

THE TYPE-SPECIES OF THE NORTH AMERICAN  
GENERA OF DIPTERA

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## THE TYPE-SPECIES OF THE NORTH AMERICAN GENERA OF DIPTERA.

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The great importance of knowing definitely what species is the type of any given genus is now recognized by practically every worker in the field of biology. For several years past the writer has been engaged in ascertaining the types of the genera of Diptera reported as occurring in North and Middle America, and the present paper gives the results of these labors. The rules adopted by the International Zoological Congress, as amended at the 1907 (Boston) meeting and the later decisions, published in *Science* for October 29, 1909, have been followed in all cases.

The following rules or articles more especially concern us in the present work:

Article 2. "The scientific designation of animals is uninominal for subgenera and all higher groups." A genus or subgenus, to which no species was originally referred by name, dates from its earliest published description or figure.

Article 3 specifies that the scientific names of animals must be in Latin or, at least, must be latinized. This excludes certain works where only French or other vernacular names are employed, such as Duméril's *Exposition d'une Méthode Naturelle*, published in 1801; his *Considérations Générales*, 1823; Schinz's *Das Thierreich*, 1823, and Latreille's *Familles Naturelles du Règne Animal*, 1825.

Article 19. "The original orthography of a name is to be preserved unless an error of transcription, a *lapsus calami*, or a typographical error is evident." The so-called emended names are to be regarded only as misspelled names, and as such have no permanent place in the nomenclature.

Article 25. The well known law of priority. This article holds, among other things, that a new generic name unaccompanied by either a description or a figure is valid if the name of one or more described species is mentioned as pertaining to it.

Article 26. Zoological nomenclature began with the year 1758.

Article 27. "The law of priority obtains, and consequently the oldest available name is to be retained." It further asserts that a name, whether generic, subgeneric, or specific, founded on any part of an animal, or of any of its early stages, is valid.

Article 30. The type of any polytypical genus is that one of the original species first designated as such type. An exception occurs in those cases where the genus originally contained only two species, neither of which had been designated the type by the founder of the genus, nor by any subsequent writer, and an author later takes one of these species as the type of a second genus, he thereby definitely makes the remaining species the type of the old genus.

Article 34. "A generic name is to be rejected as a homonym when it has previously been used for some other genus of animals." Unless the two names are identical, letter for letter, they are not homonyms.

The following list contains all of the genera of Diptera known to the writer as having been reported from North and Middle America up to January 1, 1909, together with their type-species and synonymy. A few genera, such as those to which no species has ever been assigned, and some others, founded on foreign species, are omitted in this list; but as nearly all in this class are synonyms of older generic names their omission in no way affects the status of the valid names adopted in the present list.

In the cases of those neglected, polytypical genera whose types have not heretofore been designated, and which contain among their original species one belonging to an older genus, such a species has been selected as the type, thus, as far as possible, sinking this class of names into the synonymy. In this way, fewer changes have resulted among the current names than would have been the case had the opposite course been pursued. In selecting the types of polytypical genera now in current use, it has been my constant aim to select such a species as would result in the maintenance of the present status of the genus. The recommendations appended to Article 30 of the International Code, as amended at the 1907 (Boston) meeting of the International Zoological Congress, have been essentially followed.

The synonymy of the European species and, in most cases, the limits of the genera, are those given in the monumental Katalog der Paläarktischen Dipteren, by Kertész, Bezzi, Stein, and Becker, a most admirable work, in four octavo volumes. Some idea of the magnitude of the labors of its authors in unraveling and recording the greatly involved synonymy may be gleaned from a few facts relating to a single species, *Tachina vulgaris* Fallen. This species has been redescribed and renamed no less than *two-hundred and fifty-seven times!* On this one species alone Robineau-Desvoidy established the

almost incredible number of two-hundred and forty-five new species (so-called), which he distributed into five (imaginary) new general. And this is only one sample from among the many cases.<sup>a</sup>

In one instance I have differed with the authors of the Katalog in the generic assignment of one species, *Tipula culiciformis* De Geer, which these authors place in the genus *Corethra*, but which there is every reason for believing belongs to the preceding genus, *Mochlonyx*. The breeding of this and related species by Meinert, his reference of the present species to *Mochlonyx*, and the confirmation of such reference by von Röder are set forth in my article in the Canadian Entomologist for July, 1903. I recently wrote to Dr. J. C. H. de Meijere, the leading dipterologist of Holland, for an expression of his opinion on the subject, and under date of September 28, 1908, he wrote me, entirely corroborating this reference, saying, "As to *Corethra culiciformis* De Geer, it is my opinion that Meinert has demonstrated with certainty that this gnat is a *Mochlonyx*." The reference of this species in the Katalog is therefore clearly erroneous.

In most cases subgeneric names have been thrown into the synonymy.

In the accompanying list, the writer has personally examined the original references with the exception of a small number, the data of which were obtained at second hand, such genera being indicated by an asterisk (\*). The references in regard to the genera founded by Clark in his Essay on Bots (1815) were kindly communicated to me by Mr. E. E. Austen, of the British Museum, while those from Berthold's *Natürliche Familien des Thierreichs* (1827) were furnished to me by Mr. E. T. Cresson, jr., of the Academy of Natural Sciences of Philadelphia, and to both of these gentlemen my thanks are due.

Names of genera which are considered valid by the best authorities are printed in black-face type, but several of those so indicated are to be considered as such only from want of authoritative knowledge on the subject. Synonyms and homonyms are printed in *italics*.<sup>b</sup>

Although the preparation of this paper has extended over many years, and every opportunity has been taken to ascertain the earliest founding of each genus and the first designation of a type-species for the polytypical genera, still it is possible, or even probable, that some earlier records have been overlooked, and the writer will be under obligations to anybody informing him of such previous records.

<sup>a</sup>The Katalog appears to be very complete, except that it omits most of the genera of the Anthomyiidae and Acalyptere founded by Lioy in the *Atti Instituto Veneto*, ser. 3, vol. 9, 1863 and 1864. The greater number of the genera founded by Meigen in his *Nouvelle Classification des Mouches à deux ailes (Diptera L.)*, 1800, are also omitted; there is a reprint of this paper, with comments and synonymy, by Mr. Friedrich Hendel in the *Verh. k. k. Zool.-Bot. Ges. Wien*, vol. 58, pages 43 to 69, 1908, which I have made use of in the present paper.

<sup>b</sup>The generic names are arranged alphabetically, for easy reference. An index to the species is appended to this paper.

- Ablabesmyia* JOHANNSEN, Bull. 86, N. Y. State Mus., p. 125, 1905. 24 species. Type, *Tipula monilis* LINNÆUS, the sixth species, by present designation.
- Ablautus* LOEW, Berliner Ent. Zeitschr., vol. 10, p. 37, 1866. 1 species. Type, *Ablautus trifarius* LOEW.
- Acanthina* WIEDEMANN, Auss. Zweifl. Ins., vol. 2, p. 50, 1830. 3 species. Type, *Clitellaria elongata* WIEDEMANN, the third species, by designation of BRAUER, Denkschr. Kais. Akad. Wiss. Wien, vol. 44, 1882, p. 86. Not *Acanthina* FISCHER, 1806. Equals *Artemita* WALKER, 1854.
- Acanthinomyia* HUNTER, Trans. Amer. Ent. Soc., vol. 27, p. 129, 1900. Change of name for *Acanthina* WIEDEMANN, 1830, not of FISCHER, 1806. Type, *Clitellaria elongata* WIEDEMANN. Equals *Artemita* WALKER, 1854.
- Acanthocnema* BECKER, Berliner Ent. Zeitschr., vol. 39, p. 136, 1894. 3 species. Type, *Cordilura nigrimana* ZETTERSTEDT, by original designation.
- Acanthomera* WIEDEMANN, Dipt. Exot., p. 60, 1821. 1 species. Type, *Acanthomera picta* WIEDEMANN. Equals *Pantophthalmus* THUNBERG, 1819.
- Acaulona* WULP, Biol. Centr.-Amer., Dipt., vol. 2, p. 4, April, 1888. 1 species. Type, *Acaulona costata* WULP. Syn., *Euacaulona* TOWNSEND, 1908; *Euomogenia* TOWNSEND, 1908.
- Acemya* DESVOIDY, Essai Myod., p. 202, 1830. 1 species (as 3). Type, *Tachina acuticornis* MEIGEN. Syn., *Ageulocera* MACQUART, 1855.
- Achatomus* COQUILLET, Can. Ent., vol. 39, p. 75, March, 1907. 1 species. Type, *Achatomus pilosus* COQUILLET.
- Achatoneura* BRAUER and BERGENSTAMM, Denkschr. Kais. Akad. Wiss. Wien, vol. 58, p. 333, 1891. 5 species. Type *Masicera frenchii* WILLISTON, the first species (as *hesperus*, new species), by present designation. Equals *Frontina* MEIGEN, 1838.
- Achalus* LOEW, Neue Beitr., vol. 5, p. 30, 1857. 2 species. Type, *Porphyrops flavicollis* MEIGEN, the first species, by present designation.
- Acicephala* COQUILLET, Journ. N. Y. Ent. Soc., vol. 6, p. 163, 1898. 2 species. Type, *Acicephala polita* COQUILLET, the first species, by original designation.
- Acidia* DESVOIDY, Essai Myod., p. 720, 1830. 2 species. Type, *Tephritis cognata* WIEDEMANN, the second species, by designation of RONDANI, Bull. Soc. Ent. Ital., vol. 2, 1870, p. 10. Syn., *Euleia* WALKER, 1836; *Epidesmia* RONDANI, 1856; *Myoleja* RONDANI, 1856; *Prionimera* RONDANI, 1861; *Philophylla* RONDANI, 1870.
- Acidigona* LOEW, Monogr. Dipt. N. Amer., vol. 3, p. 285, 1873. 1 species. Type, *Trypeta melanura* LOEW.
- Aciura* DESVOIDY, Essai Myod., p. 773, 1830. 2 species. Type, *Aciura femoralis* DESVOIDY, the first species, by designation of RONDANI, Dipt. Ital. Prodr., vol. 1, 1856, p. 113.
- Acnemia* WINNERTZ, Verh. Zool.-Bot. Ges. Wien, vol. 13, p. 798, 1863. 3 species. Type, *Leia nitidicollis* MEIGEN, the first species, by designation of JOHANNSEN in Wytsman's Gen. Ins., Dipt., Mycet., 1909, p. 63.
- Acontistoptera* BRUES, Amer. Nat., vol. 36, p. 373, May, 1902. 1 species. Type, *Acontistoptera melanderi* BRUES.
- Acrotrichus* MACQUART, Dipt. Exot., Suppl. 4, p. 121, 1850. 2 species. Type, *Acrotrichus gibbicornis* MACQUART, the first species, by present designation.
- Acrocera* MEIGEN, Illiger's Mag., vol. 2, p. 266, 1803. 1 species. Type, *Syrphus globulus* PANZER. Syn., *Paracrocera* MIEG, 1886.
- Acrochæta* WIEDEMANN, Auss. Zweifl. Ins., vol. 2, p. 42, 1830. 1 species. Type, *Acrochæta fasciata* WIEDEMANN.
- Acrocholidia* KOLENATI, Wien. Ent. Monatschr., vol. 1, p. 62, 1857. 2 species. Type, *Acrocholidia bechsteini* KOLENATI, the first species, by present designation. Equals *Nycteribia* LATREILLE, 1796.
- Acrochordonodes* BIGOT, Bull. Soc. Ent. France for 1878, p. 97, 1878. 1 species. Type, *Acrochordonodes vittatus* BIGOT. Equals *Senogaster* MACQUART, 1834.

