

51. Family SYRPHIDAE

By F. Christian Thompson & J.R. Vockeroth

Adults of the family Syrphidae, commonly called flower or hover flies, are rather conspicuous. Their size ranges from 4 mm to over 25 mm and their coloration from bright yellow or orange to dull dark black or gray with a few iridescent forms. Many syrphid flies are Batesian mimics of stinging Hymenoptera. Flower flies, as their name implies, are abundant on flowers, which are used as mating sites and energy sources. Only the microdontines are not found associated with flowers, but rather with their ant hosts.

Immature stages are found in a diverse array of habitats. Larvae of the subfamily Microdontinae are inquilines in ants' nests. Those of Syrphinae are predaceous on soft-bodied arthropods, although some may occasionally be scavengers. Those of Eristalinae can be predaceous (Pipizini), saprophagous in litter and dead wood (most Milesiini), coprophagous (some Rhingiini and Milesiini), mycetophagous (some Rhingiini), phytophagous (as borers in tubers, stems, and wood, and miners in leaves: most Rhingiini, Merodontini, some Brachyopini), aquatic filter feeders (the rat-tailed maggots, mainly Eristalini and some Brachyopini and Milesiini), or specialized inquilines in social insect nests of termites, wasps, and bees (some Volucellini and Merodontini).

The economic importance of flower flies is great. Adults are pollinators of major significance.

In some agroecosystems (orchards), they out-perform native bees in pollinating crops. Larvae of the subfamily Syrphinae are important predators of many pests such as aphids, scales, thrips, and caterpillars and are rivaled only by lady-bird beetles (coccinellids) and lacewings (chrysopids) as predators useful for biological control. Some flower flies, however, are detrimental. Larvae of a few species (*Merodon*, *Eumerus*) attack bulbs and tubers of ornamentals and vegetables. Finally, a few species have been recorded as causing accidental myiasis in man.

Flower flies are abundant everywhere except in arid areas of the Old World and in the extreme southern latitudes. Although flower flies range to high latitudes in the north, they are absent from subantarctic islands and Antarctica.

Fossil Syrphidae have been studied (Hull 1945a, 1949a), but no fossils are known from the Australasian/Oceanian Regions.

The literature on the flower flies of these regions is diffuse. There are no monographic studies and only a few revisions of limited areas or genera, but flower flies are included in numerous locality lists. Recent and major works on flower flies are few and are primarily restricted to systematics. No comprehensive work on the biology of these flies has ever been published. Gilbert (1986) provided an excellent introduction, which will serve as a substitute until his book is published.

Subfamily MICRODONTINAE

Genus MICRODON Meigen

MICRODON Meigen, 1803: 275. Type species: *Musca mutabilis* Linnaeus, 1758, mon.

BARDISTOPHUS Mann, 1920: 61. Type species: *Bardistophus papuanum* Mann, 1920, orig. des.

OLIGERIOPS Hull, 1937: 26. Type species: *Microdon chalybeus* Ferguson, 1926, orig. des.

CERVICORNIPHORA Hull, 1945a: 75 (*Microdon* subg.). Type species: *Microdon alcornis* Ferguson, 1926, orig. des.

TANAOPICERA Hull, 1945a: 76 (*Microdon* subg.). Type species: *Ceratophya variegatus* Walker, 1852, orig. des.

alcornis Ferguson, 1926a: 171. Australia (NSW); Australia (Qld, Tas).

amabilis Ferguson, 1926a: 175. Australia (Qld).

- apicalis** Walker, 1858*b*: 94. Indonesia (Maluku).
barringtonensis Ferguson, 1926*a*: 180. Australia (NSW).
boharti Curran, 1947*b*: 2. Solomon Is.
brachycerus Knab & Malloch, 1912: 235. Australia (Tas); Australia (ACT, NSW, Qld).
browni Thompson, 1968: 44. Australia (SA).
chalybeus Ferguson, 1926*a*: 176. Not given [Australia]; Australia (ACT, Qld, Tas, Vic).
daveyi Knab & Malloch, 1912: 233. Australia (Vic).
dimorphon Ferguson, 1926*a*: 177. Australia (WA); Australia (Qld, SA).
fergusoni Goot, 1964: 220 (n. n. for *modestus* Ferguson). Australia (Qld); Australia (ACT, NSW, Tas, WA).
 modestus Ferguson, 1926*a*: 179. Australia (Qld). [Preocc. Knab, 1917.]
 fergusoni Thompson, 1968: 44 (n. n. for *modestus* Ferguson). [Preocc. Goot, 1964.]
fulvicornis Walker, 1858*b*: 94. Indonesia (Maluku).
gayi Paramonov, 1957*b*: 814. Australia (NSW); Australia (ACT).
grageti de Meijere, 1908*b*: 207. Indonesia (Irian Jaya).
hardyi Ferguson, 1926*a*: 171. Australia (Tas); Australia (ACT, Qld).
incisuralis Walker, 1865*b*: 113 (*Paragus*). "New Guinea" [= Indonesia (Irian Jaya)].
indicus Doleschall, 1857: 404 (*Ceratophya*). Indonesia (Maluku); Indonesia (Nusa Tenggara).
iridomyrmex Shannon, 1927*c*: 85. Australia (WA); Australia (Tas).
limbinervis de Meijere, 1908*b*: 208. PNG (PNG).
luctiferus Walker, 1865*b*: 113 (*Paragus*). "New Guinea" [= Indonesia (Irian Jaya)].
macquariensis Ferguson, 1926*a*: 174. Australia (NSW).
moestus Ferguson, 1926*b*: 518. Australia (Tas).
nicholsoni Ferguson, 1926*a*: 173. Australia (NSW).
nigromarginalis Curran in Curran & Bryan, 1926: 132. Australia (Qld).
novaeguinea de Meijere, 1908*b*: 206. PNG (PNG).
obscurus Wulp, 1898*a*: 421. PNG (PNG).
occidentalis Ferguson, 1926*a*: 176. Australia (WA).
odyneroides de Meijere, 1908*b*: 213. PNG (PNG).
omeanus Paramonov, 1957*b*: 813. Australia (Vic); Australia (Tas).
papuanum Mann, 1920: 61 (*Bardistophus*). Solomon Is.
papuanus Doesburg, 1959: 234. Indonesia (Irian Jaya).
petiolata Hull, 1944*b*: 248. Australia (Tas).
pictipennis Macquart, 1850: 433(129) (*Aphritis*). Australia (Tas).
pictulipennis Hull, 1944*b*: 249. Australia (Tas).
praetermissus Ferguson, 1926*a*: 182. Australia (SA).
purpurescens Shiraki, 1963: 147. Micronesia.
rieki Paramonov, 1957*b*: 815. Australia (Qld).
sharpii Mik, 1900: 148 (n. n. for *pictipennis* Sharp). PNG (Bismarck Arch).
 pictipennis Sharp, 1899: 390. PNG (Bismarck Arch). [Preocc. Macquart, 1850.]
tabanoides Hull, 1944*b*: 246. Australia (Vic).
tuberculatus de Meijere, 1913*a*: 359. Indonesia (Irian Jaya).
variegatus Walker, 1852: 220 (*Ceratophya*). Australia (NSW); Australia (Qld, SA, Vic).
 aphritinus Thomson, 1869: 491 (*Mixogaster*). Australia (NSW).
venosus Walker, 1865*b*: 112 (*Paragus*). "New Guinea" [= Indonesia (Irian Jaya)].
vespiformis de Meijere, 1908*b*: 210. Indonesia (Java); Indonesia (Maluku); Malaysia (Pen).
vittatus Macquart, 1850: 433(129) (*Aphritis*). Australia (Tas); Australia (ACT, NSW, Vic).
 transiens Walker, 1852: 225 (*Eumerus*). Australia (NSW).
 pachypus Bigot, 1884*b*: 541 (*Paragus*). Australia (NSW).
waterhousei Ferguson, 1926*a*: 174. Australia (NSW).

Genus PARAMICRODON de Meijere

PARAMICRODON de Meijere, 1913*a*: 359. Type species: *Paramicrodon lorentzi* de Meijere, 1913, mon.

SYRPHINELLA Hervé-Bazin, 1926: 73. Type species: *Syrphinella miranda* Hervé-Bazin, 1926, mon. *lorentzi* de Meijere, 1913a: 360. Indonesia (Irian Jaya). *toxopei* de Meijere, 1929a: 379 [1929b: 410]. Indonesia (Maluku).

Genus PARAMIXOGASTER Brunetti

PARAMIXOGASTER Brunetti, 1923b: 319. Type species: *Mixogaster vespiformis* Brunetti, 1923, orig. des. *wegneri* Keiser, 1964: 84. Indonesia (Maluku).

Subfamily SYRPHINAE

Tribe BACCHINI

Genus MELANOSTOMA Schiner

PLESIA Macquart, 1850: 460(156). Type species: *Plesia fasciata* Macquart, 1850, orig. des. [Preocc. Jurine, 1807.]

MELANOSTOMA Schiner, 1860b: 213. Type species: *Musca mellina* Linnaeus, 1758, orig. des. *apicale* Bigot, 1884c: 85. New Caledonia (New Caledonia); Australia, Fiji, PNG (PNG), "Samoa," Solomon Is, Tonga.

?rufiventris Macquart, 1850: 454(150) (*Syrphus*). Australia, "côte orientale."
univittatum, authors, not Wiedemann, 1824, misid.

fasciatum Macquart, 1850: 461(157) (*Plesia*). NZ (NZ).

apertum Hutton, 1901: 42. NZ (NZ).

scalare, Miller, 1950, not Fabricius, 1794, misid.

univittatum Wiedemann, 1824: 36 (*Syrphus*). "Ind. Or."; ?Australia, Indonesia (Maluku); Japan, widesp. SE Asia.

cyathifer Walker, 1857: 125 (*Syrphus*). Malaysia (Sarawak). **N. syn.**

Genus PLATYCHEIRUS Lepeletier & Serville

PLATYCHEIRUS Lepeletier & Serville in Latreille *et al.*, 1828: 513. Type species: *Syrphus scutatus* Meigen, 1822, des. Westwood, 1840: 137.

Subgenus CARPOSCALIS Enderlein

CARPOSCALIS Enderlein, 1938a: 199 (as gen.). Type species: *Syrphus stegnus* Say, 1829, orig. des. *stegnus* Say, 1829: 163 (*Syrphus*). Mexico; Hawaiian Is [introduced; not established]; Canada S to Mexico.

