 1888. One type.

Trichopsomyia polita Will., Trans. Am. Ent. Soc., XV, 260, 1888. Two types.

Trichopsomyia longicornis Will., Trans. Am. Ent. Soc., XV, 261, 1888. One type.

Lepidostola pulchra Will., Trans. Am. Ent. Soc., XV, 261, 1888. Four types.

Lepidostola abdominalis Will., Trans. Am. Ent. Soc., XV, 262, 1888. One type.

Lepidostola similis Will., Trans. Am. Ent. Soc., XV, 262, 1888. One type.

Family CONOPIDÆ.

Tropidomyia bimaculata Will., Can. Ent., XX, 11, 1888. Three cotypes.

Conops argentifacis Will., Kans. Univ. Quart., I, 43, 1892. One cotype.

Conops parvus Will., Kans. Univ. Quart., I, 46, 1892. Two cotypes.

Conops rufus Will., Kans. Univ. Quart., I, 44, 1892. Two cotypes.

Conops xanthopareus Will., Trans. Conn. Acad., IV, 332, 1885. One type.

Conops magnus Will., Kans. Univ. Quart., I, 43, 1892. Four cotypes.

Conops inornatus Will., Kans. Univ. Quart., I, 45, 1892. Two cotypes.

Conops grandis Will., Kans. Univ. Quart., I, 44, 1892. Three cotypes.

Conops fronto Will., Trans. Conn. Acad. Sci., VI, 378, 1885. One type.

Conops discalis Will., Biol. Centr.-Am., Dipt. III, 80, 1892. One cotype.

Conops anthreas Will., Biol. Centr.-Am., Dipt. III, 80, 1892. One cotype.

Conops angustifrons Will., Kans. Univ. Quart., I, 44, 1892. One cotype.

Physocephala sororcula Will., Biol. Centr.-Am., Dipt. III, 83, 1892. One cotype.

Physocephala xanthops Will., Biol. Centr.-Am., Dipt. III, 83, 1892. One cotype.

Family TACHINIDÆ.

Cistogaster insularis Will., Trans. Ent. Soc. Lond., 351, 1896. One cotype.

Atrophopoda (Paradidyma) townsendi Will., Trans. Ent. Soc. Lond., 356, 1896. Two cotypes.

Atrophopoda (Paradidyma) braueri Will., Trans. Ent. Soc. Lond., 357, 1896. Two cotypes.

Family DEXIDÆ.

Phynchodexia sororia Will., Trans. Ent. Soc. Lond., 360, 1896. Three types.

Family SARCOPHAGIDÆ.

Sarcophaga micropygialis Will., Trans. Ent. Soc. Lond., 363, 1896. Two cotypes.

Sarcophaga otiosa Will., Trans. Ent. Soc. Lond., 364, 1896. Two cotypes.

Sarcophaga chætopygialis Will., Trans. Ent. Soc. Lond., 366, 1896. Four cotypes.

Family MUSCIDÆ.

Chrysomyia desvoidyi Hough, Kans. Univ. Quart., IX, 208, 1900. One type.

Morellia nigricosta Hough, Kans. Univ. Quart., IX, 216, 1900. Two types.

Mucina brunnea Hough, Kans. Univ. Quart., IX, 220, 1900. One type.

Mucina varicolor Hough, Kans. Univ. Quart., IX, 226, 1900. Two types.

Mucina latipennis Hough, Kans. Univ. Quart., IX, 229, 1900. One type.

Family HETERONEURIDÆ.

Heteroneura flavipes Will., Trans. Ent. Soc. Lond., 387, 1896. One type.

Heteroneura lumbalis Will., Trans. Ent. Soc. Lond., 388, 1896. Two types.

Heteroneura valida Will., Trans. Ent. Soc. Lond., 388, 1896. Two types.

Family BORBORIDÆ.

Limosina dolorosa Will., Trans. Ent. Soc. Lond., 432, 1896. One type.

Family SAPROMYZIDÆ.

Sapromyza angustipennis Will., Trans. Ent. Soc. Lond., 381, 1896. Two cotypes.

Sapromyza puella Will., Trans. Ent. Soc. Lond., 381, 1896. Four cotypes.

Sapromyza octovittata Will., Trans. Ent. Soc. Lond., 382, 1896. Four cotypes.