- Acroglossa* WILLISTON, in Scudder's Butt. N. Engl., vol. 3, p. 1916, 1889. 1 species. Type, *Acroglossa hesperidarum* WILLISTON. Equals *Spallanzania* DESVOIDY, 1830.
- Acrometopia* SCHINER, Wien. Ent. Monatschr., vol. 6, p. 434, 1862. Change of name for *Oxyrhina* MEIGEN as erroneously identified by ZETTERSTEDT. 2 species. Type, *Oxyrhina wahlbergi* ZETTERSTEDT, the first species, by original designation of ZETTERSTEDT.
- Acrometopia* LIOY, Atti Inst. Veneto, ser. 3, vol. 9, p. 1088, 1864. 1 species. Type, *Sepsis cornuta* MEIGEN. Equals *Sepsis* FALLEN, 1810.
- Acromyia* LATREILLE, Gen. Crust. et Ins., vol. 4, p. 305, 1809. 1 species. Type, *Asilus muscarius* FABRICIUS (as *Acromyia asiliformis*). In the article entitled "Hybos," in the Nouv. Dict. Hist. Nat., 2d ed., 1818, Latreille wrote that he had received from Bonelli a specimen of this genus under the generic name of *Acromyia*). Syn., *Syneches* WALKER, 1852; *Pterospilus* RONDANI, 1856.
- Acronacantha* WULP, Biol. Centr.-Amer., Dipt., vol. 2, p. 243, 1891. 1 species. Type, *Acronacantha nubilipennis* WULP.
- Acronarista* TOWNSEND, Smiths. Misc. Coll., vol. 51, p. 85, 1908. 1 species. Type, *Acronarista mirabilis* TOWNSEND.
- Acrosticta* LOEW, Berliner Ent. Zeitschr., vol. 11, p. 293, 1868. 2 species. Type, *Acrosticta scrobiculata* LOEW, the first species, by present designation.
- Acrotænia* LOEW, Monogr. Dipt. N. Amer., vol. 3, p. 274, 1873. 2 species. Type, *Trypeta testudinea* LOEW, the first species, by present designation.
- Acrotaxa* LOEW, Monogr. Dipt. N. Amer., vol. 3, p. 227, 1873. 11 species. Type, *Dacus fraterculus* WIEDEMANN, the second species, by designation of BEZZI, Boll. Lab. Zool. Portici, vol. 3, p. 280, 1909. Equals *Anastrepha* SCHINER, 1868.
- Actia* DESVOIDY, Essai Myod., p. 85, 1830. 1 species (as two new ones). Type, *Actia cingulata* DESVOIDY. Syn., *Osmæa* DESVOIDY, 1830; *Thryptocera* MACQUART, 1834; *Elfia* DESVOIDY, 1850; *Herbstia* DESVOIDY, 1851; *Peribæa* DESVOIDY, 1863; *Gymnophthalma* LIOY, 1864; *Gymnoparæia* BRAUER and BERGENSTAMM, 1889.
- Actina* MEIGEN, Klass. Beschr. Zweifl. Ins., p. 116, 1804. 3 species. Type, *Actina chatybea* MEIGEN (as *Beris nitens* MEIGEN), the first species, by designation of RONDANI, Arch. Zool., vol. 3, 1864, p. 87.
- Actinoptera* RONDANI, Bull. Soc. Ent. Ital., vol. 3, p. 164, 1871. 3 species. Type, *Trypeta astiva* MEIGEN, the second species, by present designation. Equals *Trupanea* SCHRANK, 1795.
- Actora* MEIGEN, Syst. Beschr. Zweifl. Ins., vol. 5, p. 403, 1826. 1 species. Type, *Actora astum* MEIGEN. Equals *Helcomyza* CURTIS, 1825.
- Adelina* COSTA, Il Giamb. Vico, vol. 2, p. 447, 1857.\* 1 species. Type, *Adelina italica* COSTA. Equals *Asindulum* LATREILLE, 1805.
- Adenia* DESVOIDY, Hist. Nat. Dipt., vol. 1, p. 1041, 1863. 1 species (as 10). Type, *Tachina simulans* MEIGEN. Equals *Exorista* MEIGEN, 1803.
- Adia* DESVOIDY, Essai Myod., p. 558, 1830. 1 species. Type, *Adia oralis* DESVOIDY. Equals *Pegomya* DESVOIDY, 1830.
- Adiplosis* FELT, 23d Rep. State Ent. N. Y., p. 405, 1908. 1 species. Type, *Cecidomyia toxicodendri* FELT.
- Admontia* BRAUER and BERGENSTAMM, Denkschr. Kais. Akad. Wiss. Wien, vol. 56, p. 104, 1889. 1 species. Type, *Degeeria amica* MEIGEN (as *podomyia*, new species). Equals *Hyperrecteina* SCHINER, 1861.
- Adoxomyia* KERTESZ, Ann. Mus. Nat. Hungarica, vol. 5, p. 499, 1907. New name for *Clitellaria* SCHINER, not of Meigen. 2 species. Type, *Clitellaria dahlii* MEIGEN, the first species, by designation of BEZZI, Wien. Ent. Zeit., vol. 17, p. 75, 1908.
- Æcothea* HALIDAY, Ann. Nat. Hist., vol. 2, p. 187, November, 1838. 1 species. Type, *Helcomyza fenestralis* FALLEN.
- Ædeomyia* THEOBALD, Journ. Trop. Med., vol. 4, p. 235, July 15, 1901. No species. In Monogr. Culic., vol. 2, p. 219, Nov. 23, 1901, 1 species. Type, *Aedes squamipennis* ARRIBALZAGA.