Subgenus EOCHEILOSIA Hull

EOCHEILOSIA Hull, 1949a: 327 (*Cheilosia* subg.). Type species: *Cheilosia ronana* Miller, 1921, orig. des.

antipoda Hull, 1949b: 740 (*Cheilosia*). NZ (NZ).

capitalis Miller, 1924b: 282 (*Cheilosia*). NZ (NZ).

clarkei Miller, 1921b: 310. NZ (NZ).

clarkii, error for *clarkei*.

cunninghami Miller, 1921b: 299 (*Cheilosia*). NZ (NZ).

fulvipes Miller, 1924b: 282 (*Cheilosia*). NZ (NZ).

milleri Hull, 1949b: 742 (*Cheilosia*). NZ (NZ).

harrisi Miller, 1921b: 301 (*Syrphus*). NZ (NZ).

howesii Miller, 1921b: 298 (*Cheilosia*). NZ (NZ).

huttoni Thompson, n. n. NZ (NZ).

- milleri* Thompson, 1972c: 77. NZ (NZ). [Preocc. Hull, 1949.]
leptispermi Miller, 1921b: 297 (*Cheilosia*). NZ (NZ).
lignudus Miller, 1921b: 309. NZ (NZ).
myersii Miller, 1924b: 281 (*Paragus*). NZ (NZ).
notatus Bigot, 1884b: 554 (*Chrysogaster*). NZ (NZ).
ronanus Miller, 1921b: 300 (*Cheilosia*). NZ (NZ).

Genus XANTHANDRUS Verrall

- XANTHANDRUS** Verrall, 1901: 316. Type species: *Musca comtus* Harris, 1780, des. Coquillett, 1910: 620.
agrolas Walker, 1849: 585 (*Syrphus*). Australia (Tas); Australia (ACT, NSW, Qld, WA).
propinquus Macquart, 1850: 454(150) (*Syrphus*). Australia (Tas).
expositus Walker, 1852: 233 (*Syrphus*). Australia (Tas).
ruficorne Bigot, 1884c: 83 (*Melanostoma*). "Australie."
bicinctus de Meijere, 1929a: 384 [1929b: 414] (*Melanostoma*). Indonesia (Maluku). N. comb.

Tribe TOXOMERINI

Genus TOXOMERUS Macquart

- TOXOMERUS** Macquart, 1855: 93(73). Type species: *Toxomerus notatus* Macquart, 1855 [= *Scaeva geminatus* Say, 1823], orig. des.
MESOGRAMMA Loew, 1866a: 157 [1872b: 31]. Type species: *Mesogramma parvula* Loew, 1866, des. Williston, 1887: 98.
marginatus Say, 1823: 92 (*Scaeva*). USA; Hawaiian Is [introduced]; Canada to C. Am.

Tribe PARAGINI

Genus PARAGUS Latreille

- PARAGUS** Latreille, 1804: 194. Type species: *Syrphus bicolor* Fabricius, 1794, mon.

Subgenus PANDASYOPHTHALMUS Stuckenberg

- PANDASYOPHTHALMUS** Stuckenberg, 1954: 100. Type species: *Paragus longiventris* Loew, 1858, orig. des.
atratus de Meijere, 1906b: 85. Indonesia (Irian Jaya).
politus Wiedemann, 1830a: 89. China; Australia (Qld); Philippines.

Subgenus PARAGUS Latreille

- PARAGUS** Latreille, 1804: 194 (as gen.). Type species: *Syrphus bicolor* Fabricius, 1794, mon.
crenulatus Thomson, 1869: 503. China; Australia (NT, Qld); widesp. Oriental Reg.

Tribe SYRPHINI

Genus ALLOBACCHA Curran

- ALLOBACCHA** Curran, 1928: 251 (*Baccha* subg.). Type species: *Baccha rubella* Wulp, 1898, orig. des.

Subgenus ALLOBACCHA Curran

- ALLOBACCHA** Curran, 1928: 251 (*Baccha* subg.). Type species: *Baccha rubella* Wulp, 1898, orig. des.
apicalis Loew, 1858c: 106 (*Baccha*). Japan; Bonin Is.

- basalis** Walker, 1861*b*: 239 (*Baccha*). Indonesia (Irian Jaya).
bergi Curran, 1947*b*: 6 (*Baccha*). Solomon Is.
incisa Walker, 1861*d*: 285 (*Baccha*). Indonesia (Irian Jaya).
meijerei Kertész, 1913*b*: 278 (*Baccha*). Indonesia (Java); Indonesia (Maluku); Taiwan to Philippines, S to Indonesia (Nusa Tenggara).
monobia Terry, 1905: 179 (*Baccha*). Australia (Qld).
mundulosa Curran, 1947*b*: 5 (*Baccha*). Solomon Is.
perpallida Curran, 1947*b*: 7 (*Baccha*). Solomon Is.
pulchrifrons Austen, 1893: 139 (*Baccha*). Sri Lanka; Indonesia (Maluku).
purpuricola Walker, 1859*a*: 129 (*Baccha*). Indonesia (Maluku); PNG (PNG).
refulgens Austen, 1893: 128 (*Baccha*). Indonesia (Maluku).
rubella Wulp, 1898*a*: 423 (*Baccha*). PNG (PNG); Indonesia (Maluku).
sapphirina Wiedemann, 1830*a*: 96 (*Baccha*). "Ostindien"; PNG (PNG); Africa to Taiwan.
siphanticida Terry, 1905: 177 (*Baccha*). Australia (Qld).

Unplaced species of *Allobaccha* Curran

- annulifemur** de Meijere, 1929*a*: 384 [1929*b*: 414] (*Baccha*). Indonesia (Maluku).
atra Doesburg, 1959: 232 (*Baccha*). Indonesia (Irian Jaya).
denhoedi Doesburg, 1959: 232 (*Baccha*). Indonesia (Irian Jaya).
flavipes Doesburg, 1959: 232 (*Baccha*). Indonesia (Irian Jaya).
loriae de Meijere, 1908*b*: 324 (*Baccha*). PNG (PNG).
moluccana Doleschall, 1857: 412 (*Baccha*). Indonesia (Maluku).
mundula Wulp, 1898*a*: 423 (*Baccha*). Indonesia (Maluku).
pallida de Meijere, 1908*b*: 322 (*Baccha*). PNG (PNG).
schistaceifrons de Meijere, 1929*a*: 382 [1929*b*: 412] (*Baccha*). Indonesia (Maluku).
semifumosa de Meijere, 1929*a*: 384 [1929*b*: 414] (*Baccha*). Indonesia (Maluku).
semilimpida Doleschall, 1858: 94 (*Baccha*). Indonesia (Maluku).
vespaeformis Doleschall, 1857: 411. Indonesia (Maluku).

Genus ALLOGRAPTA Osten Sacken

- ALLOGRAPTA** Osten Sacken, 1875: 49. Type species: *Scaeva obliqua* Say, 1823, mon.
MIOGRAMMA Frey, 1946: 165. Type species: *Syrphus iavanus* Wiedemann, 1824 (as *javanus*), orig. des.
HELENOMYIA Bankowska, 1962: 311. Type species: *Syrphus iavanus* Wiedemann, 1824 (as *javanus*), orig. des.
amphotera Bezzi, 1928: 74 (*Xanthogramma*). Cook Is & Fiji.
atkinsoni Miller, 1921*b*: 311 (*Platycheirus*). NZ (NZ).
australensis Schiner, 1868: 347 (*Melithreptus*). Australia (NSW); Australia (Qld).
buruensis de Meijere, 1929*a*: 383 [1929*b*: 413]. Indonesia (Maluku).
citronella Shiraki, 1963: 136 (*Epistrophe*). Belau; Micronesia.
dorsalis Miller, 1924*b*: 284 (*Ocyptamus*). NZ (NZ).
exotica Wiedemann, 1830*a*: 136 (*Syrphus*). Brazil; Hawaiian Is [introduced]; USA to Argentina.
flavofaciens Miller, 1921*b*: 302 (*Syrphus*). NZ (NZ).
hirsutifera Hull, 1949*b*: 727 (*Epistrophe*). NZ (NZ).
hudsoni Miller, 1921*b*: 302 (*Syrphus*). NZ (NZ).
iavana Wiedemann, 1824: 34 (*Syrphus*). Indonesia (Java); S Australia, Fiji, PNG (PNG), Solomon Is; India to Japan.
distinctus Kertész, 1899*b*: 177 (*Melithreptus*). PNG (PNG).
javana, error for *iavana*.
longula Shiraki, 1963: 139 (*Epistrophe*). Guam.
nofasciata Thompson, n. n. Northern Marianas.
fasciata Shiraki, 1963: 139 (*Epistrophe*). Northern Marianas. [Preocc. Curran, 1932.]
nigripilosa Hull, 1944*a*: 52 (*Xanthogramma*). French Polynesia (Society Is).

- obliqua** Say, 1823: 89 (*Scaeva*). USA; Hawaiian Is [introduced].
pallida Bigot, 1884c: 93 (*Syrphus*). "Australie."
pseudoropala Miller, 1921b: 293 (*Paragus*). NZ (NZ).
pulchra Shannon, 1927b: 25. Chile; Easter I.
radiata Bigot, 1857c: 338 [1857d: 793] (*Syrphus*). Cuba; Hawaiian Is [introduced]; USA, West Indies.
cubana Curran, 1932: 3. Cuba.
ropalus Walker, 1849: 593 (*Syrphus*). NZ (NZ).
septemvittata Shiraki, 1963: 138 (*Epistrophe*). Northern Marianas.
ventralis Miller, 1921b: 296 (*Sphaerophoria*). NZ (NZ).

