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A CATALOGUE OF THE DIPTERA OF THE AMERICAS SOUTH
OF THE UNITED STATES

75

FAMILY MILICHIIDAE

(PHYLLOMYZIDAE, INCLUDING CARNIDAE)

CURTIS W. SABROSKY

Entomology Research Division, Agr. Res. Serv.
U. S. Department of Agriculture
Washington, D. C.

Milichiid flies are small and inconspicuous, usually black, often dull or subshining but sometimes highly polished. In males of some species, the abdominal dorsum is all or partly silvery, flashing brilliantly as the males dance in the sun. The larvae are saprophagous or coprophagous, and there are numerous rearing records from manure, compost heaps, decaying plants or plant materials, birds' nests, etc. Some species are associated with ants, and at least some of these have been reared from detritus deep in the nests of leaf-cutting ants (*Atta*). Adults of some species have a commensal relationship with predatory insects, riding on them and sucking juices that exude from the victims.

Some species are easily spread in commerce and have become virtually cosmopolitan. Most Neotropical genera are unrevised, and many undescribed species are known in some of them.

References: Curran, 1934 (key to genera); Hennig, 1937 (general, key to genera), 1956 (larvae).

Subfamily CARNINAE

This chiefly Holarctic group is sometimes recognized as a separate family. Ref. — Hennig, 1972 (rev.).

Genus MEONEURA Rondani

MEONEURA Rondani, 1856:128. Type-species, *Agromyza obscurella* Fallén (orig. des.). Ref. — Sabrosky, 1959a (rev.).

POLITA Sabrosky, 1959a:20. Type-locality: U.S.A., Texas, Fort Stockton.
Distr. — Western U.S.A., Mexico (Morelos).
sp. Peru (Sabrosky, 1959a).

Genus NEOMEONEURITES Hennig

- NEOMEONEURITES Hennig, 1972:1. Type-species, *chilensis* Hennig (orig. des.).
CHILENSIS Hennig, 1972:1, figs. 1-9, 13, 16, 19-21. Type-locality: Chile, Santiago Prov., western slopes of Andes, along route between Santiago and Farellones, Farellones, 2950 m. Distr. — Chile (Santiago).

Subfamily MADIZINAE

Genus COSTALIMA Sabrosky

- COSTALIMA Sabrosky, 1953:40. Type-species, *myrmicola* Sabrosky (orig. des.).
MYRMICOLA Sabrosky, 1953:41. Type-locality: Brazil, Minas Gerais, Viçosa. Distr. — ?Panama (Canal Zone), Brazil (Minas Gerais).

Genus DESMOMETOPA Loew

- DESMOMETOPA Loew, 1866:184 (Centuria 6, no. 96). Type-species, *Agromyza m-atrum* Meigen (Hendel, 1903:251) = *sordida* (Fallén).
Platophrymyia Williston, 1896:426. Type-species, *nigra* Williston (mon.).
Platophyrmia (error) Aldrich, 1905:649.
FLAVICOXA Hendel, 1932:143. Type-locality: N. Argentina, Tacaaglé. Distr. — Paraguay, Argentina.
INAURATA Lamb, 1914:363. Type-locality: Seychelles. Distr. — Bahamas, Puerto Rico, Virgin Is., Dominica, El Salvador, also widely recorded in Ethiopian Region, Australia, Samoa, Hawaii.
M-NIGRUM (Zetterstedt), 1848:2743 (*Agromyza*). Type-locality: Sweden. Distr. — Cuba, Dominica, Jamaica, Chile, also virtually cosmopolitan.
PALPALIS Meijere, 1914:251. Type-locality: Java and Sumatra. Distr. — Brazil (São Paulo), Puerto Rico.
SINGAPORENSIS Kertész, 1899:194. Type-locality: Singapore. Distr. — Antigua, Bolivia, Brazil (São Paulo), Chile, Clipperton I., Cuba, Galapagos Is., Mexico (Veracruz), Panama and Canal Zone, Puerto Rico, Virgin Islands, also U.S.A. and widely recorded in Mediterranean Subregion, Africa, the Oriental Region, and Australasia.
TARSALIS Loew, 1866:184 (Centuria 6, no. 96). Type-locality: "Cuba". Distr. — Costa Rica, Dominican Republic, Mexico, Dominica, St. Vincent. *nigra* Williston, 1896:426 (*Platophrymyia*). Type-locality: St. Vincent.

