

75. Family MILICHIIDAE

by

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Milichiid flies are small and inconspicuous, usually black, often dull or subshining but sometimes highly polished. Males of some species have the abdominal dorsum all or partly silvery and flash brilliantly as they 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 and birds' nests. Some species are associated with ants, and some of these have been reared from detritus deep in the nests of leaf-cutting ants (genus *Atta* Fabricius). Adults of some species have a commensal relationship with predatory insects, riding on them and sucking the juices that exude from the prey. Some members of the family are easily spread by commerce and have become virtually cosmopolitan. An account of larvae of milichiids has been given by Hennig (1956).

Nearly fifty species are known from the Afrotropical Region, but no complete work upon them is yet available. Steyskal (1968) has provided a key to genera, Sabrosky (1958) gives keys to some Afrotropical species of *Desmometopa* and *Milichiella*, and Hennig (1937d) has given a useful general account of the family.

Subfamily MADIZINAE

Genus ALDRICHIOMYZA Hendel

ALDRICHIELLA Hendel, 1911: 35. Type-species: *Aldrichiella agromyzina* Hendel, 1911, by original designation. [Junior homonym, preocc. *Aldrichiella* Vaughan, 1903.]

ALDRICHIOMYZA Hendel, 1914: 73 (replacement name for *Aldrichiella* Hendel).

ALDRICHOMYZA. Incorrect subsequent spelling of *Aldrichiomyza*.

longirostris Hendel, 1931b: 71. Egypt & Sudan.

Genus DESMOMETOPA Loew

DESMOMETOPA Loew, 1866a: 184, 185 [1872b: 58]. Type-species: *Agromyza m-atrum* Meigen, 1830 [= *Madiza sordida* Fallén, 1820], by designation of Hendel (1903b: 251).

inaurata Lamb, 1914: 363. Seychelles; widespread W. Afr. to n.-e. Afr., E. Afr., sthn Afr., Zaire, Mauritius, Rodriguez, also Hawaii, southwestern Pacific islands, Australia, Neotrop. Reg.

interfrontalis Sabrosky, 1965a: 3. Tanzania; Cameroun, Ivory Coast, Liberia, Namibia, Nigeria, Uganda.

microps Lamb, 1914: 364. Seychelles; widespread Oriental Reg. from Pakistan & Nepal to Java, Japan & Guam.

m-nigrum Zetterstedt, 1848: 2743 (*Agromyza*). Sweden; widespread Afrotrop. Reg. (incl. Cape Verde Is, Madagascar, Rodriguez, St Helena, Seychelles, Yemen), Egypt, almost cosmopolitan.

niloticum Becker, 1903: 188. Egypt ('Nilthal').

semiaurata Sabrosky, 1958: 4. Tanzania; ? Cameroun, Liberia, Uganda.

singaporensis Kertész, 1899: 194. Singapore; Ivory Coast, Nigeria, Seychelles, Uganda, widespread Oriental Reg. & Pacific islands.

palpalis de Meijere, 1914: 251. Java & Sumatra.

sordida Fallén, 1820a: 10 (*Madiza*). Sweden; Cameroun, ? Kenya, Tanzania, N. Afr., widespread Europe, N. Amer.

m-atrum Meigen, 1830: 170 (*Agromyza*). [Germany.]

varipalpis Malloch, 1927b: 7. Australia; widespread Afrotrop. Reg. from Ghana to n.-e. Afr., E. Afr. & Zaire, Ascension I., South Yemen, Yemen, widespread Middle East, Oriental Reg., Hawaii, N. Amer., S. Amer.

niloticum de Meijere (1906), not Becker (misident.).

singaporensis, authors, not Kertész (misident.).

tarsalis, authors, not Loew (misident.).

Genus LEPTOMETOPA Becker

LEPTOMETOPA Becker, 1903: 188. Type-species: *Leptometopa rufifrons* Becker, 1903, by monotypy.

HYPASPISTOMYIA Hendel, 1907: 240. Type-species: *Hypaspistomyia coquilletti* Hendel, 1907, by monotypy.

RHYNCHOMADIZA Enderlein, 1934a: 427. Type-species: *Rhynchomadiza flaviceps* Enderlein, 1934, by original designation.

albipennis Lamb, 1914: 366 (*Madiza*). Seychelles. Comb. n.

coquilletti Hendel, 1907: 241 (*Hypaspistomyia*). South Yemen; Sudan.

flaviceps Enderlein, 1934a: 427 (*Rhynchomadiza*). Namibia.

latipes Meigen, 1830: 177 (*Agromyza*). Germany; Cape Verde Is, South Africa, Sudan, Yemen, widespread Palearctic & Nearctic Regs.

rufifrons Becker, 1903: 188. Egypt; Namibia, South Africa, South Yemen, Canary Is, widespread Mediterranean subregion, Central Asia.