Genus ASARKINA Macquart

- ASARKINA** Macquart, 1842: 138(77). Type species: *Syrphus rostrata* Wiedemann, 1824, mon.
ASARCINA Agassiz, 1847: 35 (unjust. emend. of *Asarkina*).
ANCYLOSYPHUS Bigot, 1882a: 78 [1882b: lxxviii]. Type species: *Syrphus salviae* Fabricius, 1794, orig. des.
bigoti Goot, 1964: 219 (*Melanostoma*; n. n. for *cingulata* Bigot). Indonesia (Irian Jaya). **N. comb.**
cingulata Bigot, 1884c: 85 (*Melanostoma*). Indonesia (Irian Jaya). [Preocc. Egger, 1860.]
biroi Bezzi, 1908b: 502. PNG (PNG); Indonesia (Irian Jaya).
consequens Walker, 1856a: 18 (*Syrphus*). Singapore & Malaysia (Pen); PNG (PNG) to Malaysia (Pen).
ericetorum Fabricius, 1782: 425 (*Syrphus*). "Africa aequinoctiali"; Australia (NT, Qld), Indonesia (Maluku), Solomon Is; Afrotrop., Oriental Regs.
macquarti Doleschall, 1857: 408 (*Didea*). Indonesia (Maluku).
diaphana Doleschall, 1857: 409 (*Didea*). Indonesia (Maluku).
eurytaeniata Bezzi, 1908b: 501. Malaysia (Pen); Solomon Is, E to Indonesia (Sumatra), N to Taiwan and Philippines.
longirostris de Meijere, 1908b: 307 (*Syrphus*). PNG (PNG).
morokaensis de Meijere, 1908b: 308 (*Syrphus*). PNG (PNG).
oceanica Bezzi, 1928: 71 (*ericetorum* var.). Fiji; American Samoa, Western Samoa.
papuana Bezzi, 1908b: 500 (*ericetorum* var.). PNG (PNG); Fiji, Indonesia (Irian Jaya).
ribbei Bezzi, 1908b: 497. PNG (Bismarck Arch); PNG (PNG).
salviae Fabricius, 1794: 306 (*Syrphus*). Sierra Leone; Indonesia (Maluku) & Solomon Is; W to India, Africa.

Genus BETASYRPHUS Matsumura

- BETASYRPHUS** Matsumura in Matsumura & Adachi, 1917a: 143. Type species: *Syrphus serarius* Wiedemann, 1830, orig. des.
serarius Wiedemann, 1830a: 128 (*Syrphus*). China; Australia (NSW, Qld), Indonesia (Irian Jaya, Maluku).

Genus CITROGRAMMA Vockeroth

- CITROGRAMMA** Vockeroth, 1969: 92. Type species: *Syrphus hervebazini* Curran, 1928, orig. des.
bicornutum Vockeroth, 1969: 98. PNG (PNG).
circumdatum de Meijere, 1908b: 306 (*Syrphus*). PNG (PNG).
luteifrons de Meijere, 1908b: 304 (*Syrphus*). PNG (PNG).
notiale Vockeroth, 1969: 95. Australia (Qld).
quadricornutum Vockeroth, 1969: 96. PNG (PNG).
sedlaceorum Vockeroth, 1969: 99. PNG (PNG).

Genus DIDEOPSIS Matsumura

- DIDEOPSIS** Matsumura in Matsumura & Adachi, 1917a: 142. Type species: *Eristalis aegrotus* Fabricius, 1805, orig. des.

AEGROTOMYIA Frey, 1946: 158. Type species: *Eristalis aegrotus* Fabricius, 1805, orig. des.
aegrota Fabricius, 1805: 243 (*Eristalis*). China; Australia (NT, Qld), Indonesia (Maluku), "New Guinea"; Nepal, SE Asia.
ellenriederi Doleschall, 1857: 407 (*Didea*). Indonesia (Maluku).
hemipennis Hull, 1945b: 212. Solomon Is.

Genus EOSPHAEROPHORIA Frey

EOSPHAEROPHORIA Frey, 1946: 169. Type species: *Eosphaerophoria marginata* Frey, 1946, orig. des.
TAMBAVANNA Keiser, 1958: 202. Type species: *Tambavanna dentiscutellata* Keiser, 1958, orig. des.
 Undescribed sp.—PNG (PNG) (Vockeroth, 1969: 135).

Genus EPISTROPHE Walker

EPISTROPHE Walker, 1852: 242. Type species: *Epistrophe conjungens* Walker, 1852 [= *Syrphus grossulariae* Meigen, 1822], mon.

Subgenus EPISTROPHELLA Dušek & Laska

EPISTROPHELLA Dušek & Laska, 1967: 368 (as gen.). Type species: *Syrphus euchromus* Kowarz, 1885, orig. des.
shibakawae Matsumura in Matsumura & Adachi, 1917b: 36 (*Syrphus*). Japan; New Guinea to Japan.
horishana, Vockeroth, 1969, not Matsumura, 1917, misid.

Genus EPISYRPHUS Matsumura

EPISYRPHUS Matsumura in Matsumura & Adachi, 1917a: 134 (key) [1917b: 16]. Type species: *Episyrphus fallaciosus* Matsumura, 1917 [= *Musca balteatus* De Geer, 1776], mon.

Subgenus ASIOBACCHA Violovitch

ASIOBACCHA Violovitch, 1976: 131 (as gen.). Type species: *Baccha nubilipennis* Austen, 1893, orig. des.
bicolor Austen, 1893: 137 (*Baccha*). Indonesia (Maluku); "New Guinea."
praefica Bezzi, 1928: 76 (*Baccha*). Fiji; "Samoa," Vanuatu.
sulica Austen, 1893: 144 (*Baccha*). Indonesia (Maluku); Indonesia (Irian Jaya).
tripartita Walker, 1861d: 285 (*Baccha*). Indonesia (Maluku).

Subgenus EPISYRPHUS Matsumura

EPISYRPHUS Matsumura in Matsumura & Adachi, 1917a: 134 (key) [1917b: 16] (as gen.). Type species: *Episyrphus fallaciosus* Matsumura, 1917 [= *Musca balteatus* De Geer, 1776], mon.
alternans Macquart, 1842: 149(89) (*Syrphus*). "côte de Coromandel" [= India]; Australia W to India, N to Japan.
balteatus De Geer, 1776: 116 (*Musca*). Sweden; Bonin Is; widesp. Palearctic Reg.
canaqueus Bigot, 1884c: 95 (*Syrphus*). New Caledonia (New Caledonia). **N. comb.**
contax Curran, 1947b: 3 (*Syrphus*). Solomon Is.
nectarinus Wiedemann, 1830a: 128 (*Syrphus*). China; ?Australia, ? "New Guinea."
noumeae Bigot, 1884c: 97 (*Syrphus*). New Caledonia (New Caledonia). **N. comb.**
viridaureus Wiedemann, 1824: 35 (*Syrphus*). Indonesia (Java); New Caledonia (New Caledonia); Malaysia (Pen).

Genus EUPEODES Osten Sacken

EUPEODES Osten Sacken, 1877: 328. Type species: *Eupeodes volucris* Osten Sacken, 1877, mon.

Subgenus EUPEODES Osten Sacken

EUPEODES Osten Sacken, 1877: 328 (as gen.). Type species: *Eupeodes volucris* Osten Sacken, 1877, mon.
volucris Osten Sacken, 1877: 329. USA: Hawaiian Is [introduced; not established]; Nearctic Reg.

Subgenus MACROSYRPHUS Matsumura

MACROSYRPHUS Matsumura in Matsumura & Adachi, 1917b: 23 (*Syrphus* subg.). Type species: *Syrphus okinawae* Matsumura, 1917, mon.
confrater Wiedemann, 1830a: 120 (*Syrphus*). China; Australia (NSW, Qld).

Subgenus METASYRPHUS Matsumura

METASYRPHUS Matsumura in Matsumura & Adachi, 1917a: 147 (as gen.). Type species: *Syrphus corollae* Fabricius, 1794, orig. des.
americanus Wiedemann, 1830a: 129 (*Syrphus*). "Nordamerika"; Hawaiian Is [introduced; not established]; Nearctic Reg.
wiedemanni Johnson, 1919: 32 (*Syrphus*; unnec. n. n. for *americanus* Wiedemann).

Genus GILUWEA Vockeroth

GILUWEA Vockeroth, 1969: 136. Type species: *Giluwea flavomacula* Vockeroth, 1969, orig. des.
flavomacula Vockeroth, 1969: 137. PNG (PNG).
nigra Vockeroth, 1969: 137. PNG (PNG).

Genus ISCHIODON Sack

ISCHIODON Sack, 1913: 5. Type species: *Ischiodon trochanterica* Sack, 1913 [= *Scaeva scutellaris* Fabricius, 1805], mon.
scutellaris Fabricius, 1805: 252 (*Scaeva*). India; Australia, widesp. Pacific (excl. Hawaiian Is); W to Japan & India.
annulipes Macquart, 1855: 116(96) (*Sphaerophoria*). French Polynesia (Marquesas). [Preocc. Macquart, 1842.]
nodalis Thomson, 1869: 497 (*Syrphus*). French Polynesia (Society Is).
ruficauda Bigot, 1884c: 96 (*Syrphus*). New Caledonia (New Caledonia). N. syn.
novaequinae Kertész, 1899b: 178 (*Melithreptus*). PNG (PNG).
ogasawarensis Matsumura, 1916: 23 (*Melithreptus*). Bonin Is.
boninensis Matsumura in Matsumura & Adachi, 1919: 128. Bonin Is.
penicillatus Hardy, 1952: 363. *Nomen nudum*.
magnicornis Shiraki, 1963: 141 (*Epistrophe*). Micronesia.
macquarti Goot, 1964: 220 (*Sphaerophoria*; n. n. for *annulipes* Macquart).

Genus MELANGYNA Verrall

MELANGYNA Verrall, 1901: 313. Type species: *Melanostoma quadrimaculatum* Verrall, 1873, mon.

Subgenus AUSTROSYRPHUS Vockeroth

AUSTROSYRPHUS Vockeroth, 1969: 85. Type species: *Syrphus novaezealandiae* Macquart, 1855, orig. des.
ambustus Walker, 1852: 234 (*Syrphus*). Australia (NSW).
collatus Walker, 1852: 233 (*Syrphus*). Australia (Tas); Australia (ACT, NSW, Qld, SA, Vic, WA).
damastor Walker, 1849: 585 (*Syrphus*). "New Holland"; Australia (NSW, Qld, WA).
jacksoni Bigot, 1884c: 94 (*Syrphus*). "Australie."
novaezealandiae Macquart, 1855: 115(95) (*Syrphus*). NZ (NZ).

ortas Walker, 1849: 585 (*Syrphus*). NZ (NZ).

rectus Nowicki, 1875: 352 (*Syrphus*). NZ (NZ).

sellenyi Schiner, 1868: 352 (*Syrphus*). Australia (NSW); Australia (Qld).

viridiceps Macquart, 1847a: 61 [1847b: 77] (*Syrphus*). "Nouvelle-Hollande"; Australia (NSW, Qld, SA, WA).

Subgenus MELANOSYRPHUS Vockeroth

MELANOSYRPHUS Vockeroth, 1969: 86. Type species: *Melangyna dichoptica* Vockeroth, 1969, orig. des.

dichoptica Vockeroth, 1969: 86. PNG (PNG); Vanuatu.