- ✓ *Aedes* WIEDEMANN, in Meigen's Syst. Besch. Zweifl. Ins., vol. 1, p. 13, 1818. 1 species. Type, *Aedes cinereus* WIEDEMANN.
- ✓ *Ænigmatias* MEINERT, Ent. Medd., vol. 2, p. 213, 1890. 1 species. Type, *Ænigmatias blattoides* MEINERT.
- Agatachys* MEIGEN, Syst. Besch. Zweifl. Ins., vol. 6, p. 343, 1830. 1 species. Type, *Tachydromia celeripes* MEIGEN. Syn., *Stilpon* LOEW, 1859.
- Agathomyia* VERRALL, Brit. Flies, vol. 8, p. 30, 1901. 2 species. Type, *Callomyza antennata* ZETTERSTEDT, the first species, by present designation.
- Agathon* RÖDER, Wien. Ent. Zeit., vol. 9, p. 230, 1890. 1 species. Type, *Agathon elegantula* RÖDER. Equals *Bibiocephala* OSTEN SACKEN, 1874.
- Agulocera* MACQUART, Ann. Soc. Ent. France for 1855, p. 24, 1855. 1 species. Type, *Tachina acuticornis* MEIGEN (as *nigra*, new species). Equals *Acemya* DESVOIDY, 1830.
- Agelanius* RONDANI, Arch. Zool., vol. 3, p. 79, 1864. 2 species. Type, *Agelanius meridianus* RONDANI, the first species, by present designation. Equals *Tabanus* LINNÆUS, 1758.
- Agnotomyia* WILLISTON, Ent. Amer., vol. 2, p. 106, 1886. 1 species. Type, *Stygia elongata* SAY. Equals *Dialysis* WALKER, 1850.
- Agria* DESVOIDY, Essai Myod., p. 376, 1830. 1 species (as 6). Type, *Musca affinis* FALLEN. Equals *Sarcophaga* MEIGEN, 1826.
- Agrobia* LIOY, Atti Inst. Veneto, ser. 3, vol. 9, p. 1313, 1864. 1 species. Type, *Agromyza pectinata* MEIGEN. Equals *Agromyza* FALLEN, 1810.
- ✓ *Agromyza* FALLEN, Spec. Ent. Meth. Exh., p. 21, 1810. No species. In his *Agromyziides* Sveciæ, pp. 3 to 7, 1823, 14 species (1 as a variety). Type, *Agromyza ambigua* FALLEN (described as a variety of the first species), by designation of WESTWOOD, Intr., vol. 2, Synops., p. 151, 1840 (as *nigripes* MEIGEN). Syn., *Phytobia* LIOY, 1864; *Phyllophila* LIOY, 1864; *Agrobia* LIOY, 1864; *Redia* LIOY, 1864; *Agrophila* LIOY, 1864; *Anisonevra* LIOY, 1864.
- Agrophila* LIOY, Atti Inst. Veneto, ser. 3, vol. 9, p. 1314, 1864. 4 species. Type, *Agromyza exilis* MEIGEN, the first species, by present designation. Equals *Agromyza* FALLEN, 1810.
- Akronia* HINE, Ohio Nat., vol. 1, p. 113, 1901. 1 species. Type, *Akronia frontosa* HINE.
- Alasion* RONDANI, Dipt. Ital. Prodr., vol. 2, p. 14, 1857. Change of name for *Apogon* RONDANI, 1856, preoccupied. Type, *Ceratopogon flavipes* MEIGEN. Equals *Helca* MEIGEN, 1800.
- Albinia* DESVOIDY, Essai Myod., p. 209, 1830. 1 species. Type, *Albinia buccalis* DESVOIDY. Equals *Macquartia* DESVOIDY, 1830.
- Alcephagus* GIMMERTHAL, Ent. Zeit. Stettin, vol. 6, p. 152, 1845. Change of name for *Ornithobia* MEIGEN, 1830, on the ground that the latter name is not appropriate. Type, *Pediculus cervi* LINNÆUS. Equals *Lipoptena* NITZSCH, 1818.
- Aldrichia* COQUILLET, Trans. Amer. Ent. Soc., vol. 21, p. 93, 1894. 1 species. Type, *Aldrichia ehmanni* COQUILLET.
- Alina* DESVOIDY, Hist. Nat. Dipt., vol. 2, p. 639, 1863. 3 species (as 4). Type, *Alina pratensis* DESVOIDY, the second species, by present designation. Equals *Morellia* DESVOIDY, 1830.
- Allocotus* LOEW, Berliner Ent. Zeitschr., vol. 16, p. 258, 1872. 1 species. Type, *Allocotus edwardsii* LOEW. Not *Allocotus* MAYR, 1864. Equals *Paracosmus* OSTEN SACKEN, 1877.
- Allodia* WINNERTZ, Verh. Zool.-Bot. Ges. Wien, vol. 13, p. 826, 1863. 5 species. Type, *Mycetophila lugens* WIEDEMANN, the fourth species, by designation of JOHANNSEN in WYTSMAN'S Gen. Ins., Dipt., Mycet., 1909, p. 104. Syn. *Brachycampta* WINNERTZ, 1863.

*Alloneurus* MIK, Jahresb. k. k. Akad. Gymnas., p. 8, 1878. 1 species. Type, *Musca lacustris* SCOPOLI. Equals *Oithoceratium* SCOPOLI, 1803.

*Allognosta* OSTEN SACKEN, Berliner Ent. Zeitschr., vol. 27, p. 297, 1883. Change of name for *Metoponia* LOEW, not of MACQUART. 3 species. Type, *Beris fuscitarsis* SAY, the third species, by present designation.

*Allogtaptia* OSTEN SACKEN, Bull. Buffalo Soc. Nat. Hist., vol. 3, p. 49, 1876. 1 species. Type, *Scæva obliqua* SAY.

*Alloneura* RONDANI, Dipt. Ital. Prodr., vol. 1, p. 140, 1856. 1 species. Type, *Pipunculus minimus* BECKER (as *flavipes* MEIGEN). Equals *Dorilas* MEIGEN, 1800.

*Allophorocera* HENDEL, Verh. Zool.-Bot. Ges. Wien, vol. 51, p. 203, 1901. 1 species. Type, *Decodes auripila* BRAUER and BERGENSTAMM. Equals *Lydella* DESVOIDY, 1830.

*Allophyla* LOEW, Zeitschr. Ent. Breslau, vol. 13, p. 43, 1862. 1 species. Type, *Helcomyza atricornis* MEIGEN.

*Allotrichoma* BECKER, Berliner Ent. Zeitschr., vol. 41, p. 121, 1896. 4 species. Type, *Hecamede lateralis* LOEW, the first species, by original designation.

*Allophora* DESVOIDY, Essai Myod., p. 293, 1830. 1 species (as 4). Type, *Syrphus hemipterus* FABRICIUS. Equals *Phasia* LATREILLE, 1805.

*Allicomerus* RONDANI, Dipt. Ital. Prodr., vol. 1, p. 121, 1856. 1 species. Type, *Milichia maculata* MEIGEN (as *trinitatus*). Equals *Odinia* DESVOIDY, 1830.

*Analopsis* HALIDAY, in Walker's Ins. Britt., Dipt., vol. 3, p. xv, 1856. 1 species. Type, *Linnobia occulta* MEIGEN. Equals *Tricyphona* ZETTERSTEDT, 1837.

*Amedea* DESVOIDY, Essai Myod., p. 207, 1830. 1 species. Type, *Amedea scutellaris* DESVOIDY. Equals *Macquartia* DESVOIDY, 1830.

*Amedoria* BRAUER and BERGENSTAMM, Denkschr. Kais. Akad. Wiss. Wien, vol. 56, p. 106, 1889. 1 species. Type, *Tachina luctuosa* MEIGEN (as *medorina* SCHINER). Equals *Medina* DESVOIDY, 1830.

*Amesia* DESVOIDY, Hist. Nat. Dipt., vol. 2, p. 363, 1863. 1 species. Type, *Tachina disjuncta* WIEDEMANN (as *variabilis*, new species). Equals *Microphthalma* MACQUART, 1843.

*Amina* DESVOIDY, Essai Myod., p. 626, 1830. 1 species. Type, *Amina parisiensis* DESVOIDY. Equals *Scopeuma* MEIGEN, 1800.

*Aminta* DESVOIDY, Essai Myod., p. 569, 1830. 5 species. Type, *Aminta lidibunda* DESVOIDY, the first species, by present designation. Equals *Fannia* DESVOIDY, 1830.

*Amiota* LOEW, Berliner Ent. Zeitschr., vol. 6, p. 229, May, 1862. 2 species. Type, *Amiota leucostoma* LOEW, the second species, by present designation. Syn., *Phortica* SCHINER, Dec., 1862.

*Ammobates* STANNIUS, Isis von Oken for 1831, p. 33, 1831. 3 species. Type, *Ammobates notatus* STANNIUS, the second species, designated by RONDANI, Dipt. Ital. Prodr., vol. 1, 1856, p. 143. Not *Ammobates* LATREILLE, 1809. Equals *Tachytrechus* HALIDAY, 1851.

*Amobia* DESVOIDY, Essai Myod., p. 96, 1830. 1 species. Type, *Amobia conica* DESVOIDY. Syn., *Macronichia* RONDANI, 1859; *Moschusa* DESVOIDY, 1863; *Theone* DESVOIDY, 1863; *Trixoclista* TOWNSEND, 1892.

*Amphicnephes* LOEW, Monogr. Dipt. N. Amer., vol. 3, p. 83, 1873. 1 species. Type, *Trypeta pulla* WIEDEMANN (as *perusus*, new species).

*Amphicosmus* COQUILLET, West Amer. Sci., vol. 7, p. 219, 1891. 1 species. Type, *Amphicosmus elegans* COQUILLET.

*Amphinome* MEIGEN, Nouv. Class. Mouch., p. 15, 1800.\* No species. *Limonia* MEIGEN, 1803, is a change of name. Type, *Tipula tripunctata* FABRICIUS. Syn., *Limonia* MEIGEN, 1803; *Linnobia* MEIGEN, 1818; *Unomyia* MEIGEN, 1818; *Limnomyza* RONDANI, 1856.