- Sapromyza exul** Will., Trans. Ent. Soc. Lond., 382, 1896. Three cotypes.
Sapromyza sordida Will., Trans. Ent. Soc. Lond., 483, 1896. One type.
Sapromyza venusta Will., Trans. Ent. Soc. Lond., 384, 1896. Two cotypes.
Sapromyza sororia Will., Trans. Ent. Soc. Lond., 385, 1896. Four cotypes.
Sapromyza ingrata Will., Trans. Ent. Soc. Lond., 385, 1896. Four cotypes.
Sapromyza picrula Will., Kans. Univ. Quart., VI, 10, 1897. Six cotypes.

Family RHOPALOMERIDÆ.

- Rhopalomera ciliata** Will., Psyche, VII, 186, 1895. One type.
Rhopalomera xanthops Will., Psyche, VII, 213, 1895. One type.
Apophorhynchus flavidus Will., Psyche, VII, 186, 1895. Two types.

Family TRYPETIDÆ.

- Spilographa setosa** Doane, Jour. N. Y. Ent. Soc., VII, 178, 1899. One cotype.
Trypeta straminea Doane, Jour. N. Y. Ent. Soc., VII, 179, 1899. One cotype.
Rhagoletis ribicola Doane, Ent. News, IX, 69, 1898. Two cotypes.
Tephritis variabilis Doane, Jour. N. Y. Ent. Soc., VII, 188, 1899. One cotype.

Family MICROPEZIDÆ.

- Calobata mellea** Will., Trans. Ent. Soc. Lond., 373, 1896. Two types.

Family SEPSIDÆ.

- Sepsis insularis** Will., Trans. Ent. Soc. Lond., 431, 1896. One type.

Family EPHYDRIDÆ.

- Notiphila bellula** Will., Trans. Ent. Soc. Lond., 390, 1896. Two types.
Notiphila pulchifrons Will., Kans. Univ. Quart., VI, 5, 1897. Two types.
Notiphila stricta Will., Kans. Univ. Quart., VI, 5, 1897. One type.
Paralimna multipunctata Will., Trans. Ent. Soc. Lond., 390, 1896. Two types.
Paralimna obscura Will., Trans. Ent. Soc. Lond., 391, 1896. Five types.
Gastrops niger Will., Kans. Univ. Quart., VI, 3, 1896. Thirteen types. The generic name *Ventrops* is written on the type label.
Hecamede (Allotrichoma) abdominalis Will., Trans. Ent. Soc. Lond., 398, 1896. Three types.
Discomyza dubia Will., Trans. Ent. Soc. Lond., 392, 1896. Two types.
Discomyza nana Will., Trans. Ent. Soc. Lond., 396, 1896. Two types.
Ilythea flavipes Will., Trans. Ent. Soc. Lond., 403, 1896. One type, in poor condition.
Discocerina obscura Will., Trans. Ent. Soc. Lond., 397, 1896. Two types.
Ochthera humilis Will., Kans. Univ. Quart., VI, 6, 1897. One type.
Ochtheroidea atra Will., Trans. Ent. Soc. Lond., 401, 1896. Three types.
Pelomyia occidentalis Will., Proc. Wash. Acad. Sci., II, 461, 1893. One type.
Ephydra pygmæa Will., Trans. Ent. Soc. Lond., 402, 1896. Two types.

Family OSCINIDÆ.

Hippelates proboscideus Will., Trans. Ent. Soc. Lond., 418, 1896. Three types.

Elachiptera flavida Will., Trans. Ent. Soc. Lond., 417, 1896. Three types.

Oscinis incipiens Will., Trans. Ent. Soc. Lond., 424, 1896. Four types.

Oscinis fur Will., Trans. Ent. Soc. Lond., 425, 1896. Two types.

Family DROSOPHILIDÆ.

Drosophila ornatipennis Will., Trans. Ent. Soc. Lond., 407, 1896. Two types.

Drosophila vitatiffrons Will., Trans. Ent. Soc. Lond., 408, 1896. One type.

Drosophila coffeata Will., Trans. Ent. Soc. Lond., 409, 1896. Two types.

Drosophila annulata Will., Trans. Ent. Soc. Lond., 409, 1896. One type.

Drosophila fasciola Will., Trans. Ent. Soc. Lond., 410, 1896. One type.

Drosophila bellula Will., Trans. Ent. Soc. Lond., 410, 1896. One type.

Drosophila opaca Will., Trans. Ent. Soc. Lond., 411, 1896. One type.

Drosophila pallida Will., Trans. Ent. Soc. Lond., 415, 1896. Two types.

Drosophila similis Will., Trans. Ent. Soc. Lond., 415, 1896. Two types.

Family AGROMYZIDÆ.

Agromyza lateralis Will., Trans. Ent. Soc. Lond., 428, 1896. One type.

Agromyza sorosis Will., Trans. Ent. Soc. Lond., 429, 1896. Three types.