Genus PSEUDODOROS Becker

PSEUDODOROS Becker, 1903: 92. Type species: *Pseudodoros nigricollis* Becker, 1903, mon.

clavatus Fabricius, 1794: 298 (*Syrphus*). "Americae meridionalis Insulis" [= West Indies]; Hawaiian Is [introduced; not established]; Nearctic, Neotrop. Regs.

Genus SCAEVA Fabricius

SCAEVA Fabricius, 1805: 248. Type species: *Musca pyrastris* Linnaeus, 1758, des. Curtis, 1834: 509.

pyrastris Linnaeus, 1758: 594 (*Musca*). Not given [Europe]; Hawaiian Is [intercepted; not established]; W Nearctic, Palearctic Regs.

Genus SIMOSYRPHUS Bigot

SIMOSYRPHUS Bigot, 1882a: 79 [1882b: lxxix]. Type species: *Syrphus grandicornis* Macquart, 1842, des. Hull, 1949a: 219.

grandicornis Macquart, 1842: 96(36) (*Syrphus*). Australia (NSW); widesp. Australia, NZ (NZ), widesp. Oceania.

sydneyensis Macquart, 1846: 263(135) (*Syrphus*). Australia (NSW).

pusillus Macquart, 1847a: 61 [1847b: 77] (*Syrphus*). "Nouvelle-Hollande." [Preocc. Roser, 1840.]

melanurus Bigot, 1884c: 97 (*Syrphus*). New Caledonia (New Caledonia). **N. syn.**

obesus Hutton, 1901: 41 (*Syrphus*). NZ (NZ). [Preocc. Fabricius, 1775.]

vitiensis Bezzi, 1928: 71 (*Syrphus corollae* Fabricius var.). Fiji.

fasciatus Shiraki, 1963: 186 (*Metasyrphus*). Johnston Atoll.

australiensis Goot, 1964: 220 (*Syrphus*; n. n. for *pusillus* Macquart).

huttoni Goot, 1964: 220 (*Syrphus*; n. n. for *obesus* Hutton).

Genus SPHAEROPHORIA Lepeletier & Serville

SPHAEROPHORIA Lepeletier & Serville in Latreille *et al.*, 1828: 513. Type species: *Musca scripta* Linnaeus, 1758, des. Rondani, 1845a: 458.

macrogaster Thomson, 1869: 501 (*Syrphus*). Australia (NSW); Australia (ACT, Qld), New Caledonia (New Caledonia), Norfolk I.

quinquevittata Bigot, 1884c: 115 (*Mesograpta*). New Caledonia (New Caledonia).

pallida Bigot, 1884c: 115 (*Mesograpta*). New Caledonia (New Caledonia).

kerteszi Klocker, 1924: 56. Australia (Qld).

ulphuripes Thomson, 1869: 500 (*Syrphus*). USA; Hawaiian Is [introduced; not established]; Nearctic Reg.

Genus SYRPHUS Fabricius

SYRPHUS Fabricius, 1775: 762. Type species: *Musca ribesii* Linnaeus, 1758 (See Stone *et al.*, 1965: 558 to preserve established usage).

opinator Osten Sacken, 1877: 327. USA; Hawaiian Is [introduced; not established]; Nearctic Reg.

Unplaced species of Syrphini

- demeijerei** Curran, 1947b: 4 (*Syrphus*; n. n. for *elongatus* de Meijere). PNG (PNG).
elongatus de Meijere, 1908b: 309 (*Syrphus*). PNG (PNG). [Preocc. Fabricius, 1775.]
triangulifrons de Meijere, 1908b: 305 (*Syrphus*). PNG (PNG).
villosulus Doleschall, 1858: 99 (*Syrphus*). Indonesia (Maluku).

Subfamily ERISTALINAE

Tribe PIPIZINI

Genus TRIGLYPHUS Loew

- TRIGLYPHUS** Loew, 1840a: 30. Type species: *Triglyphus primus* Loew, 1840, mon.
fulvicornis Bigot, 1884b: 558. "Australie"; Australia (NSW, Qld, Tas).

Tribe VOLUCCELLINI

Subtribe VOLUCCELLINA

Genus GRAPTOMYZA Wiedemann

- GRAPTOMYZA** Wiedemann, 1820a: 16. Type species: *Graptomyza longirostris* Wiedemann, 1820, orig. des. (on plate).
GRAPTOMYZA Henning, 1832: 382. Type species: *Graptomyza longicornis* Henning, 1832 [preocc., = *Graptomyza longirostris* Wiedemann, 1820], **pres. des.** [Preocc. Wiedemann, 1820.]
PROTOGRAPTOMYZA Hull, 1949a: 351 (*Graptomyza* subg.). Type species: *Graptomyza doddi* Ferguson, 1926, orig. des.
antipoda Shannon, 1927c: 83. Australia (Qld).
atripes Bigot, 1884a: 321. Indonesia (Maluku).
bergi Greene, 1949: 77. Solomon Is.
coniceps de Meijere, 1929a: 381 [1929b: 411]. Indonesia (Maluku).
doddi Ferguson, 1926b: 542. Australia (Qld).
flavicollis Ferguson, 1926b: 541. Australia (Qld).
lineata Osten Sacken, 1881a: 439. Indonesia (Maluku); Malaysia (Pen).
loewi Goot, 1964: 219 (*Paragus*; n. n. for *substitutus* Walker). Indonesia (Irian Jaya).
substitutus Walker, 1861d: 285 (*Paragus*). Indonesia (Irian Jaya). [Preocc. Loew, 1858.]
longicornis de Meijere, 1908b: 281. PNG (PNG).
maculipennis de Meijere, 1908b: 279. Australia (NSW); Australia (Vic).
melliponaeformis Doleschall, 1858: 95. Indonesia (Maluku).
minor Shiraki, 1963: 152. Micronesia.
oceanica Shiraki, 1963: 153. Micronesia.
plumifer Ferguson, 1926b: 543. Australia (Qld).
punctata de Meijere, 1908b: 280. PNG (PNG).
tibialis Walker, 1858b: 95. Indonesia (Maluku).
trilineata de Meijere, 1908b: 282. PNG (PNG).
triseriata de Meijere, 1929a: 382 [1929b: 412]. Indonesia (Maluku).
uchiyamai Shiraki, 1930: 232. Belau.

Genus VOLUCELLA Geoffroy

- VOLUCELLA** Geoffroy, 1762: 540. Type species: *Musca pellucens* Linnaeus, 1758, des. Curtis, 1833: 452. [Validated by I.C.Z.N., 1957: 85.]

trifasciata Wiedemann, 1830a: 196. Indonesia (Java); Indonesia (Maluku); N to India & China.

Subtribe COPESTYLINA

Genus COPESTYLUM Macquart

COPESTYLUM Macquart, 1846: 252(124). Type species: *Copestylum flaviventris* Macquart, 1846, mon.
apicale Loew, 1866a: 151 [1872b: 25] (*Volucella*). Cuba; Hawaiian Is [introduced]; SE USA, C. Am.,
West Indies.

dracaena Curran, 1947a: 2 (*Volucella*). Hawaiian Is.

tricincta, Hardy, 1964, not Bigot, 1875, misid.

hoya Curran, 1947a: 1 (*Volucella*). Hawaiian Is [introduced]; C. Am.

tamaulipanum Townsend, 1898: 51 (*Volucella*). USA; Hawaiian Is [introduced].

timberlakei Curran, 1926b: 63 (*Volucella*). USA.

Genus ORNIDIA Lepeletier & Serville

ORNIDIA Lepeletier & Serville in Latreille *et al.*, 1828: 786 (*Syrphus* subg.). Type species: *Syrphus obesus* Fabricius, 1775, orig. des.

obesa Fabricius, 1775: 763 (*Syrphus*). "America" [= West Indies]; widesp. Oceania [introduced]; Afrotrop., Nearctic, Neotrop., Oriental Regs.

Tribe ERISTALINI

Subtribe HELOPHILINA

Genus HELOPHILUS Meigen

HELOPHILUS Meigen, 1822: 368. Type species: *Musca pendula* Linnaeus, 1758, des. Curtis, 1832: pl. 429.

Subgenus PILINASICA Malloch

PILINASICA Malloch, 1922c: 227 (as gen.). Type species: *Syrphus cingulatus* Fabricius, 1775, mon.

PROHELOPHILUS Curran & Fluke, 1926: 210 (key) (as gen.). Type species: *Syrphus trilineatus* Fabricius, 1775 [= *Musca seelandica* Gmelin, 1790], orig. des.

PALAEOXYLOTA Hull, 1949a: 361 (*Xylota* subg.). Unavailable name; genus-group name based on a *nomen nudum*.

PALAEOXYLOTA Hull, 1950: 614 (*Xylota* subg.). Type species: *Xylota probosca* Hull, 1950, orig. des.

antipodus Schiner, 1868: 359. NZ (Chatham Is); NZ (Campbell I).

vincinus Hutton, 1901: 38. NZ (Chatham Is).

interruptus Lamb, 1909: 133. NZ (Campbell I).

campbelli Miller, 1921b: 332 (*Myiatropa*). NZ (NZ).

campbellicus Hutton, 1902a: 170. NZ (Campbell I).

cargilli Miller, 1911: 126. NZ (NZ).

chathamensis Hutton, 1901: 39. NZ (Chatham Is).

cingulatus Fabricius, 1775: 767 (*Syrphus*). NZ (NZ).

pacifica Gmelin, 1790: 2872 (*Musca*; unjust. n. n. for *cingulatus* Fabricius).

agerinus Walker, 1849: 608 (*Helophilus*). Not given [unknown].

hectori Miller, 1924b: 283. NZ (NZ).

hochstetteri Nowicki, 1875: 23. NZ (NZ).

latifrons Schiner, 1868: 359. NZ (NZ). [Preocc. Loew, 1863.]

schineri Goot, 1964: 214 (n. n. for *latifrons* Schiner).

ineptus Walker, 1849: 608. NZ (NZ).

- purehuensis* Miller, 1911: 125. NZ (NZ).
montana Miller, 1921b: 312 (*Xylota*). NZ (NZ).
probosca Hull, 1949a: 361 [1950: 614] (*Xylota*). NZ (NZ).
seelandica Gmelin, 1790: 2870 (*Musca*; n. n. for *trilineatus* Fabricius).
trilineatus Fabricius, 1775: 766 (*Syrphus*). NZ (NZ). [Previously considered a secondary junior
 homonym in *Musca*; *seelandica* valid under Art. 59b of the Code.]
taruensis Miller, 1924b: 283. NZ (NZ).