- Dionnaea* MEIGEN, Nouv. Class. Mouch., p. 24, 1800.\* No species. *Platyptera* MEIGEN, 1803, is a change of name. Type, *Empis platyptera* PANZER. Syn., *Platyptera* MEIGEN, 1803; *Macrostomus* WIEDEMANN, 1817; *Rhamphomyia* MEIGEN, 1822; *Enicopteryx* STEPHENS, 1829; *Holoclera* SCHINER, 1860; *Megacyttarus* BIGOT, 1880.
- Diostracus* LOEW, Neue Beitr., vol. 8, p. 43, 1861. 1 species. Type, *Diostracus prasinus* LOEW.
- Diotrepha* OSTEN SACKEN, Cat. Dipt. N. Amer., p. 219, 1878. 1 species. Type, *Diotrepha mirabilis* OSTEN SACKEN.
- Dipalta* OSTEN SACKEN, Bull. 3, U. S. Geol. Surv., p. 230, 1877. 1 species. Type, *Dipalta serpentina* OSTEN SACKEN.
- Diphysa* MACQUART, Dipt. Exot., vol. 1, pt. 1, p. 172, 1838. 2 species. Type, *Xylophagus rufipalpus* WIEDEMANN, the second species, by present designation. Not *Diphysa* BLAINVILLE, 1834. Equals *Exaireta* SCHINER, 1867.
- Diplocentra* LOEW, Zeitschr. Ent. Breslau, vol. 13, p. 13, 1859. Change of name for *Curtonotum* MACQUART, 1843, on account of alleged preoccupation. Type, *Musca gibba* FABRICIUS. Equals *Curtonotum* MACQUART, 1843.
- Diplomera* LIOY, Atti Inst. Veneto, ser. 3, vol. 9, p. 1349, 1864. 2 species (as 3). Type, *Tachina bisignata* MEIGEN, the first species (as *biguttata* MEIGEN), by present designation. Equals *Meigenia* DESVOIDY, 1830.
- Diplosis* LOEW, Dipt. Beitr., vol. 4, p. 20, 1851. 15 species. Type, *Tipula pini* DE GEER, the ninth species, by designation of RONDANI, Atti Soc. Ital. Sci. Nat., vol. 2, 1861, p. 289. Equals *Itonida* MEIGEN, 1800.
- Diplotoxa* LOEW, Berliner Ent. Zeitschr., vol. 7, p. 54, 1863. 1 species. Type, *Chlorops versicolor* LOEW.
- Dipsa* FALLEN, Spec. Ent. Meth. Exh., p. 20, 1810. 1 species. Type, *Lonchoptera lutea* PANZER (as *bifurcata*, new species). Equals *Lonchoptera* MEIGEN, 1803.
- Dirhiza* LOEW, Dipt. Beitr., vol. 4, p. 21, 1850. 1 species. Type, *Dirhiza lateritia* LOEW.
- Discobola* OSTEN SACKEN, Proc. Acad. Nat. Sci. Phila. for 1861, p. 226, 1862. 2 species. Type, *Limnobia argus* SAY, the second species, by present designation. Syn., *Trochobola* OSTEN SACKEN, 1869.
- Discocephala* MACQUART, Dipt. Exot., vol. 1, pt. 2, p. 50, 1838. 3 species. Type, *Dasyopogon abdominalis* SAY (as *rufiventris*, new species), the third species, by present designation. Not *Discocephala* LAPORTE, 1832. Equals *Holcocephala* JENNICKE, 1867.
- Discocerina* MACQUART, Hist. Nat., Dipt., vol. 2, p. 527, 1835. 4 species. Type, *Notiphila obscurella* FALLEN, the first species, by present designation. Syn., *Clasiopa* STENHAMMER, 1844.
- Discomyza* MEIGEN, Syst. Besch. Zweifl. Ins., vol. 6, p. 76, 1830. 1 species. Type, *Psilopa incurva* FALLEN.
- Distichona* WULP, Biol. Centr.-Amer., Dipt., vol. 2, p. 44, 1890. 1 species. Type, *Distichona varia* WULP. Syn., *Pseudogermaria* BRAUER and BERGENSTAMM, 1891; *Olenochata* TOWNSEND, 1892.
- Ditomomyia* WINNERTZ, Ent. Zeit. Stettin, vol. 7, p. 14, 1846. 1 species. Type, *Mycetobia fasciata* MEIGEN (as *trifasciata*, new species).
- Dixa* MEIGEN, Syst. Besch. Zweifl. Ins., vol. 1, p. 316, 1818. 3 species (as 4). Type, *Dixa maculata* MEIGEN, the third (valid) species, by designation of CURTIS, Brit. Ent., 1832, p. 409.
- Dizonias* LOEW, Berliner Ent. Zeitschr., vol. 10, p. 30, 1866. 1 species. Type, *Dizonias phanicurus* LOEW.
- Docosia* WINNERTZ, Verh. Zool.-Bot. Ges. Wien, vol. 13, p. 802, 1863. 2 species. Type, *Docosia valida* WINNERTZ, the second species, by designation of JOHANNSEN, Gen. Ins., Dipt., Mycet., 1909, p. 92.

- Dolichocephala* MACQUART, Monogr. Empides, p. 147, 1823. 1 species. Type, *Tachydromia irrorata* FALLEN (as *maculata*, new species). Syn., *Ardoptera* MACQUART, 1827; *Leptosceles* HALIDAY, 1833.
- Dolichocodia* TOWNSEND, Smiths. Misc. Coll., vol. 51, p. 59, 1908. 1 species. Type, *Myocera bivittata* COQUILLET.
- Dolichogaster* MACQUART, Dipt. Exot., Suppl. 3, p. 178, 1848. 1 species. Type, *Mydas brevicornis* WIEDEMANN.
- Dolichoglossa* STEIN, Berliner Ent. Zeitschr., vol. 42, p. 230, 1898. 1 species. Type, *Proboscimyia siphonina* BIGOT (as *americana*, new species). Equals *Proboscimyia* BIGOT, 1883.
- Dolichomyia* WIEDEMANN, Auss. Zweifl. Ins., vol. 2, p. 642, 1830. 1 species. Type, *Dolichomyia nigra* WIEDEMANN.
- Dolichopeza* CURTIS, Brit. Ent., p. 62, 1825. 1 species. Type, *Tipula albipes* STROM (as *silvicola*, new species). Syn., *Leptina* MEIGEN, 1830; *Apelesis* MACQUART, 1846.
- ✓ *Dolichopus* LATREILLE, Precis, p. 159, 1796. No species. In his Hist. Nat. Crust. et Ins., vol. 3, 1802, p. 440, 2 species. Type, *Musca unguolata* LINNÆUS, the first species, by designation of LATREILLE, Consider. Général., 1810, p. 443. Syn., *Iphia* MEIGEN, 1800; *Satyra* MEIGEN, 1803; *Ragheneura* RONDANI, 1856; *Hygroceleuthus* LOEW, 1857; *Spathichira* BIGOT, 1888.
- Doliosyrphus* BIGOT, Bull. Soc. Ent. France for 1882, p. 120, 1882. 3 species. Type, *Doliosyrphus scutellatus* BIGOT, the first species, by designation of WILLISTON, Synops. N. Amer. Syrph., 1886, p. 178.
- Dorbinia* DESVOIDY, Ann. Soc. Ent. France for 1847, p. 272, 1847. 2 species (as 4). Type, *Musca quadripustulata* FABRICIUS (as *ludibunda* and *nitida*, new species), the first two supposed species, by designation of DESVOIDY, Hist. Nat. Dipt., vol. 1, 1863, p. 217. Equals *Winthemia* DESVOIDY, 1830.
- Doria* MEIGEN, Syst. Besch. Zweifl. Ins., vol. 7, p. 263, 1838. 4 species. Type, *Tachina concinnata* MEIGEN, the first species, by designation of DESVOIDY, Hist. Nat. Dipt., vol. 1, 1863, p. 535. Equals *Compsilura* BOUCHE, 1834.
- Dorilas* MEIGEN, NOUV. Class. Mouch., p. 31, 1800.\* No species. *Microcera* MEIGEN, 1803, is a change of name. Type, *Pipunculus campestris* LATREILLE. Syn., *Pipunculus* LATREILLE, 1802; *Microcera* MEIGEN, 1803; *Cephalops* FALLEN, 1810; *Prothecus* RONDANI, 1856; *Alloneura* RONDANI, 1856.
- Doryclus* JÄNNICKE, Abh. Seckenb. Ges., vol. 6, p. 365, 1867. 1 species. Type, *Asilus distendens* WIEDEMANN. Equals *Ampyx* WALKER, 1855.
- Drapetis* MEIGEN, Syst. Besch. Zweifl. Ins., vol. 3, p. 91, 1822. 1 species. Type, *Drapetis exilis* MEIGEN. Syn., *Crossopalpus* BIGOT, 1857.
- Drepanoglossa* TOWNSEND, Trans. Amer. Ent. Soc., vol. 18, p. 377, 1891. 1 species. Type, *Drepanoglossa lucens* TOWNSEND. Equals *Epigrimyia* TOWNSEND, 1891.
- Drepanomyia* WHEELER, Zool. Bull., vol. 1, p. 217, 1898. 2 species. Type, *Drepanomyia pruinosa* WHEELER, the first species, by present designation. Equals *Hypocharassus* MIK, 1879.
- Drepanophora* STROBL, Programm Seiten., vol. 14, p. 40, 1880.\* 1 species. Type, *Phora galeata* HALIDAY (as *braueri*, new species). Equals *Metopina* MACQUART, 1835.
- ✓ *Drosophila* FALLEN, Geomyzides Sveciæ, p. 4, 1823.\* 12 species. Type, *Musca funebris* FABRICIUS, the third species, by designation of CURTIS, Brit. Ent., 1833, p. 473 (as *cellaris* MEIGEN, not LINNÆUS).
- Drymeia* MEIGEN, Syst. Besch. Zweifl. Ins., vol. 5, p. 204, 1826. 1 species. Type, *Musca hamata* FALLEN (as *obscura*, new species).
- Dryomyza* FALLEN, Sciomyz. Sveciæ, p. 15, 1820. 2 species. Type, *Musca flavicola* FABRICIUS (as *velula*, new species), the first species, by designation of WESTWOOD, Intr., vol. 2, Synops., 1840, p. 145. Syn., *Dryope* DESVOIDY, 1830.

