

annals by O. W. Cassidell Loew?

HELOMYZIDAE.

- borealis Bohemann, Ins. Spetsb. 573, 15; Holmgren, Ins. Spetsb. 85; Ins. Nordgroenl. 104. — Spitzbergen and Greenland.
- *lateritia Loew, Centur. II, 89. — Connecticut.
- *longipennis Loew, Centur. II, 90. — New York.
- *plumata Loew, Centur. II, 88. — New York.
- *quinquepunctata Say, J. Acad. Phil. III, 101; Compl. Wr. II, 86; Wiedemann, Auss. Zw. II, 588, 3. — Cow Island, Missouri River.
- tibialis Zetterstedt, Ins. Lapp. 767; Staeger, Groenl. Antl., 366, 50; Holmgren, Ins. Nordgroenl. 104. — Lapland and Greenland.
- *Zetterstedt Loew, Schles. Z. f. Ent. 1859, Helomyzidae 69. — North and middle of Europe and North America (Loew in litt.).
- *Himbata Thomson, Eugen. Resa, etc. 569. — California [There is an earlier *H. limbata* Walker, Loew in litt.].

Observation. Mr. Walker's species of *Helomyza* are:
faucata Walker, List, etc. IV, 1094. — Nova Scotia.
lateralis Walker, l. c. IV, 1095. — North America.
tincta Walker, List, etc. IV, 1092. — Nova Scotia.

-Scollocentra.-

Schles. Zeitschr. f. Ent. 1859, 43.

- *fraterna Loew, III, 51. — Sitka.
 - *helvola Loew, II, 80. — Illinois.
- [There are two more species, as yet undescribed, in the collections]

Anorostoma.

Loew, Schles. Z. f. Ent. 1859, 47.

- *marginata Loew, Centur. II, 81. — Brit. North America.

Allophyla.

Loew, Schles. Z. f. Ent. 1859, 43.

- *laevis Loew, Centur. II, 85. — Brit. North America. [hardly differs from the european *A. nigricornis* Meig., except in the coloring of the antennae. Loew, l. c.]

~~Leria~~ Desv. < syn. **Blepharoptera.**

Loew, Schles. Z. f. Ent. 1850, 57.

Blepharoptera Macquart, Hist. Nat. Dipt. II, 412; 1835.

- *biseta Loew, Schl. Z. f. Ent. 1859, 62. — Europe and Sitka (Loew in litt.).
- *carolinensis R. Desvoidy, Myod 629, 11 (*Scatophaga*); referred here by R. Desvoidy in Ann. Soc. Ent.; 1841, p. 258, foot-note.
- *cineraria Loew, Schl. Z. f. Ent. 1859, 67. — Europe and British N. A.

- Blepharoptera armipes* Loew, Centur. II, 83 (Loew in litt.). *Leria chetomera* Rond., Atti. Ital. Sci. Nat., Milano 1867, p. 127. *L. barbigeri* Al. & Ver., Di. Gesell., 1869, p. 31. *Wiener Ent. Zeits.*, 1866.
- *defessa O. Sacken, in Packard's: Cave fauna in Utah (Bulletin U. S. Geol. and Geogr. Survey, Vol. III, No. 1). — Kentucky. (237). Ky., in caves.
- *discolor Loew, Centur. X, 78. — White Mts., N. H.
- *latens Ald. 2nd Rept. St. Geol. Ind., 1848.
- *speciosus " " " " " " " " 1849.

- *crassipes Loew, Zeitsch. für Ent., Breslau, 1859, p. 68. Eur.; Brit. Am.

Oskar Sacko 1878: Cat. Dipt. N. Am. 2nd Ed.

*trivialis Loew, Centur. III, 87. — Distr. Columbia.
Prolifica Os., *Lindneri* 4th Report, '70, 1872; also 7th Report.

Observation. About the species of Chlorops enumerated on page 85 of my first Catalogue, Mr. Loew communicates me the following remarks.

- antennalis Fitch, Reports I, 300, see my note [sic] *Agromyza vulgaris*
 annulata Walker, List, etc. IV, 1119. — Huds. B. Terr. [probably Chloropisca. — Loew].
 assimilis Macquart, Dipt. Exot. 4e Suppl. 306, 3; Tab. XXVIII, f. 9. — North America (probably Diplotoxa. — Loew).
 atra Macquart, Dipt. Exot. 4e Suppl. 307, 6; Tab. XXVIII, f. 12 [probably Eutropha; hardly Haplegis. — Loew].
 bistrigata Walker, List, etc. IV, 1120. — Huds. B. Terr. [apparently Chlorops, in the narrower sense. — Loew].
 perlava Walker, List, etc. IV, 1120 [perhaps Diplotoxa. — Loew].
 proxima Say, J. Acad. Phil. VI, 187; Compl. Wr. II, 370. — Indiana.
 soror Macquart, see *Oscinis soror*.
 testacea Macquart, Dipt. Exot. 4e Suppl. 306, 4; Tab. XXVIII, f. 10. — North America [Chlorops, sensu strict. — Loew].
 vittata Fitch, Reports I, 300; Tab. I, f. 5. — New-York. *Oscinis*
 Wiedemann, Auss. Zw. II, 594, 1. — West Indies. [The plumose antennae render the position of this species in the family somewhat doubtful. As *Hippelates eulophus* alone, among all N. A. species, has such antennae, *C. vittata* may be a Hippelates. However South America possesses several Oscinidae with plumose antennae. — Loew.]