Genus MESEMBRIUS Rondani

- MESEMBRIUS** Rondani, 1857: 50. Type species: *Helophilus peregrinus* Loew, 1846, mon.
EUMEROSYRPHUS Bigot, 1882m: 159 [1882p: cxxvii]. Type species: *Eumerosyrphus indianus* Bigot,
 1882 [= *Eristalis bengalensis* Wiedemann, 1819], mon.
bengalensis Wiedemann, 1819a: 16 (*Eristalis*). India; Australia (NT, Qld), PNG (PNG) to India.
bergi Curran, 1947b: 9. Solomon Is.
caudatus de Meijere, 1904a: 177 (*Helophilus*). Indonesia (Maluku).
consors Walker, 1859c: 119 (*Helophilus*). Indonesia (Sulawesi); ?Indonesia (Maluku).
fulvicauda Curran, 1947b: 9. Solomon Is.
fulvus de Meijere, 1908b: 237 (*Helophilus*). PNG (PNG).
hilaris Walker, 1849: 605 (*Helophilus*). Not given [?Australasia]; Australia (NSW, NT, Qld), Indonesia
 (Irian Jaya), New Caledonia (New Caledonia).
merodontoides Walker, 1864: 234 (*Eristalis*). Indonesia (Maluku).
mesoleucus Walker; 1858b: 96 (*Helophilus*). Indonesia (Maluku).
pilipes Doleschall, 1857: 410 (*Helophilus*). Indonesia (Java); Indonesia (Maluku).
quadrivittatus Wiedemann, 1819a: 17 (*Eristalis*). Not given [India; see Thompson, 1988: 217];
 Indonesia (Maluku); N to India.
ruficauda Bigot, 1884a: 344. "Australia."
streuous Walker, 1857: 152 (*Helophilus*). Not given [unknown].
wulpi Goot, 1964: 220 (n. n. for *albiceps* Wulp). Indonesia (Maluku); Indonesia (Irian Jaya); NW to
 Taiwan & Philippines.
albiceps Wulp, 1869: 116 (*Helophilus*). Indonesia (Sulawesi) & Indonesia (Maluku). [Preocc.
 Macquart, 1846.]

Unplaced species of Helophilina

- helophiloides** Walker, 1861d: 284 (*Eristalis*). Indonesia (Maluku).
laticornis Bigot, 1884a: 338 (*Eristalomyia*). New Caledonia (New Caledonia).
terraereginae Ferguson, 1926a: 162 (*Helophilus*). Australia (Qld); Indonesia (Maluku), PNG (PNG).

Subtribe ERISTALINA

Genus AXONA Walker

- AXONA** Walker, 1864: 211. Type species: *Axona volucelloides* Walker, 1864 [= *Eristalis chalcopyga*
 Wiedemann, 1830], mon.
chalcopyga Wiedemann, 1830a: 178 (*Eristalis*). Philippines; Australia (Qld), Indonesia (Irian Jaya,
 Maluku), Micronesia; W to Burma.
maxima Doleschall, 1857: 405 (*Eristalis*). Indonesia (Maluku).
volucelloides Walker, 1864: 212 (*Eristalis*). Indonesia (Irian Jaya).
hershawi Ferguson, 1926a: 159 (*Eristalis*). Australia (Qld).

Genus DIGULIA de Meijere

- DIGULIA** de Meijere, 1913a: 357. Type species: *Digulia kochi* de Meijere, 1913, mon.

kochi de Meijere, 1913a: 357. Indonesia (Irian Jaya).

Genus DISSOPTERA Edwards

DISSOPTERA Edwards, 1915b: 400. Type species: *Dissoptera pollinosa* Edwards, 1915 [= *Eristalis heterothrix* de Meijere, 1908], mon.

XENOZOON Hull, 1949a: 401. Type species: *Dissoptera maritima* Hull, 1929, orig. des.

clarkei Shiraki, 1963: 179. Micronesia.

gressitti Shiraki, 1963: 181. Micronesia.

heterothrix de Meijere, 1908b: 273 (*Eristalis*). Indonesia (Kalimantan) & "Insel Cretin"; Australia (Qld), Indonesia (Irian Jaya), Vanuatu; W to "Borneo."

pollinosa Edwards, 1915b: 410 (*Eristalis*). Indonesia (Irian Jaya).

flavohirta Klocker, 1924: 57 (*Eristalis*). Australia (Qld).

maritima Hull, 1929: 196. Western Samoa; American Samoa.

palauensis Shiraki, 1963: 184. Micronesia.

unicolor Bezzi, 1928: 77. Fiji.

yapensis Shiraki, 1963: 182. Micronesia.

Genus ERISTALINUS Rondani

ERISTALINUS Rondani, 1845a: 453. Type species: *Musca sepulchralis* Linnaeus, 1758, subs. mon. Rondani, 1857: 38.

Subgenus ERISTALODES Mik

ERISTALODES Mik, 1897: 114 (as gen.). Type species: *Eristalis taeniops* Wiedemann, 1818, orig. des.

parius Bigot, 1880e: 218 (*Eristalomyia*). Sri Lanka; Indonesia (Maluku); India, Indonesia (Java), Taiwan.

zebrina Bigot, 1880e: 222 (*Eristalomyia*). Indonesia (Maluku).

Subgenus LATHYROPHTHALMUS Mik

LATHYROPHTHALMUS Mik, 1897: 114 (as gen.). Type species: *Conops aeneus* Scopoli, 1763, orig. des.

METALLOERISTALIS Kanervo, 1939: 43 (*Eristalis* subg.). Type species: *Conops aenea* Scopoli, 1763, orig. des.

aeneus Scopoli, 1763: 356 (*Conops*). Yugoslavia; Australia (NSW, Vic), Hawaiian Is, Kiribati (Gilbert Is), Wake I; N temperate regions.

?aenescens Macquart, 1842: 59(119). "Patrie inconnue."

arvorum Fabricius, 1787: 335 (*Syrphus*). China; Australia (Qld), Hawaiian Is, Micronesia, Northern Marianas; SE Asia.

fulvipes Macquart, 1846: 256(128) (*Eristalis*). "Nouvelle-Hollande" [prob. = Australia (Qld)].

anicetus Walker, 1849: 624 (*Eristalis*). Not given [unknown].

aurulans Wiedemann, 1824: 37 (*Eristalis*). India; Australia (NT, Qld), Indonesia (Irian Jaya), Solomon Is to India.

kochi de Meijere, 1908b: 255 (*Eristalis*). Indonesia (Irian Jaya).

diffidens Curran, 1947b: 16 (*Lathyroptthalmus*). Solomon Is.

buruensis de Meijere, 1929a: 380 [1929b: 410] (*Eristalis*). Indonesia (Maluku).

cupreofasciatus Wulp, 1869: 114 (*Eristalis*). Indonesia (Maluku).

metallica Doleschall, 1857: 406 (*Eristalis*). Indonesia (Maluku). [Preocc. Fabricius, 1805.]

distinctus de Meijere, 1913a: 356 (*Eristalis*). Indonesia (Maluku).

dives Walker, 1849: 617 (*Eristalis*). Not given [unknown]; American Samoa, Fiji, Western Samoa.

virrescens Hull, 1937: 15 (*Lathyroptthalmus*). Fiji.

hervebazini Klocker, 1924: 58 (*Eristalis*). Australia (Qld); Australia (NSW, NT, Vic, WA).

maculatus de Meijere, 1908b: 266 (*Eristalis*). Australia (NSW). [Preocc. Fallén, 1817.]

- australiensis* Goot, 1964: 220 (*Eristalis*; n. n. for *maculatus* de Meijere).
lutescens Shiraki, 1963: 168 (*Lathyrophthalmus*). Micronesia.
obliquus Wiedemann, 1824: 38 (*Eristalis*). India; Indonesia (Irian Jaya, Maluku); Oriental Reg.
placens Walker, 1864: 211 (*Eristalis*). Indonesia (Maluku); Indonesia (Irian Jaya), PNG (PNG),
 Solomon Is.
punctulatus Macquart, 1847a: 59 [1847b: 75] (*Eristalis*). "Nouvelle-Hollande"; Australia (ACT, NSW,
 Qld, Vic), New Caledonia (New Caledonia), Solomon Is.
agno Walker, 1849: 625 (*Eristalis*). Australia (WA).
epitome Walker, 1852: 250 (*Eristalis*). "New Holland."
quadrioculatus Bigot, 1884a: 339 (*Eristalis*). New Caledonia (New Caledonia).
quinquestriatus Fabricius, 1794: 289 (*Syrphus*). "India orientali"; Indonesia (Maluku); widesp.
 Oriental Reg.
sextus Curran, 1947b: 15 (*Lathyrophthalmus*). Solomon Is.
splendens Le Guillou, 1842: 14 (*Eristalis*). Solomon Is.
suavissimus Walker, 1858b: 95 (*Eristalis*). Indonesia (Maluku); Indonesia (Irian Jaya), PNG (PNG),
 Solomon Is.
viridescens Shiraki, 1963: 171 (*Lathyrophthalmus*). Micronesia.

Genus ERISTALIS Latreille

- TUBIFERA* Meigen, 1800: 34. Suppressed by I.C.Z.N., 1963b: 339.
ERISTALIS Latreille, 1804: 194. Type species: *Musca tenax* Linnaeus, 1758, des. Curtis, 1832: 432.
ERISTALOIDES Rondani, 1845a: 453. Type species: *Musca tenax* Linnaeus, 1758, des. Coquillett,
 1910: 540.
ERISTALOMYA Rondani, 1857: 40. Type species: *Musca tenax* Linnaeus, 1758, orig. des.
ERIOPS Lioy, 1864a: 743. Type species: *Musca tenax* Linnaeus, 1758, des. Goffe, 1946: 29. [Preocc.
 Klug, 1808.]
ERISTALOMYIA Scudder, 1882: 127 (unjust. emend. of *Eristalomya*).