*Leptomorphus* CURTIS, Brit. Ins., p. 365, 1831. 1 species. Type, *Leptomorphus walkeri* CURTIS.

*Leptomydas* GERSTAECKER, Ent. Zeit. Stettin, vol. 29, p. 81, 1868. 8 species. Type, *Mydas lusitanicus* WIEDEMANN, the first species, by present designation.

*Leptomyza* MACQUART, Hist. Nat., Dipt., vol. 2, p. 580, 1835. Change of name for *Anthomyza* FALLEN, 1810, supposed to interfere with *Anthomyia* MEIGEN, 1803. Type, *Anthomyza gracilis* FALLEN. Equals *Anthomyza* FALLEN, 1810.

*Leptophora* SIX, Tijdschr. Ent., vol. 21, p. 185, 1878. 1 species. Type, *Phora galeata* HALIDAY (as *perpusilla*, new species). Equals *Metopina* MACQUART, 1835.

*Leptopus* FALLEN, Monogr. Dolich. Sveciæ, p. 23, 1823. 4 species. Type, *Dolichopus contristans* WIEDEMANN, the third species, by present designation. Not *Leptopus* LATREILLE, 1809. Equals *Sciapus* ZELLER, 1842.

*Leptopus* HALIDAY, Zool. Journ., vol. 5, p. 358, 1831. 2 species. Type, *Medetera ornata* HALIDAY, the second species, by present designation. Not *Leptopus* LATREILLE, 1809. Equals *Xanthochlorus* LOEW, 1857.

*Leptorhethum* ALDRICH, Kansas Univ. Quart., vol. 2, p. 50, 1893. 1 species. Type, *Leptorhethum angustatum* ALDRICH.

*Leptorhina* STEPHENS, Syst. Cat. Brit. Ins., vol. 2, p. 243, 1829. 1 species. Type, *Limnobia longirostris* WIEDEMANN. Equals *Megarhina* ST. FARGEAU and SERVILLE, 1828.

*Leptosceles* HALIDAY, Ent. Mag., vol. 1, p. 160, 1833. 3 species. Type, *Leptosceles guttata* HALIDAY, the first species, by designation of COQUILLETT, Proc. Ent. Soc. Washington, vol. 5, 1903, p. 252. Equals *Dolichocephala* MACQUART, 1823.

*Leria* DESVOIDY, Essai Myod., p. 653, 1830. 7 species. Type, *Musca serrata* LINNÆUS (as *fenestrarum*, new species), the fourth species, by designation of RONDANI, Dipt. Ital. Prodr., vol. 1, 1856, p. 103. Equals *Heleomyza* FALLEN, 1810.

*Leskia* DESVOIDY, Essai Myod., p. 100, 1830. 1 species. Type, *Tachina aurea* FALLEN (as *flavescens*, new species). Syn., *Myobia* DESVOIDY, 1830; *Hebia* DESVOIDY, 1830; *Solieria* DESVOIDY, 1848; *Orellia* DESVOIDY, 1848; *Pyrrosia* RONDANI, 1856; *Anthoica* RONDANI, 1861; *Chremia* DESVOIDY, 1863.

*Leskiomima* BRAUER and BERGENSTAMM, Denkschr. Kais. Akad. Wiss. Wien, vol. 58, p. 372, 1891. 1 species. Type, *Stomoxys tenera* WIEDEMANN.

*Lesticocampa* DYAR and KNAB, Journ. N. Y. Ent. Soc., vol. 14, p. 226, 1906. 1 species. Type, *Wyeomyia lunata* THEOBALD.

*Lestomyia* WILLISTON, Trans. Amer. Ent. Soc., vol. 11, p. 19, 1883. 2 species. Type, *Clavator sabulorum* OSTEN SACKEN, the first species, by original designation.

*Lestophonus* WILLISTON, Ins. Life, vol. 1, p. 21, 1888. 1 species. Type, *Lestophonus iceryæ* WILLISTON. Equals *Cryptochetum* RONDANI, 1875.

*Lestremia* MACQUART, Rec. Trav. Soc. Sci. Lille for 1826, p. 173, 1826. 1 species. Type, *Lestremia cinerea* MACQUART. Syn., *Mimosciara* RONDANI, 1840; *Cecidogona* LOEW, 1844; *Furcinerra* RONDANI, 1846; *Yposutca* RONDANI, 1856.

*Leucomelina* MACQUART, Dipt. Exot., Suppl. 4, p. 261, 1851. 1 species. Type, *Leucomelina pica* MACQUART.

*Leucophenga* MIK, Wien. Ent. Zeit., vol. 5, p. 317, 1886. 1 species. Type, *Drosophila maculata* DUFOR.

*Leucophora* DESVOIDY, Essai Myod., p. 562, 1830. 5 species. Type, *Leucophora cinerea* DESVOIDY, the third species, by designation of COQUILLETT, Journ. N. Y. Ent. Soc., vol. 9, 1901, p. 138. Syn., *Oeromyia* LOY, 1864; *Hylephila* RONDANI, 1877; *Hamomyia* RONDANI, 1877.

*Leucopsis* MEIGEN, Syst. Besch. Zweifl. Ins., vol. 6, p. 133, 1830. 4 species. Type, *Leucopsis annulipes* ZETTERSTEDT (as *griseola* MEIGEN), the first species, by designation of BLANCHARD, Hist. Nat. Ins., vol. 3, 1810, p. 627.

*Leucostola* LOEW, Neue Beitr., vol. 5, p. 39, 1857. 1 species. Type, *Dolichopus vestita* WIEDEMANN.

*Leucostoma* MEIGEN, Illiger's Mag., vol. 2, p. 279, 1803. No species. In his Syst. Besch., vol. 4, 1824, p. 234, 1 species. Type, *Ocyptera simplex* FALLEN. Syn., *Clelia* DESVOIDY, 1830; *Psalida* RONDANI, 1856; *Calyptidia* DESVOIDY, 1863.

*Leucozona* SCHINER, Wien. Ent. Monatschr., vol. 4, p. 214, 1860. 1 species. Type, *Musca lucorum* LINNÆUS. Equals *Syrphus* FABRICIUS, 1775.

*Liancalus* LOEW, Neue Beitr., vol. 5, p. 22, 1857. 2 species. Type, *Musca virens* SCOPOLI, the first species, by present designation. Equals *Orthoceratium* SCHRANK, 1803.

*Lilaa* WALKER, Ins. Saund., Dipt., p. 11, 1850. 2 species. Type, *Pangonius luridus* WALKER, the second species, by present designation. Equals *Pangonius* LATREILLE, 1802.

*Limatus* THEOBALD, Monogr. Cullc., vol. 2, p. 349, 1901. 1 species. Type, *Limatus durhamii* THEOBALD. Syn., *Simondella* LAVERAN, 1902.

*Limnobia* MEIGEN, Syst. Besch. Zweifl. Ins., vol. 1, p. 116, 1818. Change of name for *Limonia* MEIGEN, 1803, because the latter name has another meaning beside that intended. Type, *Tipula tripunctata* FABRICIUS. Equals *Amphinome* MEIGEN, 1800.

*Limnobiorynchus* WESTWOOD, Ann. Soc. Ent. France for 1835, p. 683, 1835. 2 species. Type, *Limnobiorynchus brasiliensis* WESTWOOD, the first species, by present designation. Equals *Geranomyia* HALIDAY, 1833.

*Limnaea* RONDANI, Dipt. Ital. Prodr., vol. 1, p. 181, 1856. 1 species. Type, *Tipula flavescens* LINNÆUS. Equals *Polymeda* MEIGEN, 1800.

*Limnoica* RONDANI, Dipt. Ital. Prodr., vol. 4, p. 11, 1861. Change of name for *Limnaea* RONDANI, 1856, on account of *Limnaea* POLI, 1791. Type, *Tipula flavescens* LINNÆUS. Equals *Polymeda* MEIGEN, 1800.

*Limnomyza* RONDANI, Dipt. Ital. Prodr., vol. 1, p. 185, 1856. 1 species. Type, *Tipula tripunctata* FABRICIUS. Equals *Amphinome* MEIGEN, 1800.

[*Limnophila* MACQUART, Hist. Nat., Dipt., vol. 1, p. 95, 1834. 21 species. Type, *Limnobia pictipennis* MEIGEN, the first species, by designation of WESTWOOD, Intr., vol. 2, Synops., 1840, p. 128. Syn., *Limnomyza* RONDANI, 1861; *Pæcistola* SCHINER, 1863. Not American.] (*Limnophila* of authors equals *Phylidorea* BIGOT.)

*Limnophora* DESVOIDY, Essai Myod., p. 517, 1830. 20 species. Type, *Limnophora palustris* DESVOIDY, the second species, by present designation. Syn., *Gymnodia* DESVOIDY, 1863; *Melanocheila* RONDANI, 1866; *Brontea* KOWARZ, 1873; *Pseudolimnophora* STROBL, 1893; *Strobilia* POKORNY, 1893; *Neolimnophora* SCHNABL, 1902.