Genus LEPTOMETOPA Becker

- LEPTOMETOPA Becker, 1903:188. Type-species, *rufifrons* Becker (mon.).
Hypaspistomyia Hendel, 1907:240. Type-species, *coquilletti* Hendel (mon.).
Paramadiza Malloch in Melander, 1913b:169 (preocc. Melander, 1913). Type-species, *Desmometopa halteralis* Coquillett (mon.).

Mallochiella Melander, 1913b:169 (nom. nov. for *Paramadiza* Malloch). Type-species, *Desmometopa halteralis* Coquillett (aut.).

HALTERALIS (Coquillett), 1900:267 (*Desmometopa*). Type-locality: Puerto Rico, Utuado. Distr. — Bahamas, Mexico (Veracruz), also U.S.A., southern Canada.

LATIPES (Meigen), 1830:177 (*Agromyza*). Type-locality: Germany. Distr. — Cuba, also widespread, Nearctic and Palearctic Regions, Formosa, Malaya.

Genus MICROSIMUS Aldrich

- MICROSIMUS Aldrich, 1926:2. Type-species, *luteus* Aldrich (orig. des.).
LUTEUS Aldrich, 1926:3. Type-locality: Bolivia, Isiamas.

Genus NEOPHYLLOMYZZA Melander

- NEOPHYLLOMYZZA Melander, 1913a:243. Type-species, *quadricornis* Melander (orig. des.).
MAGNIPALPIS (Williston), 1896:443 (*Phyllomyza*). Type-locality: St. Vincent. *magnipalpus* (error) Melander, 1913a:243.

Genus PARAMYIA Williston

- PARAMYIA Williston, 1897:1. Type-species, *nigra* Williston (mon.).
FUMIPENNIS Malloch, 1934:465. Type-locality: Peru, Iquitos.
NIGRA Williston, 1897:2. Type-locality: Grenada. ? = *nitens*.
NITENS (Loew), 1869:45 (Centuria 8, no. 82) (*Phyllomyza*). Type-locality: U.S.A., Pennsylvania. Distr. — Mexico (Nayarit), also U.S.A., southern Canada. Recorded s. to Chile and s. Brazil.

Genus PHYLLOMYZA Fallén

- PHYLLOMYZA Fallén, 1810:20. Type-species, *securicornis* Fallén (sub. mon., Fallén, 1823:8).
Undescribed spp. Colombia, Costa Rica, Panama and Canal Zone, Trinidad.

Genus STOMOSIS Melander

- STOMOSIS Melander, 1913a:242. Type-species, *Desmometopa luteola* Coquillett (orig. des.) = *innominata* (Williston).
Siphonomyiella Frey, 1919 (?1918):16. Type-species, *rufula* Frey (orig. des.). Ref. — Sabrosky, 1958 (key).
INNOMINATA (Williston), 1896:443 (*Agromyza*). Type-locality: St. Vincent. Distr. — Colombia, Costa Rica, El Salvador, Honduras, Mexico (Chiapas), Panama and Canal Zone, Trinidad, also Arizona.
luteola Coquillett, 1902:188 (*Desmometopa*). Type-locality: U.S.A., Arizona, Williams.

RUFULA (Frey), 1919 (?1918):18 (*Siphonomyiella*). Type-locality: Brazil, Rio de Janeiro.

Subfamily MILICHIINAE

Genus ECCOPTOMMA Becker

ECCOPTOMMA Becker, 1907:540. Type-species, *frontale* Becker (Malloch, 1934:463). Ref. — Becker, 1907 (key).