Subgenus ERISTALIS Latreille

- TUBIFERA* Meigen, 1800: 34 (as gen.). Suppressed by I.C.Z.N., 1963b: 339.
ERISTALIS Latreille, 1804: 194 (as gen.). Type species: *Musca tenax* Linnaeus, 1758, des. Curtis, 1832:
 432.
ERISTALOIDES Rondani, 1845a: 453 (as gen.). Type species: *Musca tenax* Linnaeus, 1758, des.
 Coquillett, 1910: 540.
ERISTALOMYA Rondani, 1857: 40 (as gen.). Type species: *Musca tenax* Linnaeus, 1758, orig. des.
ERIOPS Lioy, 1864a: 743 (as gen.). Type species: *Musca tenax* Linnaeus, 1758, des. Goffe, 1946: 29.
 [Preocc. Klug, 1808.]
ERISTALOMYIA Scudder, 1882: 127 (as gen.; unjust. emend. of *Eristalomya*).
tenax Linnaeus, 1758: 591 (*Musca*). Sweden; Australia, Bonin Is, Easter I, Hawaiian Is, NZ (NZ);
 cosmopol.

Unplaced species of *Eristalis* Meigen

- calida* Walker, 1849: 613. Not given [unknown].
dubia Macquart, 1834a: 507. Not given [unknown].
fenestrata de Meijere, 1908b: 269. PNG (PNG).
lunata de Meijere, 1908b: 264. PNG (PNG).
marfax Curran, 1947b: 12. Solomon Is.
reflugens Doleschall, 1858: 96. Indonesia (Maluku).
saphirina Bigot, 1880e: 230 (*Eristalomyia*). "Nov.-Guinea."
tricolor Bigot, 1880e: 223 (*Eristalomyia*). Indonesia (Maluku).

Genus KEDA Curran

- KEDA** Curran, 1931: 331. Type species: *Eristalis simpliciceps* de Meijere, 1914 [= *Helophilus conclusa* Walker, 1859], orig. des.
conclusa Walker, 1859c: 119 (*Helophilus*). Indonesia (Sulawesi); Indonesia (Maluku); Malaysia (Sarawak).
orientalis Rondani, 1875b: 421 (*Eristalomyia*). Malaysia (Sarawak).

Genus PALPADA Macquart

- PALPADA** Macquart, 1834a: 512. Type species: *Palpada scutellata* Macquart, 1834 [= *Scaeva scutellaris* Fabricius, 1805], mon.
vinetorum Fabricius, 1798: 562 (*Syrphus*). "America insulis" [= West Indies]; French Polynesia (Marquesas, Society Is) [introduced]; USA to Argentina.
vinctorum Fabricius, 1799: 48 (unjust. emend. of *vinetorum*).

Genus PHYTOMIA Macquart

- PACHYCEPHALUS** Wiedemann, 1830a: 152. Unavailable name; proposed in synonymy with *Eristalis* and not subsequently made available.
PHYTOMIA Guérin-Méneville, 1833: 509 (as gen.). Type species: *Eristalis chrysopygus* Wiedemann, 1819, mon.
PHYTOMYIA Scudder, 1882: 263 (unjust. emend. of *Phytomia*).
PHYTOMYIA Kertész, 1910: 244 (unjust. emend. of *Phytomia*).

Subgenus DOLICHOMERUS Macquart

- DOLICHOMERUS** Macquart, 1850: 435(131) (as gen.). Type species: *Syrphus crassus* Fabricius, 1787, orig. des.
crassa Fabricius, 1787: 334 (*Syrphus*). India; Indonesia (Maluku); W to India.
sculptata Wulp, 1869: 113 (*Phytomyia*). Indonesia (Timor).

Subgenus PHYTOMIA Wiedemann

- PACHYCEPHALUS** Wiedemann, 1830a: 152 (as gen.). Unavailable name; proposed in synonymy with *Eristalis* and not subsequently made available.
PHYTOMIA Guérin-Méneville, 1833: 509 (as gen.). Type species: *Eristalis chrysopygus* Wiedemann, 1819, mon.
MEGASPIS Macquart, 1842: 87(27) (as gen.). Type species: *Eristalis chrysopygus* Wiedemann, 1819, des. Brunetti, 1923b: 196.
PHYTOMYIA Scudder, 1882: 263 (as gen.; unjust. emend. of *Phytomia*).
PHYTOMYIA Kertész, 1910: 244 (as gen.; unjust. emend. of *Phytomia*).
zonata Fabricius, 1787: 337 (*Syrphus*). China; PNG (Bismarck Arch); SE Asia, N to Japan, Korea.
lata Macquart, 1842: 95(35) (*Eristalis*). Not given [unknown].
inamames Walker, 1849: 627 (*Eristalis*). Hawaiian Is [= ?error].
datamus Walker, 1849: 628 (*Eristalis*). Not given [unknown].
cingulata Snellen van Vollenhoven, 1862: 12 (*Megaspis*). Japan.

Genus PSEUDERISTALIS Shiraki

- PSEUDERISTALIS** Shiraki, 1930: 148 (*Eristalis* subg.). Type species: *Eristalis bicolor* Shiraki, 1930, orig. des.

Subgenus KERTESZIOMYIA Shiraki

KERTESZIOMYIA Shiraki, 1930: 151 (as gen.). Type species: *Eristalis violascens* Kertész, 1913, orig. des.

CATACORES Hull, 1944c: 205. Type species: *Axona cyanea* Brunetti, 1913, orig. des.

fulgens Macquart, 1850: 439(135) (*Eristalis*). Indonesia (Java); Australia.

Subgenus PSEUDERISTALIS Shiraki

PSEUDERISTALIS Shiraki, 1930: 148 (*Eristalis* subg.). Type species: *Eristalis bicolor* Shiraki, 1930, orig. des.

conducta Walker, 1858b: 95 (*Eristalis*). Indonesia (Maluku); Australia (Qld), PNG (Bismarck Arch, PNG), Solomon Is.

inficita Walker, 1861d: 303 (*Eristalis*). Indonesia (Maluku).

collaris de Meijere, 1908b: 258 (*Eristalis*). PNG (PNG & Bismarck Arch).

nigrovittata Hull, 1945b: 213 (*Eristalis collaris* var.). Solomon Is.

marfax Curran, 1947b: 12 (*Eristalis*). Solomon Is.

nigra Wiedemann, 1824: 38 (*Eristalis*). Indonesia (Java); Indonesia (Irian Jaya, Maluku), PNG (PNG); SE Asia.

bomboides Walker, 1860b: 119 (*Eristalis*). Indonesia (Maluku).

obscurata Walker, 1861b: 239 (*Eristalis*). Indonesia (Irian Jaya).

obliterans Walker, 1860b: 152 (*Eristalis*). Indonesia (Maluku).

Genus SOLENASPIS Osten Sacken

SOLENASPIS Osten Sacken, 1881a: 442. Type species: *Solenaspis beccarii* Osten Sacken, 1881 [= *Plagiocera nitens* Bigot, 1880], mon.

nitens Bigot, 1880b: 86 (*Plagiocera*). Indonesia (Irian Jaya); PNG (PNG).

beccarii Osten Sacken, 1881a: 443. Indonesia (Irian Jaya).

Unplaced species of Eristalina

aeneicincta de Meijere, 1929a: 380 [1929b: 410] (*Eristalis*). Indonesia (Maluku).

aequipars Walker, 1864: 210 (*Eristalis*). Indonesia (Maluku).

bergi Curran, 1947b: 12 (*Eristalis*). Solomon Is.

caledonica Bigot, 1884a: 339 (*Eristalomyia*). New Caledonia (New Caledonia).

calliphoroides Shiraki, 1963: 165 (*Eristalis*). Micronesia.

ciliata de Meijere, 1913a: 355 (*Eristalis*). Indonesia (Irian Jaya).

conjuncta Ferguson, 1926a: 155 (*Eristalis*). Australia (Qld).

copiosa Walker, 1852: 249 (*Eristalis*). Not given [Australia; see Thompson, 1988: 209]; Australia (ACT, NSW, Qld, SA, Vic).

decora Macquart, 1848: 201(41) (*Eristalis*). "Nouvelle-Hollande." [Preocc. Perty, 1833.]

sinuata Thomson, 1869: 488 (*Eristalis*). Australia (NSW).

cupreoides Goot, 1964: 220 (*Eristalis*; n. n. for *cupreus* de Meijere). PNG (PNG).

cupreus de Meijere, 1908b: 271 (*Eristalis*). PNG (PNG). [Preocc. Macquart, 1842.]

erythropyga Walker, 1864: 211 (*Eristalis*). Indonesia (Irian Jaya).

inscripta Doleschall, 1857: 407 (*Eristalis*). Indonesia (Maluku); Indonesia (Irian Jaya).

postscripta Walker, 1864: 210 (*Eristalis*). Indonesia (Irian Jaya).

latilimbata de Meijere, 1913a: 354 (*Eristalis*). Indonesia (Irian Jaya).

lucilioides Walker, 1861d: 284 (*Eristalis*). Indonesia (Maluku); Indonesia (Irian Jaya).

luciliomima Hull, 1944a: 46 (*Eristalis*). Vanuatu.

maritima Hull, 1945b: 210 (*Eristalis*). Solomon Is.

muscooides Walker, 1858b: 96 (*Eristalis*). Indonesia (Maluku); Australia (Qld), Indonesia (Irian Jaya).

muscomima Hull, 1944a: 48 (*Eristalis*). Vanuatu.

pulchella Macquart, 1846: 255(127) (*Eristalis*). Australia (Tas); Australia (ACT, NSW, Qld, SA, Vic, WA).

aebutius Walker, 1849: 630 (*Eristalis*). Australia (SA).

- resoluta** Walker, 1858b: 95 (*Eristalis*). Indonesia (Maluku); Australia (Qld), Indonesia (Irian Jaya), PNG (PNG), Solomon Is.
- rhynchops** Bezzi, 1928: 80 (*Eristalis*). Fiji.
- roederi** Bergroth, 1894: 72 (*Eristalis*). Australia (Qld).
- smaradgi** Walker, 1849: 631 (*Eristalis*). "New Holland"; Australia (NSW, NT, Qld, WA).
- triseriata** de Meijere, 1913a: 353 (*Eristalis*). Indonesia (Irian Jaya).

Tribe BRACHYOPINI

Subtribe BRACHYOPINA

Genus CHRYSOGASTER Meigen

- CHRYSOGASTER* Meigen, 1800: 32. Suppressed by I.C.Z.N., 1963b: 339.
- CHRYSOGASTER* Meigen, 1803: 274. Type species: *Musca cemiteriorum* Linnaeus, 1758, des. Coquillett, 1910: 523.
- australis* Macquart – not Australasian/Oceanian. [*C. australis* is currently a junior synonym of *cemiteriorum*.]