*Limnospila* SCHNABL, Wien. Ent. Zeit., vol. 21, p. 111, 1902. 1 species. Type, *Aricia albifrons* ZETTERSTEDT. Equals *Cænosia* MEIGEN, 1830.

*Limonia* MEIGEN, Illiger's Mag., vol. 2, p. 262, 1803. 5 species. Type, *Tipula tripunctata* FABRICIUS, the first species, by designation of WESTWOOD, Intr., vol. 2, Synops., 1840, p. 129. Equals *Amphinome* MEIGEN, 1800.

*Limosia* DESVOIDY, Essai Myod., p. 535, 1830. 14 species (as 28). Type, *Limosia campestris* DESVOIDY, the sixth species, by designation of COQUILLET, Journ. N. Y. Ent. Soc., vol. 9, 1901, p. 138. Equals *Cænosia* MEIGEN, 1830.

*Limosina* MACQUART, Hist. Nat., Dipt., vol. 2, p. 571, 1835. 9 species. Type, *Borborus sylvaticus* MEIGEN, the first species, by designation of WESTWOOD, Intr., vol. 2, Synops., 1840, p. 145. Equals *Leptocera* OLIVIER, 1813.

*Linnæmya* DESVOIDY, Essai Myod., p. 52, 1830. 3 species (as 7). Type, *Tachina vulpina* FALLEN (as *silvestris*, new species), the second species, by designation of DESVOIDY, Hist. Nat. Dipt., vol. 1, 1863, p. 131. Syn., *Bonellia* DESVOIDY, 1830.

*Ligema* OSTEN SACKEN, Monogr. Dipt. N. Amer., vol. 4, p. 298, 1869. 2 species. Type, *Triogma nodicornis* OSTEN SACKEN, the second species, by present designation.

*Lipochæta* COQUILLET, Ent. News, vol. 7, p. 220, 1896. 1 species. Type, *Lipochæta slossonæ* COQUILLET.

- Rymosia* WINNERTZ, Verh. Zool.-Bot. Ges. Wien, vol. 13, p. 810, 1863. 13 species. Type, *Mycetophila fasciata* MEIGEN, the first species, by designation of JOHANNSEN, Gen. Ins., Dipt., Mycet., 1909, p. 102.
- Rypholophus* KOLENATI, Wien. Ent. Monatschr., vol. 4, p. 393, 1860. 1 species. Type, *Rypholophus phryganopterus* KOLENATI. Equals *Ormosia* RONDANI, 1856.
- Sabethes* DESVOIDY, Mem. Soc. Hist. Nat. Paris, vol. 3, p. 411, 1827. 1 species. Type, *Culex cyanus* FABRICIUS (as *locuples*, new species).
- Sabethoides* THEOBALD, Monogr. Culic., vol. 3, p. 328, 1903. 1 species. Type, *Sabethoides confusus* THEOBALD.
- Sackenomyia* FELT, 23d Rep. State Ent. N. Y., p. 361, 1908. 1 species. Type, *Oligotrophus acerifolius* FELT.
- Sagaris* DESVOIDY, Hist. Nat. Dipt., vol. 1, p. 486, 1863. 1 species (as 3). Type, *Musca libatrix* PANZER. Equals *Zenilla* DESVOIDY, 1830.
- Salia* DESVOIDY, Essai Myod., p. 108, 1830. 3 species (as 8). Type, *Salia echimura* DESVOIDY, the third species, by designation of DESVOIDY, Hist. Nat. Dipt., vol. 1, 1863, p. 553. Equals *Phorocera* DESVOIDY, 1830.
- Salmacia* MEIGEN, Nouv. Class. Mouch., p. 38, 1800.\* No species. *Gonia* MEIGEN, 1803, is a change of name. Type, *Musca capitata* DE GEER. Syn., *Gonia* MEIGEN, 1803; *Rhedia* DESVOIDY, 1830; *Reaumuria* DESVOIDY, 1830; *Isomera* DESVOIDY, 1851; *Omychogonia* BRAUER and BERGENSTAMM, 1889; *Rhynchogonia* BRAUER and BERGENSTAMM, 1893.
- Salpingogaster* SCHINER, Reise Novara, Zool., vol. 2, Dipt., p. 344, 1868. 3 species. Type, *Salpingogaster pygophora* SCHINER, the first species, by original designation.
- Sapromyza* FALLEN, Spec. Ent. Meth. Exh., p. 18, 1810. 1 species. Type, *Sapromyza obsoleta* FALLEN (as *Tephritis flava* FABRICIUS). Syn., *Sylcia* DESVOIDY, 1830; *Lycia* DESVOIDY, 1830; *Terenia* DESVOIDY, 1830; *Minettia* DESVOIDY, 1830; *Cnemacantha* MACQUART, 1835; *Polionoma* RONDANI, 1856; *Sapromyzosoma* LIOY, 1864; *Stylocoma* LIOY, 1864.
- Sapromyzosoma* LIOY, Atti Inst. Veneto, ser. 3, vol. 9, p. 1009, 1864. 1 species. Type, *Musca quadripunctata* LINNÆUS (as *Sapromyza tibialis* MACQUART). Equals *Sapromyza* FALLEN, 1810.
- Sarcionus* ALDRICH, Biol. Centr.-Amer. Dipt., vol. 1, p. 341, 1901. 2 species. Type, *Pelastoneurus lineatus* ALDRICH, the first species, by original designation.
- Sarcoclista* TOWNSEND, Trans. Amer. Ent. Soc., vol. 19, p. 122, 1892. 1 species. Type, *Sarcoclista dakotensis* TOWNSEND.
- Sarcodexia* TOWNSEND, Journ. Inst. Jamaica, vol. 1, p. 105, 1892. 1 species. Type, *Sarcodexia sternodontis* TOWNSEND.
- Sarcomacronychia* TOWNSEND, Trans. Amer. Ent. Soc., vol. 19, p. 100, 1892. 1 species. Type, *Pachyophthalmus floridensis* TOWNSEND (as *unica*, new species). Equals *Pachyophthalmus* BRAUER and BERGENSTAMM, 1889.
- Sarcophaga* MEIGEN, Syst. Besch. Zweifl. Ins., vol. 5, p. 14, 1826. 30 species. Type, *Musca carnaria* LINNÆUS, the sixth species, by designation of WESTWOOD, Intr., vol. 2, Synops., 1840, p. 140. Syn., *Myophora* DESVOIDY, 1830; *Phorella* DESVOIDY, 1830; *Agria* DESVOIDY, 1830; *Pierretia* DESVOIDY, 1863; *Serraisia* DESVOIDY, 1863; *Bellieria* DESVOIDY, 1863; *Ravinia* DESVOIDY, 1863; *Scaligeria* DESVOIDY, 1863; *Bercæa* DESVOIDY, 1863; *Calyptra* DESVOIDY, 1863; *Listeria* DESVOIDY, 1863; *Sferogaster* LIOY, 1864.
- Sarcophagula* WULP, Tijdschr. Ent., vol. 30, p. 173, 1887. 6 species. Type, *Musca occidua* FABRICIUS, the first species, by present designation.
- Sarcophila* RONDANI, Dipt. Ital. Prodr., vol. 1, p. 86, 1856. 1 species. Type, *Musca latifrons* FALLEN. Syn., *Wohlfahrtia* BRAUER and BERGENSTAMM, 1889.
- Sarcophiloides* BRAUER and BERGENSTAMM, Denkschr. Kais. Akad. Wiss. Wien, vol. 56, p. 164, 1889. 1 species. Type, *Tachina pusilla* WIEDEMANN.