CONCAVUM Becker, 1907:541. Type-locality: Chile, Santiago.

FRONTALE Becker, 1907:542. Type-locality: Chile, Coronel. Distr. — Argentina, Chile (Valparaiso).

MONTANUM Becker, 1907:541. Type-locality: Chile, Peru, Cuzco, and Bolivia, Sorata.

Genus MILICHIA Meigen

MILICHIA Meigen, 1830:131. Type-species, *speciosa* Meigen (Westwood, 1840:151).

AETHIOPS Malloch, 1913:133. Type-locality: U.S.A., Texas, Harlingen. Distr. — Mexico (Baja California, Nuevo Leon, Zacatecas).

Genus MILICHIELLA Giglio-Tos

MILICHIELLA Giglio-Tos, 1895:367. Type-species, *Tephritis argentea* Fabricius (mon.; misident.) = *tosi* Becker. A case of misidentified type-species that should be submitted to the Commission.

Ophthalmomyia Williston, 1896:426. Type-species, *Lobioptera lacteipennis* Loew (mon.).

Ref. — Becker, 1907 (partial key).

ABERRATA Becker, 1907:538. Type-locality: Bolivia, Sorata, and Peru, Rosalina, Rio Urubamba.

ARGENTEOCINCTA Johnson, 1919:449. Type-locality: Jamaica, Kingston.

BISIGNATA Melander, 1913a:239. Type-locality: U.S.A., New Jersey, Riverton. Distr. — Costa Rica, Mexico (Hidalgo). ? = *lucidula* Becker.

CINEREA (Coquillett), 1900:268 (*Ophthalmomyia*). Type-locality: Puerto Rico, Bayamon. Distr. — "Santo Domingo, West Indies".

CINGULATA Becker, 1907:538. Type-locality: Peru, Pichis, Puerto Bermúdez.

DIMIDIATA (Wiedemann), 1830:597 (*Chlorops*). Type-locality: Surinam. Unrecognized.

FLAVIPALPIS Hendel, 1932:142. Type-locality: Bolivia, San José de Chiquitos. Distr. — Argentina (Misiones).

LACTEIPENNIS (Loew), 1866:185 (Centuria 6, no. 97) (*Lobioptera*). Type-locality: Cuba. Distr. — Brazil, Chile (Angol, Valparaiso), Costa Rica, Dominica, Grenada, Hispaniola, Jamaica, Mexico (Jalisco), Nicaragua, Panama, Peru, Puerto Rico, St. Vincent, Venezuela, Virgin Is. (St. Thomas), also virtually cosmopolitan.

LUCIDULA Becker, 1907:537. Type-locality: Peru, Callanga, and Bolivia, Sorata.

NITIDA (Walker), 1836:359 (*Gymnopa*). Type-locality: Brazil, "St. Catherine's". N. COMB.

NUDIVENTRIS Becker, 1907:537. Type-locality: Bolivia, Mapiri Sarampiuni, 700 m.

TRICINCTA Becker, 1907:540. Type-locality: Chile, Arica.

VELUTINA Becker, 1907:539. Type-locality: Peru, Rosalina, Rio Urubamba.

VIDUA Becker, 1907:539. Type-locality: Peru, Rio Urubamba, Umahuankiali.

Genus PHOLEOMYIA Bilimek

PHOLEOMYIA Bilimek, 1867:903. Type-species, *leucozona* Bilimek (mon.).

Rhynchomilichia Hendel, 1903:250. Type-species, *Lobioptera argyrophenga* Schiner (orig. des.; misident.) = *schineri* Hendel.

Paramilichia Malloch, 1913:135. Type-species, *Milichia longiseta* Becker (mon.). Refs. — Becker, 1907 (partial key, as *Rhynchomilichia*).

Sabrosky, 1959b (key, N. Amer. spp.).