Genus CYPHIPELTA Bigot

- CYPHIPELTA** Bigot, 1859b: 307. Type species: *Cyphipelta conifrons* Bigot, 1859 [= *Brachyopa rufocyanea* Walker, 1835], mon.
- rufocyanea** Walker, 1835a: 473 (*Brachyopa*). "New Holland"; Australia (ACT, NSW, Qld, Tas).
- vesicularis** Erichson, 1842: 272 (*Eristalis*). Australia (Tas).
- conifrons** Bigot, 1859b: 307. Australia (Tas).

Genus HEMILAMPRA Macquart

- HEMILAMPRA** Macquart, 1850: 463(159). Type species: *Hemilampira australis* Macquart, 1850, orig. des.
- australis** Macquart, 1850: 463(159). Australia (Tas).
- rectinervis** de Meijere, 1908b: 285 (*Chrysogaster*). Australia (NSW).
- rufonasus** Curran in Curran & Bryan, 1926: 131 (*Chrysogaster*). "Australia."

Unplaced species of Brachyopina

- analis** Macquart, 1850: 461(157) (*Plesia*). Australia, "côte orientale"; Australia (NSW).

Tribe MERODONTINI

Genus AZPEYTIA Walker

- AZPEYTIA** Walker, 1865b: 113. Type species: *Azpeytia scutellaris* Walker, 1865, mon.
- scutatus** de Meijere, 1908b: 238 (*Helophilus*). PNG (PNG).
- scutellaris** Walker, 1865b: 113. "New Guinea" [= Indonesia (Irian Jaya)].

Genus EUMERUS Meigen

- EUMERUS** Meigen, 1822: 202. Type species: *Syrphus tricolor* Fabricius, 1798, des. Curtis, 1839: 749.
- CITIBAENA** Walker, 1857: 124. Type species: *Citibaena aurata* Walker, 1857, mon.
- aquilus** Walker, 1849: 551. Not given [unknown]
- argentipes** Walker, 1861d: 284. Indonesia (Maluku); N to Taiwan & Philippines, W to Sri Lanka.
- argyropus** Doleschall, 1857: 410. Indonesia (Maluku). [Preocc. Loew, 1848.]
- doleschalli** Shiraki, 1930: 97 (n. n. for *argyropus* Doleschall).

- argyrogaster** Ferguson, 1926*b*: 538. Australia (Qld); Lord Howe I.
aurifrons Wiedemann, 1824: 32 (*Pipiza*). "Ind. orient."; Australia (NT, Qld), Hawaiian Is; W to India & Philippines.
bimaculatus Doleschall, 1858: 98. Indonesia (Maluku).
figurans Walker, 1859*c*: 121. Indonesia (Sulawesi); Australia, Hawaiian Is; "Borneo," Indonesia (Nusa Tenggara), Taiwan, W to Sri Lanka.
marginatus Grimshaw in Grimshaw & Speiser, 1902: 82. Hawaiian Is.
guamensis Shiraki, 1963: 149. Guam.
hemipterus Bezzi, 1928: 82. Fiji.
latipes Macquart, 1846: 261(133). "Nouvelle-Hollande"; Australia (NSW, Qld, Tas, WA).
macquarti Ferguson, 1926*b*: 539 (n. n. for *fulvicornis* Macquart). Australia (Tas); Australia (NSW).
fulvicornis Macquart, 1850: 450(146). Australia (Tas). [Preocc. Macquart, 1834.]
obliquus Fabricius, 1805: 194 (*Milesia*). "Guinea"; Australia (NSW, Qld, WA) [introduced]; Europe, Africa.
peltatus de Meijere, 1908*b*: 223. PNG (PNG); Australia (NSW, Qld, WA), Lord Howe I, Solomon Is.
rieki Paramonov, 1957*d*: 126. Australia (Qld).
simplex Ferguson, 1926*b*: 539. Australia (Vic); Australia (ACT, NSW).
speculifer Sharp, 1899: 390. PNG (Bismarck Arch).
strigatus Fallén, 1817*a*: 61 (*Pipiza*). Sweden; Australia, NZ (NZ) [all introduced]; Europe, N. Am. [introduced].
superbus Shannon, 1927*c*: 84. "Australia."
tuberculatus Rondani, 1857: 93. Italy; Australia, NZ (NZ) [all introduced]; Colombia [introduced], Europe, N. Am. [introduced].
victorianus Paramonov, 1957*d*: 127. Australia (Vic).

Genus MERODON Meigen

- LAMPETIA** Meigen, 1800: 34. Suppressed by I.C.Z.N., 1963*b*: 339.
MERODON Meigen, 1803: 274 (as gen.). Type species: *Syrphus clavipes* Fabricius, 1782 (as *curvipes*), des. Westwood, 1840: 137.
equestris Fabricius, 1794: 292 (*Syrphus*). Italy; NZ (NZ) [introduced]; Europe, N. Am. [introduced].

Genus PSILOTA Meigen

- PSILOTA** Meigen, 1822: 256. Type species: *Psilota anthracina* Meigen, 1822, mon.
COILOPROSOPA Macquart, 1850: 449(145). Type species: *Coiloprosopa nitidia* Macquart, 1850, mon.
EMMYIA Klocker, 1924: 55. Type species: *Emmyia queenslandica* Klocker, 1924, orig. des.
PARAPSILOTA Hardy, 1933*a*: 16 (*Psilota* subg.). Type species: *Psilota viridis* Macquart, 1847, orig. des.
auricauda Curran in Curran & Bryan, 1926: 130. Australia (NSW & Qld).
basalis Walker, 1858*b*: 97 (*Orthonevra*). Indonesia (Maluku).
coerulea Macquart, 1846: 268(140). Australia (Tas); Australia (Qld, WA).
muscaeformis Walker, 1852: 244 (*Merodon*). Australia (Tas).
cuprea Macquart, 1850: 462(158) (*Chrysogaster*). Australia (Tas).
cuproeus. Incorr. orig. spell. of *cuprea* [Macquart, 1850: 462(158).]
decessa Hutton, 1901: 43 (*Melanostoma*). NZ (NZ).
erythrogaster Curran in Curran & Bryan, 1926: 120. "Australia."
femoralis Schiner, 1868: 369. Australia (NSW); Australia (WA).
hirta Klocker, 1924: 54. Australia (Qld); Australia (Tas).
nitida Macquart, 1850: 449(145) (*Coeloprosopa*). Australia (Tas).
queenslandica Klocker, 1924: 55 (*Emmyia*). Australia (Qld).
rubra Klocker, 1924: 53. Australia (Qld); Australia (SA, Tas).
rubriventris Bigot, 1885*m*: 248 (*Brachyopa*). "Australie."
shannoni Goot, 1964: 220 (n. n. for *nigra* Shannon). Australia (SA).
nigra Shannon, 1927*c*: 83. Australia (SA). [Preocc. Zetterstedt, 1843.]

tristis Klocker, 1924: 54. Australia (Qld).

victoria Curran, 1925a: 7 (n. n. for *cyanea* Hill). Australia (Qld).

cyanea Hill, 1921b: 46. Australia (Qld). [Preocc. Brunetti, 1915.]

viridis Macquart, 1847a: 62 [1847b: 78]. "Nouvelle-Hollande"; Australia (NSW, Qld, Vic).

Unplaced species of Merodontini

australis Macquart, 1850: 452(148) (*Chilosia*). Australia (Tas); Australia (Qld).

Tribe CERIOIDINI

Genus CERIANA Rafinesque

CERIA Fabricius, 1794: 277. Type species: *Ceria clavicornis* Fabricius, 1798, subs. mon. Weber, 1795: 161. [Preocc. Scopoli, 1763.]

CERIANA Rafinesque, 1815: 131 (n. n. for *Ceria*).

Subgenus CERIANA Rafinesque

CERIA Fabricius, 1794: 277 (as gen.). Type species: *Ceria clavicornis* Fabricius, 1798 [= *Musca conopsoides* Linnaeus, 1758], subs. mon. Weber, 1795: 161. [Preocc. Scopoli, 1763.]

CERIANA Rafinesque, 1815: 131 (as gen.; n. n. for *Ceria*).

TENTHREDOMYIA Shannon, 1925: 50 (as gen.). Type species: *Ceria abbreviata* Loew, 1864, orig. des.

PTERYGOPHOROMYIA Shannon, 1927a: 42 (*Tenthredomyia* subg.). Type species: *Tenthredomyia saundersi* Shannon, 1925, mon.

annulifera Walker, 1861b: 238 (*Ceria*). Indonesia (Irian Jaya).

antipoda Bigot, 1860b: 223 (*Sphiximorpha*). New Caledonia (Loyalty Is); New Caledonia (New Caledonia).

tibialis Kertész, 1913b: 406 (*Cerioides*). New Caledonia (New Caledonia).

williamsi Hull, 1947: 181 (*Cerioides*). New Caledonia (New Caledonia).

apicalis Ferguson, 1926a: 147 (*Cerioides*). Australia (Qld).

australis Macquart, 1850: 432(128) (*Ceria*). Australia (Tas); Australia (ACT, NSW, Qld).

euphara Riek, 1954a: 107 (*Cerioides*; n. n. for *variabilis* Ferguson). Australia (Qld).

variabilis Ferguson, 1926a: 146 (*Cerioides*). Australia (Qld). [Preocc. Kertész, 1903.]

lypra Riek, 1954a: 111 (*Cerioides*). Australia (NT).

mellivora Shannon, 1927a: 43 (*Tenthredomyia*). Australia (Qld); Australia (SA).

metallica Wulp, 1898a: 420 (*Ceria*). PNG (PNG).

oceanica Hull, 1944a: 21 (*Cerioides*). Vanuatu.

optata Riek, 1954a: 114 (*Cerioides*). "Australia"; Australia (NSW).

opuntiae Ferguson, 1926a: 143 (*Cerioides*). Australia (NSW).

ornata Saunders, 1845: 64 (*Ceria*). Australia, "north-west coast"; Australia (NSW, NT, Qld, WA).

platypus Ferguson, 1926a: 144 (*Cerioides*). Australia (SA); Australia (Qld).

relicta Walker, 1858b: 94 (*Ceria*). Indonesia (Maluku).

relictura Walker, 1861b: 238 (*Ceria*; n. n. for *relicta* Walker). Indonesia (Maluku).

relicta Walker, 1858b: 93 (*Ceria*). Indonesia (Maluku). [Preocc. Walker, 1858.]

rieki Goot, 1964: 220 (*Cerioides*; n. n. for *picta* Riek). Australia (NSW).

picta Riek, 1954a: 113 (*Cerioides*). Australia (NSW). [Preocc. Kertész, 1902.]

saundersi Shannon, 1925: 53 (*Tenthredomyia*). Australia (NSW); Australia (Qld).

alboseta Ferguson, 1926a: 145 (*Cerioides*). Australia (Qld).

sphenotoma Riek, 1954a: 110 (*Cerioides*). Australia (Qld).