- Sarcotachinella* TOWNSEND, Trans. Amer. Ent. Soc., vol. 19, p. 110, 1892. 1 species. Type, *Sarcotachinella intermedia* TOWNSEND. Equals *Brachicoma* RONDANI, 1856.
- Sardiocera* BRAUER and BERGENSTAMM, Denkschr. Kais. Akad. Wiss. Wien, vol. 56, p. 119, 1889. 1 species. Type, *Theresia tandrec* DESVOIDY (as *valida*, new species). Equals *Theresia* DESVOIDY, 1830.
- Sargus* FABRICIUS, Ent. Syst., Suppl., p. 566, 1798. 5 species. Type, *Musca cuprarius* LINNÆUS, the first species, by designation of LATREILLE, Consider. Général., 1810, p. 442. Not *Sargus* WALB, 1792. Equals *Geosargus* BEZZI, 1907.
- Saropogon* LOEW, Linn. Ent., vol. 2, p. 439, 1847. 4 species. Type, *Dasupogon luctuosus* MEIGEN, the last species, by present designation.
- Sarothromyia* BRAUER and BERGENSTAMM, Denkschr. Kais. Akad. Wiss. Wien, vol. 58, p. 365, 1891. 1 species. Type, *Sarcophila femoralis* SCHINER.
- Satjra* MEIGEN, Illiger's Mag., vol. 2, p. 272, 1803. 1 species. Type, *Musca unguolata* LINNÆUS. Equals *Dolichopus* LATREILLE, 1796.
- Saucropus* LOEW, Neue Beitr., vol. 5, p. 41, 1857. 4 species. Type, *Dolichopus suturalis* FALLEN, the third species, by present designation. Equals *Neurigona* RONDANI, 1856.
- Saundersia* SCHINER, Reise Novara, Zool., vol. 2, Dipt., p. 333, 1868. 1 species. Type, *Micropalpus ornatus* MACQUART. Equals *Epalpus* RONDANI, 1850.
- Savia* RONDANI, Dipt. Ital. Prodr., vol. 4, p. 140, 1861. 1 species. Type, *Tachina melanocephala* MEIGEN. Equals *Phyto* DESVOIDY, 1830.
- Sayomyia* COQUILLET, Can. Ent., vol. 35, p. 190, 1903. 1 species. Type, *Corethra punctipennis* SAY. Equals *Chaoborus* LICHTENSTEIN, 1800.
- Scæva* FABRICIUS, Syst. Antliatorum, p. 248, 1805. 25 species. Type, *Musca pyrastris* LINNÆUS, the third species, by designation of CURTIS, Brit. Ent., 1834, p. 509. Syn., *Lasiophthicus* RONDANI, 1844; *Catabomba* OSTEN SACKEN, 1877.
- Scaligeria* DESVOIDY, Hist. Nat. Dipt., vol. 2, p. 476, 1863. 2 species (as 9). Type, *Sarcophaga melanura* MEIGEN, the second species, by original designation. Equals *Sarcophaga* MEIGEN, 1826.
- Scapta* WALKER, Ins. Saund., Dipt., p. 3, 1850. 5 species. Type, *Pangonius auratus* MACQUART, the first species, by present designation. Equals *Pangonius* LATREILLE, 1802.
- Scaptomyza* HARDY, Proc. Berwick Nat. Club, p. 349, 1849.\* 2 species. Type, *Drosophila graminum* FALLEN, the first species, by present designation.
- Scarphia* WALKER, Ins. Saund., Dipt., p. 10, 1850. 1 species. Type, *Pangonius directa* WALKER. Equals *Pangonius* LATREILLE, 1802.
- Scatella* DESVOIDY, Essai Myod., p. 801, 1830. 2 species. Type, *Ephydra stagnalis* FALLEN (as *buccata*, new species), the first species, by designation of BECKER, Berliner Ent. Zeitschr., vol. 41, 1896, p. 224. Syn., *Trixostomus* RONDANI, 1856.
- Scathophaga* MEIGEN, Illiger's Mag., vol. 2, p. 277, 1803. 1 species. Type, *Musca merdaria* FABRICIUS. Equals *Scopeuma* MEIGEN, 1800.
- Scathopse* GEOFFROY, Hist. Abrégée Ins., vol. 2, p. 544, 1762. 2 species (without names). Type, *Tipula notata* LINNÆUS, the first species, by designation of LATREILLE, Consider. General., 1810, p. 442 (as *albipennis* FABRICIUS). Syn., *Ceria* SCOPOLI, 1763.
- Scatina* DESVOIDY, Essai Myod., p. 629, 1830. 1 species. Type, *Scatina claripennis* DESVOIDY. Equals *Scopeuma* MEIGEN, 1800.
- Scatomyza* FALLEN, Spec. Ent. Meth. Exh., p. 15, 1810. 2 species. Type, *Musca scybalaria* LINNÆUS, the first species, by present designation. Equals *Scopeuma* MEIGEN, 1800.
- Scellus* LOEW, Neue Beitr., vol. 5, p. 22, 1857. 2 species. Type, *Hydrophorus spinimanus* ZETTERSTEDT, the second species, by present designation. Syn., *Anoplomerus* RONDANI, 1856, preoccupied.

- Scenopinus* LATREILLE, Hist. Nat. Crust. et Ins., vol. 3, p. 463, 1802. 1 species. Type, *Musca fenestralis* LINNÆUS. Equals *Omphrale* MEIGEN, 1800.
- Schaumia* DESVOIDY, Hist. Nat. Dipt., vol. 2, p. 43, 1863. 1 species. Type, *Tachina bimaculata* HARTIG. Equals *Sturmia* DESVOIDY, 1830.
- Schizomyia* KIEFFER, Ent. Nachr., vol. 15, p. 183, 1889. 1 species. Type, *Schizomyia galiorum* KIEFFER.
- Schizotachina* WALKER, Ins. Saund., Dipt., p. 264, 1852. 1 species (as 2). Type, *Tachina convecta* WALKER.
- Schœnomyza* HALIDAY, Ent. Mag., vol. 1, p. 166, 1833. 1 species (as 2). Type, *Ochtiphila litorella* FALLEN. Syn., *Litorella* RONDANI, 1856.
- Sciapus* ZELLER, Isis von Oken for 1842, p. 831, 1842. Change of name for *Psilopus* MEIGEN, 1824, under the erroneous impression that it is preoccupied by *Psilopa* FALLEN, 1823. Type, *Dolichopus platypterus* FABRICIUS. Syn., *Leptopus* FALLEN, 1823, preoccupied; *Psilopus* MEIGEN, 1824, preoccupied; *Psilopodius* RONDANI, 1861; *Psilopodinus* BIGOT, 1888; *Gnamptopsilopus* ALDRICH, 1893.
- Sciara* MEIGEN, Illiger's Mag., vol. 2, p. 263, 1803. 1 species. Type, *Tipula thomæ* LINNÆUS. Equals *Lycoria* MEIGEN, 1800.
- Sciasma* COQUILLET, Rev. Tach., p. 69, 1897. 1 species. Type, *Sciasma nebulosa* COQUILLET.
- Sciodromia* HALIDAY, in Westwood's Intr., vol. 2, Synops., p. 132, 1840. 1 species. Type, *Heleodromia immaculata* HALIDAY. Equals *Heleodromia* HALIDAY, 1833.
- Sciomyza* FALLEN, Sciomyzides Sveciæ, p. 11, 1820. 12 species. Type, *Sciomyza simplex* FALLEN, the first species, by designation of WESTWOOD, Intr., vol. 2, Synops., 1840, p. 145. Syn., *Bischofia* HENDEL, 1902. (*Sciomyza* of authors equals *Chetocera* DESVOIDY.)
- Scione* WALKER, Ins. Saund., Dipt., p. 10, 1850. 1 species. Type, *Pangonius incompletus* MACQUART. Syn., *Dielsia* SCHINER, 1867.
- Sciophila* MEIGEN, Syst. Besch. Zweifl. Ins., vol. 1, p. 245, 1818. 13 species. Type, *Sciophila hirta* MEIGEN, the twelfth species, by designation of CURTIS, Brit. Ent., 1837, p. 041. Syn., *Lasiovoma* WISNERTZ, 1863. (*Sciophila* of authors equals *Mycomya* RONDANI.)
- Scleropogon* LOEW, Berliner Ent. Zeitschr., vol. 10, p. 26, 1866. 1 species. Type, *Scleropogon peticornis* LOEW. Equals *Stenopogon* LOEW, 1847.
- Scoliocentra* LOEW, Zeitschr. Ent. Breslau, vol. 13, p. 43, 1862. 1 species. Type, *Heleomyza villosa* MEIGEN.
- Scoliopelta* WILLISTON, Ent. Amer., vol. 1, p. 154, 1885. 1 species. Type, *Scoliopelta luteipes* WILLISTON.
- Scopeuma* MEIGEN, Nouv. Class. Mouch., p. 36, 1800.\* No species. *Scathophaga* MEIGEN, 1803, is a change of name. Type, *Musca merdaria* FABRICIUS. Syn., *Scathophaga* MEIGEN, 1803; *Scatomyza* FALLEN, 1810; *Pyropa* SAY, 1823; *Amia* DESVOIDY, 1830; *Scatina* DESVOIDY, 1830.
- Scopolia* DESVOIDY, Essai Myod., p. 268, 1830. 3 species (as 5). Type, *Musca carbonaria* PANZER, the second species, by designation of ZETTERSTEDT, Dipt. Scand., vol. 3, 1844, p. 1239. Equals *Wagneria* DESVOIDY, 1830.
- Scotia* DESVOIDY, Hist. Nat. Dipt., vol. 1, p. 255, 1863. 1 species (as 2). Type, *Tachina grandis* ZETTERSTEDT. Equals *Thrycolyga* RONDANI, 1856.
- Scotipectera* MACQUART, Hist. Nat., Dipt., vol. 2, p. 215, 1835. 2 species. Type, *Sophia punctata* DESVOIDY, the second species, by designation of MACQUART, Dipt. Exot., vol. 2, pt. 3, 1843, p. 240 (as *Dexia melaleuca* WIEDEMANN).
- Scutops* COQUILLET, Proc. Ent. Soc. Washington, vol. 6, p. 97, 1904. 1 species. Type, *Scutops fascipennis* COQUILLET.
- Scyphella* DESVOIDY, Essai Myod., p. 650, 1830. 2 species. Type, *Musca flava* LINNÆUS (as *flavicornis*, new species), the first species, by designation of BEZZI, Atti Soc. Ital. Sci., vol. 43, 1904, p. 178. Equals *Chyromya* DESVOIDY, 1830.

*Scilopogon* COSTA, Ann. Sci. Napoli, vol. 1, p. 74, 1854.\* 1 species. Type, *Asilus diadema* FABRICIUS (as *sicanus*, new species). Equals *Dasypogon* MEIGEN, 1803.