AEQUATORIALIS Séguy, 1934:14. Type-locality: Ecuador, El Napo.

ANOMALA Hendel, 1933:82. Type-locality: Brazil, Soledade.

ANTHRACINA (Becker), 1907:525 (*Rhynchomilichia*). Type-locality: Paraguay, Asunción.

ARGYRATA Hendel, 1932:137. Type-locality: N. Argentina, Tapikiolé.

ARGYROPHENGA (Schiner), 1868:291 (*Lobioptera*). Type-locality: "South America". Distr. — Bolivia, Peru.

argyrocephala (error) Hendel, 1932:135.

argyrogastra (error) Hendel, 1932:135.

DAMPFI Sabrosky, 1959b:328. Type-locality: Guatemala, Petén, Caves of Jobitzinal near Flores. Distr. — Mexico (Tabasco).

EXCELSIOR (Becker), 1907:526 (*Rhynchomilichia*). Type-locality: Bolivia, Mapiri, Sarampiuni, 700 m.

FASCIVENTRIS (Becker), 1907:528 (*Rhynchomilichia*). Type-locality: Bolivia, Mapiri, Sarampiuni, 700 m.

HURDI Sabrosky, 1959b:324. Type-locality: Mexico, Nayarit, Ahuacatlan. Distr. — Mexico (Nuevo Leon, Jalisco).

indecora (Loew). Not Neotropical. Published records refer to *myopa* or *politifacies*.

INSECTA (Becker), 1907:527 (*Rhynchomilichia*). Type-locality: Bolivia, Mapiri, S. Carlos, 800 m.

LATIFRONS Sabrosky, 1959b:321. Type-locality: Bahamas, Eleuthera I., Governor's Harbor. Distr. — Bahamas, ? Cuba.

LEUCOGASTRA (Loew), 1861:43 (*Milichia*). Type-locality: Cuba. Distr. — Mexico (Guerrero, Jalisco, Morelos), St. Vincent.

- LEUCOZONA Bilimek, 1867:903. Type-locality: Mexico, cave Cacahuamilpa.
cacahuamilpensis Herrera, 1892:272 (unnecessary nom. nov.). Type-locality: Mexico, cave Cacahuamilpa.
- LONGIFACIES Hendel, 1933:81. Type-locality: Brazil, and Paraguay, San Bernardino.
- LONGISETA (Becker), 1907:530 (*Milichia*). Type-locality: Paraguay, Asunción. Distr. — Argentina (Chaco, Formosa), Nicaragua.
- MYOPA Melander, 1913a:238. Type-locality: "Hayti". Distr. — Bahamas, Bolivia, Brazil (Mato Grosso, Pará), Costa Rica, Cuba, Dominica, Dominican Republic, Mexico (Tabasco), Panama Canal Zone, Puerto Rico, Trinidad, Venezuela, also Florida.
- PALPARIS (Becker), 1907:524 (*Rhynchomilichia*). Type-locality: Paraguay, Asunción.
- PECTORALIS Hendel, 1932:138. Type-locality: Bolivia, Villa Montes.
- POLITIFACIES Sabrosky, 1959b:323. Type-locality: Dominican Republic, Prov. Trujillo, Cambito. Distr. — Barbados, Brazil (Pará), Colombia, Costa Rica, Dominica, El Salvador, Mexico (Jalisco, Morelos, Tabasco, Tamaulipas), Panama Canal Zone, Puerto Rico (Vieques I.), Trinidad, also Society Is. (Tahiti) and Central Africa.
- PRAEOCELLARIS Hendel, 1932:139. Type-locality: Bolivia, Villa Montes.
- PRAESECTA (Becker), 1907:525 (*Rhynchomilichia*). Type-locality: Peru, mouth of Rio Pachitea. ? = *leucozona*.
- PROMINENS (Becker), 1907:526 (*Rhynchomilichia*). Type-locality: Peru, Chanchamayo, and Bolivia, Mapiri, Sarampiuní, 700 m.
- QUADRIFASCIATA Hendel, 1932:139. Type-locality: Bolivia, Esmeralda, Rio Pilcomayo.
- SCHINERI (Hendel), 1932:136 (*Rhynchomilichia*). Type-locality: "Brazil". Distr. — Argentina, Brazil (Mato Grosso, Santa Catarina), Paraguay.
argyrophenga Schiner of Hendel, 1903, and Becker, 1907 (misident.).
- SORORCULA (Becker), 1907:521 (*Rhynchomilichia*). Type-locality: "Bolivia, Peru".