Elliponeura.

Loew, Centur VIII, 79; 1869.

*debilis Loew, Centur. VIII, 79. — Distr. Columbia.

Gymnopa.

Fallen, Oscinid., 1820; *Mosillus* Latreille; 1804. (22)

nigroaenea Walker, Dipt. Saund., 413. — United States.
 tarsalis Walker, l. c. — United States.

FAMILY AGROMYZIDAE.

Rhinoessa.

Loew, Wien. Ent. Monatschr. VI, 174. (324)

- *albula Loew, Centur. VIII, 80. — Newport, R. I.
 *coronata Loew, Centur. VI, 98. — Georgia.
 *parvula Loew, Centur. VIII, 81. — Newport, R. I.
Milichia Mels. Syst. Besch. VI, 131; 1830.

Lobioptera.

Wahlberg, Oefvers. af K. Vetensk. Acad. Forh. 1847, 259.

- *arcuata Loew, Zeitschr. f. Ges. Naturw. 1876, 339. — Long Island, N. Y. *Ophthalmomyia*
 *indecora Loew, Centur. VIII, 94. — Nebraska.

placed among
 agr. I, 46. —

ve been intro-
 eit. f. Entom.;

ad Canada.

ia.

mbia.

ka.

nerica.

1, 318. 1895. Fla.

Traginops.
Cep. Ent. News, Apr., 1900, p. 429.

irrorata *Cep. Ac.*, p. 430. G2.; N. J.

210

AGROMYZIDAE.

- Cinerea* *Cop. Proc. U.S. Nat. Ac. 1900, p. 266, Porto Rico.*
✓ ** lacteipennis* Loew, Centur. VI, 97. — Cuba. *Ophthalmomyia* Will.
** leucogastra* Loew, Centur. VIII, 95. — Cuba.
Milichia leucogastra Loew, Wien. Ent. Monatschr. V, 43, 20.

Phleomyia.

- Bilimek, Verh. Zool. Bot. Ges. 1867, 903.
leucozona Bilimek, l. c. — Mexico.
Odinia Desv., *Ess. Mycol.*, 446; 1630.

Milichia.

- Meigen, System. Besch. VI, 131; 1830. (327).
** picta* Loew, Centur. I, 99. — Georgia.

Cacoxenus.

- Loew, Wien. Ent. Monatschr. 1858, 217. (328).
** semiluteus* Loew, Centur. VIII, 97. — Cuba.

Aulacigaster.

- Macquart, Hist. Nat. Dipt. II, 579; 1835. (327).
Amphycophora Wahlberg, Oefvers. K. Svensk. Vet. Acad. Förh. 1847, p. 261-263; Tab. VII, f. 2.
Apotomella Leon Dufour, Ann. Soc. Ent. de Fr. 1845, p. 455.
✓ ** rufitarsis* Macquart, etc. For the description and full quotations see Schiner, Fauna Austr., Dipt. II, 270. — Europe and North America (Distr. Columbia; Texas. — *Lw. in litt.*).
Syn. Diastira diademata Meig., Syst. Besch. VII, 379; 1836 (Secker, Zeit. Hym. Dipt. II, 305, type).

Leucopis.

- Meigen, System. Besch. VI, 133; 1830.
✓ ** simplex* Loew, Centur. VIII, 96. — New York.
✓ ** bella* Loew, Centur. VI, 99. — Cuba.
✓ ** bellula* Will., Insect Life, Vol. I, p. 237.

Deshmometopa.

- Loew, Centur. VI, 96; 1865.
✓ ** latipes* Meigen, etc. — Europe and North America (Distr. Columbia; Pennsylvania; *Lw. in litt.*).
✓ ** M nigrum* Zetterstedt, Dipt. Scand. VII, 2743 (*Agromyza*). — Sweden; Malta, also Cuba (the latter Loew *in litt.*).
✓ ** tarsalis* Loew, Centur. VI, 96. — Cuba.
halteralis *Cop. Proc. U.S. Nat. Ac. 1899, p. 267, Porto Rico; Mass.; Fla.; N. Mex.; Cal. Sept. Ent. Nov. Dipt., 2, 1610.*

Agromyza.

- Fallen, *Agromyz.*, 1823.
✓ ** aeneiventris* Fallen, etc. — Europe and North America [Loew *in litt.*].
✓ ** angulata* Loew, Centur. VIII, 87. — Pennsylvania.
✓ ** coronata* Loew, Centur. VIII, 89. — Pennsylvania.
✓ ** invaria* Walker, Trans. Ent. Soc. N. S. IV, 232. — United States.
** jucunda* v. d. Wulp, Tijdschr. v. Ent. 2^d Ser. II, 161; Tab. V, f. 19, 20. — Wisconsin.
✓ ** longipennis* Loew, Centur. VIII, 90. — Distr. Columbia.
✓ ** magnicornis* Loew, Centur. VIII, 86. — Pennsylvania.
✓ ** marginata* Loew, Centur. VIII, 91. — Distr. Columbia.
** terminalis* *Cop. Proc. Acad. Phil., 308, 1895. Fla.; Pa.*
** malvæ* Burgess, Rept. U.S. Dept. Agr., 1879, p. 202.
** trifolii* " " " " " " " , p. 201.
** brassicæ* Riley " " " " " " " 1884, p. 322.