Genus LITOMETOPA Sabrosky

LITOMETOPA Sabrosky, 1965a: 4. Type-species: *Litometopa glabrifrons* Sabrosky, 1965, by original designation.

glabrifrons Sabrosky, 1965a: 4. Tanzania.

Genus NEOPHYLLOMYZA Melander

NEOPHYLLOMYZA Melander, 1913a: 243. Type-species: *Neophyllomyza quadricornis* Melander, 1913, by original designation.

approximatonervis Lamb, 1914: 365 (*Desmometopa*). Seychelles.

inimica Séguéy, 1938j: 364. Kenya.

Genus PARAMYIA Williston

PARAMYIA Williston, 1897: 1. Type-species: *Paramyia nigra* Williston, 1897, by monotypy.

Unidentified sp.—Rhodesia.

Genus PHYLLOMYZA Fallén

PHYLLOMYZA Fallén, 1810a: 20. Type-species: *Phyllomyza securicornis* Fallén, 1823, by subsequent monotypy (Fallén, 1823a: 8).

fuscogrisea Séguéy, 1933c: 50 (*Neophyllomyza*). Mozambique. Comb. n.

Genus **STOMOSIS** Melander

STOMOSIS Melander, 1913a: 242. Type-species: *Desmometopa luteola* Coquillett, 1902 [= *Stomosis inominata* Williston, 1896], by original designation.
Unidentified sp.—Nigeria.

Subfamily **MILICHIINAE**Genus **MILICHIA** Meigen

MILICHIA Meigen, 1830: 131. Type-species: *Milichia speciosa* Meigen, 1830, by designation of Westwood (1840: 151).
apicalis Sabrosky, 1965a: 1. Tanzania.
argyratoides Collin, 1922a: 510. Nigeria.
brevifacialis Deeming, 1976b: 38. Nigeria.
cornesi Deeming, 1976b: 37. Nigeria.
dectes Collin, 1922a: 514. Nigeria.
farquharsoni Collin, 1922a: 514. Nigeria; Ivory Coast.
formicophila Deeming, 1976b: 39. Nigeria.
ilaroensis Deeming, 1976b: 38. Nigeria.
integra Becker, 1922b: 71. Sudan; ? Rhodesia.
mediocris Sabrosky, 1958: 1. Somalia.
patrizii Hennig, 1952b: 612. Kenya.
proectes Collin, 1922a: 512. Nigeria.
prosaetes Collin, 1922a: 513. Nigeria.
pubescens Becker, 1907d: 519. Canary Is & Egypt; ? Sudan.
superba Lamb, 1914: 359. Seychelles.

Genus **MILICHIELLA** Giglio-Tos

MILICHIELLA Giglio-Tos, 1895: 367. Type-species: *Tephritis argentea* Fabricius, 1805, sensu Giglio-Tos [misident., = *Milichiella tosi* Becker, 1907], by monotypy.
ECCOPTOMMA Becker, 1907d: 540. Type-species: *Eccoptomma frontale* Becker, 1907, by designation of Malloch (1934c: 463). **Syn. n.**
PARECCOPTOMMA Duda, 1935a: 25 (as subgenus of *Milichia*). Type-species: *Milichia nigeriae* Duda, 1935, by original designation. **Syn. n.**
acrosticalis Sabrosky, 1958: 2 (*Eccoptomma*). Tanzania; Kenya. **Comb. n.**
argentiventris Hendel, 1931b: 72. Sudan; ? Cape Verde Is.
lacteipennis Loew, 1866a: 185 [1872b: 59] (*Lobioptera*). Cuba; widespread Afrotrop. Reg. (incl. Ascension I., Cape Verde Is, Madagascar, Réunion, St Helena, Seychelles), almost cosmopolitan.
albohalterata Séguy, 1933c: 50 (*Milichia*). *Nomen nudum* (attrib. Becker).
melaleuca Loew, 1863a: 16 (*Argyrites*). South Africa; ? Zambia.
argentea, authors, not Fabricius (misident.).
nigeriae Duda, 1935a: 26 (*Milichia*). Nigeria. **Comb. n.**
parva Macquart, 1843: 426 (269) (*Milichia*). Réunion.
pseudodectes Séguy, 1933c: 50 (*Milichia*). Mozambique. **Comb. n.**
solitaria Lamb, 1914: 361 (*Eccoptomma*). Seychelles. **Comb. n.**
tosi Becker, 1907d: 536. Seychelles; ? Rhodesia, ? Zambia.
argentea, Giglio-Tos, not Fabricius (misident.).
tristis Lamb, 1914: 360. Seychelles.
unicolor de Meijere, 1906: 333 (*Milichia*). Cameroun.

Genus **PHOLEOMYIA** Bilimek

PHOLEOMYIA Bilimek, 1867: 903. Type-species: *Pholeomyia leucozona* Bilimek, 1867, by monotypy.
politifacies Sabrosky, 1959a: 323. Dominican Republic; Cameroun, Ghana, Ivory Coast, Nigeria, Society Is, West Indies, Central Amer., nthn S. Amer.