Subgenus MONOCEROMYIA Shannon

MONOCEROMYIA Shannon, 1922: 41 (*Cerioides* subg.). Type species: *Ceria tricolor* Loew, 1861, mon.

ablepta Riek, 1954a: 119 (*Cerioides*). Australia (NSW).

- atacta** Riek, 1954a: 120 (*Cerioides*; n. n. for *fascialis* Ferguson). Australia (Qld); Australia (NT).
fascialis Ferguson, 1926a: 150 (*Cerioides*). Australia (Qld).
doddi Ferguson, 1926a: 149 (*Cerioides*). Australia (Qld).
euchroma Riek, 1954a: 122 (*Cerioides*). Australia (NT).
macleayi Ferguson, 1926a: 148 (*Cerioides*). Australia (Qld).
hardyi Shannon, 1927a: 44 (*Cerioides*). Australia (Qld).
mastersi Ferguson, 1926a: 151 (*Cerioides*). Australia (SA); Australia (Qld).
procapna Riek, 1954a: 118 (*Cerioides*). Australia (Qld).
subarmata Curran in Curran & Bryan, 1926: 133 (*Cerioides*). Australia (Qld).
austeni Shannon, 1927a: 45 (*Cerioides*). Australia (Qld).
tolmera Riek, 1954a: 116 (*Cerioides*). Australia (ACT).

Subgenus POLYBIOMYIA Shannon

- POLYBIOMYIA** Shannon, 1925: 56 (as gen.). Type species: *Polybiomyia schwarzi* Shannon, 1925, orig. des.
smaragdina Walker, 1858b: 93 (*Ceria*). Indonesia (Maluku); Australia (Qld).

Subgenus SPHIXIMORPHA Rondani

- SPHIXIMORPHA** Rondani, 1850a: 213 (as gen.). Type species: *Ceria subsessilis* Illiger, 1807, orig. des.
CERIOIDES Rondani, 1850a: 211 (as gen.). Type species: *Ceria subsessilis* Illiger, 1807, mon. [Published in synonymy, made available by Bezzi & Stein, 1907: 156.]
alapllicata Hardy, 1945a: 83 (*Cerioides*). Australia (Qld).
brevicapa Saunders, 1845: 65 (*Ceria*). Australia (Vic); Australia (ACT, NSW, Qld, SA).
victoria Curran, 1925b: 200 (*Ceria*). Australia (Vic).
pyha Riek, 1954a: 124 (*Cerioides*). Australia (NSW); Australia (Qld).

Tribe MILESIINI

Subtribe CRIORHININA

Genus DEINECHES Walker

- DEINECHES** Walker, 1852: 227. Type species: *Deineches nigrofulva* Walker, 1852 [= *Criorrhina nudiventris* Macquart, 1846], mon.
fulva Ferguson, 1926b: 526 (*Criorrhina*). Australia (SA); Australia (WA).
hackeri Ferguson, 1926b: 524 (*Criorrhina*). Australia (Qld); Australia (NSW).
nudiventris Macquart, 1846: 254(126) (*Criorrhina*). Australia (Tas); Australia (ACT, NSW, Vic).
nigrofulva Walker, 1852: 228 (*Criorrhina*). Australia (NSW).

Genus MALOMETASTERNUM Shannon

- MALOMETASTERNUM** Shannon, 1927c: 86. Type species: *Malometasternum scutellaris* Shannon, 1927 [= *Criorrhina ruficauda* Ferguson, 1926], mon.
rufocaudatum Ferguson, 1926b: 526 (*Criorrhina*). Australia (NSW); Australia (Qld).
scutellaris Shannon, 1927c: 86. Australia (Qld).

Subtribe PTERALLASTINA

Genus ODYNEROMYIA Shannon & Aubertin

- ODYNEROMYIA** Shannon & Aubertin, 1933: 156. Type species: *Doros odyneroides* Philippi, 1865, orig. des.

- illucens** Ferguson, 1926b: 531 (*Xylota*). Australia (Vic).
soror Paramonov, 1955e: 144 (*Criorrhina*). Australia (NSW).
iridescens Ferguson, 1926b: 532 (*Xylota*). Australia (NSW).
spadix Hardy, 1921a: 17 (*Criorrhina*). Australia (Tas); Australia (NSW).
transparens Paramonov, 1955e: 143 (*Criorrhina*). Australia (NSW).

Subtribe TROPIDIINA

Genus ORTHOPROSOPA Macquart

ORTHOPROSOPA Macquart, 1850: 447(143). Type species: *Orthoprosopa nigra* Macquart, 1850 [= *Helophilus griseus* Walker, 1835], orig. des.

Subgenus ORTHOPROSOPA Macquart

- ORTHOPROSOPA** Macquart, 1850: 447(143) (as gen.). Type species: *Orthoprosopa nigra* Macquart, 1850 [= *Helophilus griseus* Walker, 1835], orig. des.
grisea Walker, 1835a: 472 (*Helophilus*). "New Holland"; Australia (NSW, Qld, SA, Tas, Vic, WA).
contrarius Walker, 1849: 599 (*Merodon*). "New Holland."
nigra Macquart, 1850: 447(143) (*Orthoprosopa*). Australia (Tas).
torpidus Walker, 1857: 153 (*Merodon*). Not given [Australia; see Thompson, 1988: 220.]
xylotaeiformis Schiner, 1868: 360 (*Mallota*). Chile, error [= Australia].
binotata Thomson, 1869: 492 (*Orthoprosopa*). Australia (NSW).

Subgenus PARATROPIDIA Hull

- PARATROPIDIA** Hull, 1949a: 363 (as gen.). Type species: *Milesia bilineata* Walker, 1849, orig. des.
alex Thompson, 1972b: 269 (*Paratropidia*). PNG (PNG).
bilineata Walker, 1849: 566 (*Milesia*). NZ (NZ).
margarita Thompson, 1972b: 272 (*Paratropidia*). PNG (PNG).
multicolor Ferguson, 1926b: 523 (*Criorrhina*). Australia (NSW); Australia (Qld).
pacifica Hippa, 1980: 233 (*Paratropidia*). New Caledonia (New Caledonia).

Genus SYRITTA Lepeletier & Serville

- SYRITTA** Lepeletier & Serville in Latreille *et al.*, 1828: 808. Type species: *Musca pipiens* Linnaeus, 1758, mon.
COPRINA Zetterstedt, 1837: 35. Type species: *Musca pipiens* Linnaeus, 1758, mon.
flaviventris Macquart, 1842: 135(75). Senegal; Easter I [introduced]; Brazil, Chile, Mexico [introduced], S USA, S Europe, Africa.
hackeri Klocker, 1924: 59. Australia (Qld); Australia (NSW); Hawaiian Is; Indonesia (Java).
aenigmatipatria Hardy, 1964b: 409. Hawaiian Is.
indica Wiedemann, 1824: 33 (*Eumerus*). "Ind. Or."; ? "New Guinea"; India, Nepal, Taiwan.
oceanica Macquart, 1855: 112(92). "Taiti" [not NZ (NZ), error]; Australia (Qld, WA), French Polynesia (Marquesas, Society Is), Hawaiian Is, "New Guinea," Solomon Is.
luteinervis de Meijere, 1908b: 226. PNG (PNG).
orientalis Macquart, 1842: 136(76). India; Australia (NT, Qld), Hawaiian Is, Indonesia (Maluku), Micronesia; widesp. Oriental Reg.
amboinensis Doleschall, 1858: 97. Indonesia (Maluku).
snyderi Shiraki, 1963: 162. Bonin Is.

Subtribe XYLOTINA

Genus CHALCOSYRPHUS Curran

CHALCOSYRPHUS Curran, 1925b: 122 (*Chalcomyia* subg.). Type species: *Chalcomyia atra* Curran, 1925 [= *Chalcomyia depressus* Shannon, 1925], orig. des.

Subgenus HARDYIMYIA Ferguson

HARDYIMYIA Ferguson, 1926b: 533 (as gen.). Type species: *Chrysotoxum elongatum* Hardy, 1921, orig. des.

elongatus Hardy, 1921a: 13 (*Chrysotoxum*). Australia (Tas); Australia (ACT, NSW, Qld, SA, Vic).

Subgenus NEPLONEURA Hippha

NEPLONEURA Hippha, 1978: 125 (as gen.). Type species: *Neploneura melanocephala* Hippha, 1978, orig. des.

melanocephala Hippha, 1978: 145 (*Neploneura*). Indonesia (Irian Jaya).

pleuralis Kertész, 1901c: 413 (*Xylota*). Australia (NSW); Australia (Qld).

ventralis Walker, 1858b: 96 (*Xylota*). Indonesia (Maluku).

victoriensis Ferguson, 1926b: 530 (*Xylota*). Australia (Vic).

Genus XYLOTA Meigen

ZELIMA Meigen, 1800: 34. Suppressed by I.C.Z.N., 1963b: 339.

HELIOPHILUS Meigen, 1803: 273. Type species: *Musca sylvarum* Linnaeus, 1758, mon.

XYLOTA Meigen, 1822: 211 (unnec. n. n. for *Heliophilus*). [In the interests of stability and common usage, the author prefers to retain the name *Xylota*, whereas *Heliophilus* has priority.]

aeneimaculata de Meijere, 1908b: 227. Indonesia (Irian Jaya).

boninensis Shiraki, 1963: 156. Bonin Is.

unicolor Shiraki, 1963: 158. Bonin Is.

coeruleopicta Hippha, 1978: 133. Indonesia (Maluku).

flavitarsis Macquart, 1846: 262(134). "Nouvelle-Hollande"; Australia (ACT, NSW, Tas, Vic).

iriana Hippha, 1978: 133. Indonesia (Irian Jaya).

novaeguineae Hippha, 1978: 132. Indonesia (Irian Jaya).

Unplaced species of Syrphidae

fuscicolor Bigot, 1884c: 116 (*Ocyptamus*). New Caledonia (New Caledonia).

fuscicolor Bigot, 1885m: 252 (*Ocyptamus*). New Caledonia (New Caledonia). [Preocc. Bigot, 1884.]

lamus Walker, 1849: 562 (*Milesia*). Not given [unknown].

moerens Doleschall, 1858: 99 (*Pipiza*). Indonesia (Maluku).