** lateralis* Will., Tr. Ent. Soc. Lond., Sept., 1890, 428. St. Vincent Isd.

Zonchaca, orthidestrum Town. Type compared.

Phytomyza Fallén, Sp. Ent. Nov. Dipt., 20, 1810.
✓ *securicornis* Fallén, Dipt. Succ. Ochth., 8, 1823.

PHYTOMYZIDAE. — ATEIDAE.

211

Johnson in litt. Oct. 9, 1902.

- ✓ *flaviventris* John. Can. Ent., Sept., 1902,
- ✓ *melampyga* Loew, Centur. VIII, 88. — Distr. Columbia.
- ✓ *neptis* Loew, Centur. VIII, 93. — Nebraska.
- ✓ *parvicornis* Loew, Centur. VIII, 92. — Distr. Columbia.
- ✓ *setosa* Loew, Centur. VIII, 83. — Distr. Columbia.
- ✓ *simplex* Loew, Centur. VIII, 84. — Pennsylvania.
- ✓ *tritici* Fitch, Reports I, 303; Tab. II, f. 1. — New York.
- ✓ *virens* Loew, Centur. VIII, 85. — Pennsylvania.

picitella Thomson, Eugen. Resa, 609. — California.
platyptera Thomson, Eugen. Resa, 608. — California.

See p. 207.

Cephalomyza Schiner:
Odontocera.

Macquart, Hist. Nat. Dipt. II, 614; 1835. Proc.

- ✓ *dorsalis* Loew, Centur. III, 98. — Distr. Columbia.

Paranyza Will. Kans. Univ. Quart., VI, 1; Jan., 1897.

Phytomyza.

Fallén, Ochthidia; 1823.

- ✓ *nitens* Loew, Centur. VIII, 82. — Pennsylvania.

Oechthiphila.

Fallén, Ochthidia; 1823. (328).

Hispina Thomson, Eugen. Resa, 599. — California.

polystigma Meig. Schiner Faun. II, 392, III, var. (Zerk), Wiener Ent. Zeitung, Jan., 1900
Observation. *Ulidia metallica* Bigot, in R. de la Sagra etc. P. 9.

825 belongs to the Agromyzidae, according to Loew, Monogr. III, 202; however in the same volume page 65, he says it may be a

Chrysoomyza, a genus allied to *Ulidia*.

maritima Zett. Mas.
juncorum Fall. Mas.
elegans Fall. N.Y.

FAMILY PHYTOMYZIDAE.

Phytomyza.

Fallén, Sp. Ent. Nov. Dipt., 21, 1810.

Fallén, Phytomyz.; 1823.

- ✓ *clematidis* Loew, Centur. III, 100. — Distr. Columbia.
- ✓ *diminuta* Walker, Trans. Ent. Soc. N. S. IV, 232. — United States.
- ✓ *genualis* Loew, Centur. VIII, 100. — Distr. Columbia. *albiceps* Bigot. Becker in litt. to G. H. Hough. Syn. zetterstedtii Schin. Same.
- ✓ *ilicicola* Loew, Centur. Vol. II, 290. — Distr. Columbia.
Phytomyza ilicis Loew, Centur. III, 99 (change of name by Loew).
- ✓ *nervosa* Loew, Centur. VIII, 99. — Distr. Columbia.
- solita* Walker, Trans. Ent. Soc. N. Ser. IV, 232. — United States.
- obscura* Fallén, Phytomyz. 4, 8; Meigen, System. Besch. VI, 191;
Staeger, Groenl. Antl. 369, 55. — Europe and Greenland.
- ✓ *chrysanthemii* Kowarz, Linnaeus 7th. Rept., p. 213, 1841.
- ✓ *aguiligis* Hardy. Ann. Ent. Hist., 2nd ser. IV, 392, 1849. Eng. and Fern. Britton in Garden and Forest, Nov. 6, 1895.

FAMILY ASTEIDAE.

Sigaloëssa.

Loew, Centur. VI, 100; 1865. (329).

- ✓ *bicolor* Loew, Centur. VI, 100. — Cuba.

Napomyza Haliday in Westwood's Introd., II, 152; 1840, Type as given, *Phytom. festiva* Meigen.

myz Will.
3, 20.

30.

Förh. 1847,
p. 455.
otations see
rth America
ker, Zeit. Hym. Dipt. II, 305, type.

r. Columbia;
— Sweden;
; Fla.; N. Mex.; Col.

Loew in litt.]

ed States.
ab. V, f. 19,

1845. Fla.; Pa.

next Id.