*Seioptera* KIRBY, An Intr. Ent., vol. 2, p. 305, 1817. 1 species. Type, *Musca vibrans* LINNÆUS. Equals *Ortalis* FALLEN, 1810.

*Semiomyia* BREMI, Ann. Soc. Ent. France for 1848, pp. 102, 103, 1848. 1 species (as 3). Type, *Crameria astroidea* DESVOIDY. Equals *Trixa* MEIGEN, 1824.

*Senogaster* MACQUART, Hist. Nat., Dipt., vol. 1, p. 519, 1834. 1 species. Type, *Senogaster cerulescens* MACQUART. Syn., *Acrochordonodes* BIGOT, 1878.

*Senopterina* MACQUART, Hist. Nat., Dipt., vol. 2, p. 453, 1835. 1 species. Type, *Dacus brevipes* FABRICIUS.

*Senotainia* MACQUART, Dipt. Exot., Suppl. 1, p. 167, 1846. 1 species. Type, *Senotainia rubriventris* MACQUART. Syn., *Arrenopus* BRAUER and BERGENSTAMM, 1891.

*Sepedon* LATREILLE, Hist. Nat. Crust. et Ins., vol. 14, p. 385, 1805. 1 species. Type, *Syrphus spegeus* FABRICIUS.

*Sepsis* FALLEN, Spec. Ent. Meth. Exh., p. 17, 1810. 2 species. Type, *Musca cynipsea* LINNÆUS, the second species, by designation of CURTIS, Brit. Ent., 1829, p. 245. Syn., *Acrometopia* LIOY, 1864; *Beggiatia* LIOY, 1864.

*Sepsisoma* JOHNSON, Ent. News, vol. 11, p. 327, 1900. 1 species. Type, *Sepsisoma flavescens* JOHNSON.

*Sericomyia* MEIGEN, Illiger's Mag., vol. 2, p. 274, 1803. 2 species. Type, *Musca lappona* LINNÆUS, the second species, by designation of LATREILLE, Consider. Général., 1810, p. 443. Equals *Cinxia* MEIGEN, 1800.

*Serromyia* MEIGEN, Syst. Besch. Zweifl. Ins., vol. 1, p. 83, 1818. 1 species. Type, *Ceratopogon femoratus* MEIGEN. Syn., *Prionomyia* STEPHENS, 1829; *Ceratolophus* KIEFFER, 1899; *Johannseniella* WILLISTON, 1907.

*Servaisia* DESVOIDY, Hist. Nat. Dipt., vol. 2, p. 429, 1863. 1 species (as 5). Type, *Sarcophaga erythrura* MEIGEN. Equals *Sarcophaga* MEIGEN, 1826.

*Sferogaster* LIOY, Atti Inst. Veneto, ser. 3, vol. 9, p. 889, 1864. 1 species. Type, *Sarcophaga laticornis* MEIGEN. Equals *Sarcophaga* MEIGEN, 1826.

*Siagona* MEIGEN, Syst. Besch. Zweifl. Ins., vol. 6, pl. 65, figs. 5, 6, and 7, 1830. 1 species. Type, *Glochina sericata* MEIGEN. Equals *Furcomyia* MEIGEN, 1818.

*Sicus* SCOPOLI, Ent. Carn., p. 369, 1763. 2 species. Type, *Conops ferruginea* LINNÆUS, the first species, by present designation. Syn., *Cylindrogaster* LIOY, 1864.

*Sicus* LATREILLE, Precis, p. 158, 1796. No species. In his Hist. Nat. Crust. et Ins., vol. 14, 1805, p. 312, 1 species. Type, *Musca arrogans* LINNÆUS (as *cimicoides* FABRICIUS). Not *Sicus* SCOPOLI, 1763. Equals *Coryneta* MEIGEN, 1800.

*Sigaloëssa* LOEW, Berliner Ent. Zeitschr., vol. 9, p. 186, 1865. 1 species. Type, *Sigaloëssa bicolor* LOEW.

*Sigmatomera* OSTEN SACKEN, Monogr. Dipt. N. Amer., vol. 4, p. 137, 1869. No species. In 1873, 1 species. Type, *Sigmatomera flavipennis* OSTEN SACKEN.

*Siligo* ALDRICH, Trans. Amer. Ent. Soc., vol. 34, p. 98, 1908. 2 species. Type, *Siligo oregona* ALDRICH, the first species, by original designation. Equals *Zagonia* COQUILLET, 1904.

*Silvius* MEIGEN, Syst. Besch. Zweifl. Ins., vol. 2, p. 27, 1820. 1 species. Type, *Tabanus vituli* FABRICIUS.

*Simondella* LAVERAN, Compt. Rend. Soc. Biol. for 1902, p. 1160, 1902. 1 species. Type, *Simondella curvirostris* LAVERAN. Equals *Limatus* THEOBALD, 1901.

*Simulium* LATREILLE, Hist. Nat. Crust. et Ins., vol. 3, p. 426, 1802. 1 species. Type, *Rhagio colombaschensis* FABRICIUS. Equals *Molusina* MEIGEN, 1800.

*Sinophthalmus* COQUILLET, Proc. Ent. Soc. Washington, vol. 6, p. 190, 1904. 1 species. Type, *Sinophthalmus pictus* COQUILLET.

*Siphoclytia* TOWNSEND, Trans. Amer. Ent. Soc., vol. 19, p. 116, 1892. 1 species. Type, *Siphoclytia robertsonii* TOWNSEND. Equals *Epigrimyia* TOWNSEND, 1891.



Coquillett, D.W. 1910. The type-species of the North American genera of Diptera. Proc. USNM, 37:499-647.

- p.505. <sup>v</sup> Amiota Desvoidy, Essai Myod., p.96, 1830. 1 species. Type, Amiota conica Desvoidy. Syn. Macronichia Rondani, 1859; Moschusa Desvoidy, 1863; Theone Desvoidy, 1863; Trixoclista Townsend, 1892.
511. Asteia Meigen, Syst. Besch. Zweifl. Ins., vol. 6, p.1830. 2 species. Type, Asteia amœna Meigen, the first species, by designation of Westwood, Intr., vol. 2, Synops., 1840, p.152.
512. Aulacigaster Macquart, Hist. Nat., Dipt. vol. 2, p.579, 1835. 1 species. Type, Aulacigaster rufitarsis Macquart. Syn. Apotomella Dufour, 1846; Ampycophora Wahlberg, 1847.
- 516 Cacoxenus Loew, Wien. Ent. Monatschr., vol. 2, p.217, 1858. 1 species. Type, Cacoxenus indagator Loew.
517. Calopterella, new genus. Type, Diastata vagans Loew. Syn. Trichoptera Lioy, 1864, Preoccupied.
524. Cladochaeta Coquillett, Proc. U.S. Nat. Mus., vol. 22, p.263, 1900. 1 species. Type, Cladochaeta nebulosa Coquillett.
528. Cryptochetum Rondani, Bull. Soc. Ent. Ital. for 1875, p.172, 1875. 1 species. Type, Cryptochetum grandicorne Rondani. Syn. Lestophonus Williston, 1888.
532. Diastata Meigen, Syst. Besch. Zweifl. Ins., vol. 6, p.94, 1830. 16 species. Type, Geomyza obscurella Fallen, the third species, by designation of Westwood, Intr., vol. 2 Synops., 1840, p.152. Not American. (Diastata of authors equals Calopterella, new name)
535. Drosophila Fallen, Geomyzides Sveciae, p.4, 1823 \* 12 species. p.4, 1823. Type. Musca funebris Fabricius, the third species, by designation of Curtis, Brit. Ent., 1833, p.473 (as cellaris Meigen, not Linnaeus).
560. Leucophenga Mik, Wien. Ent. Zeit., vol. 5, p.317, 1886. 1 species. Type, Drosophila maculata Dufour.
570. Milichia Meigen, Syst. Besch. Zweifl. Ins., vol.6, p.131, 1830. Type, Milichia speciosa Meigen, the first species, by designation of Westwood, Intr., vol. 2, 1840, Synops. p.151. not American. (The American species belong to Rhynchomilichia Hendel.) 1 species.
578. Odinia Desvoidy, Essai Myod., p.748, 1830. 2 species. Type, Milichia maculata Meigen (as trinotata, new species), the first species, by designation of Rondani, Bull Soc. Ent. Ital., vol. 7, 1875, p.2. Syn., Alticomerus Rondani, 1856.
596. Pseudiasata Coquillett, Proc. Ent. Soc. Washington, vol. 9, p.148, 1908. 1 species. Type, Pseudiasata nebulosa Coquillett.
601. Rhynchomilichia Hendel, Wien. Ent. Zeit., vol. 22, p.250, 1903. 1 species. Type, Lobioptera argyrophenga Schiner.

p.603.

Scaptomyza Hardy, Proc. Berwick Nat. Club, p.349, 1849\* 2 species. Type, Drosophila graminum Fallen, the first species, by present designation.

605. Sinophthalmus Coquillett, Proc. Ent. Soc. Washington, vol. 6, p. 190, 1904. 1 species. Type, Sinophthalmus pictus Coquillett.

608. Stegana Meigen, Syst. Besch. Zweifl. Ins., vol. 6, p.79, 1830. 2 species. Type, Musca coleoptrata Scopoli (as hypoleuca, new species), the second species, by designation of Westwood, Intr., vol. 2, Synops., 1840, p.153 (as annulata Haliday).