Genus PSEUDOMILICHIA Becker

- PSEUDOMILICHIA Becker, 1907:542. Type-species, *schmusei* Becker (Hendel, 1932:135).
- Macromilichia* Hendel, 1932:140. Type-species, *nigricosta* Hendel (orig. des.).
- IMPLICATA Becker, 1907:543. Type-locality: Peru, Pichis, Puerto Bermúdez.
- SCHMUSEI Becker, 1907:543. Type-locality: Peru, Meshagua, and Bolivia, Mapiri, San Antonio.
nigricosta Hendel, 1932:142 (*Macromilichia*). Type-locality: Bolivia, "El Cairo", northwest of Santa Cruz de la Sierra.

Genus ULIA Becker

- ULIA Becker, 1907:544. Type-species, *poecilogastra* Becker (mon.).
- POECHLOGASTRA Becker, 1907:544. Type-locality: Peru, Pichis and Rosalina. Distr. — Bolivia, Costa Rica.

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nigricosta (Hendel), 1932 (Macromilichia), Pseudomilichia	75.6
nitens (Loew), 1869 (Phyllomyza), Paramyia	75.3
nitida (Walker), 1836 (Gymnopa), Milichiella	75.5
nudiventris Becker, 1907, Milichiella	75.5
Ophthalmomyia Williston, 1896	75.4
palpalis Meijere, 1914, Desmometopa	75.2
palparis (Becker), 1907 (Rhynchomilichia), Pholeomyia	75.6
Paramadiza Malloch, 1913	75.2
Paramilichia Malloch, 1913	75.5
Paramyia Williston, 1897	75.3

pectoralis Hendel, 1932, Pholeomyia	75.6
Pholeomyia Bilimek, 1867	75.5
Phyllomyza Fallén, 1810	75.3
<i>Platophrymyia</i> Williston, 1896	75.2
<i>Platophrymyia</i> Aldrich, 1905 (error)	75.2
poecilogastra Becker, 1907, Ulia	75.7
polita Sabrosky, 1959, Meoneura	75.1
politifacies Sabrosky, 1959, Pholeomyia	75.6
praecellaris Hendel, 1932, Pholeomyia	75.6
praesecta (Becker), 1907 (Rhynchomilichia), Pholeomyia	75.6
prominens (Becker), 1907 (Rhynchomilichia), Pholeomyia	75.6
Pseudomilichia Becker, 1907	75.6
quadrifasciata Hendel, 1932, Pholeomyia	75.6
<i>Rhynchomilichia</i> Hendel, 1903	75.5
rufula (Frey), 1919 (Siphonomyiella), Stomosis	75.4
schineri (Hendel), 1932 (Rhynchomilichia), Pholeomyia	75.6
schnusei Becker, 1907, Pseudomilichia	75.6
singaporensis Kertész, 1899, Desmometopa	75.2
<i>Siphonomyiella</i> Frey, 1919	75.3
sororcula (Becker), 1907 (Rhynchomilichia), Pholeomyia	75.6
sp., Meoneura	75.1
sp., Phyllomyza	75.3
Stomosis Melander, 1913	75.3
tarsalis Loew, 1866, Desmometopa	75.2
tricincta Becker, 1907, Milichiella	75.5
Ulia Becker, 1907	75.7
velutina Becker, 1907, Milichiella	75.5
vidua Becker, 1907, Milichiella	75.5