

- similans* Becker, 1924, Ent. Mitt. 13: 15 (♂ ♀; *Pipunculus*). Type-loc: Taihoku, Formosa. For complete synonymy refer to Hardy (1956: 4).
- sylvatica* (Meigen). -- Widespread Oriental; Palaearctic, Nearctic, Ethiopian regions.  
1824, Syst. Besch. europ. zweifl. Insekt. 4: 20 (sex?). Type-loc: Europe.
- synadelphina* Perkins. -- Philippines [Luzon]; Australia, Bismarck Islands.  
1905, Bull. Hawaiian Sug. Plrs' Ass. Exp. Stn 1(4): 150 (♂; *Pipunculus*). Type-loc: Bundaberg, Queensland, Australia.
- synadelphoides* (de Meijere). -- Java, ?Philippines [Luzon].  
1914, Tijdschr. Ent. 57: 172 (♂ ♀; *Pipunculus*). Type-loc: Semarang, Java.
- unnamed sp. nr. *nyctias*. -- Philippines [Luzon, Busuanga].  
Hardy, 1968, Ent. Meddr 36: 490 (♂).
- unnamed sp. nr. *subvirescens*. -- Philippines [Tawi Tawi].  
1968, Ent. Meddr 36: 489 (♀).

#### Unplaced species of Pipunculidae

- gracilis* Kertész. -- Formosa.  
1912, Annls hist.-nat. Mus. natn. hung. 10: 287 (♂; *Dorylas*). Type-loc: Takao, Formosa. Probably *Dorylomorpha*.
- mirabilis* Brunetti. -- India [Assam].  
1912, Rec. Indian Mus. 7: 492 (♀; *Pipunculus*). Type-loc: Margherita, Assam, India. Probably *Tomosvaryella*.

## Family SYRPHIDAE

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The Syrphidae, "hover flies" or "flower flies," are one of the major groups of Diptera, with about 5,000 described species. The adults of many species are mimics of bees or wasps, are strikingly colored, or of unusual structure, and they are frequently collected. Many adults visit flowers and they are of great value in pollination of economically important plants. Adult Syrphidae are easily recognized by the special wing venation: spurious longitudinal vein present (except *Graptomysa*), basal cells long, and apical cells closed. Larvae and puparia can be distinguished by the contiguous posterior spiracular tubes. The larvae of many Syrphinae are important natural enemies of aphids, scale insects, and other small, soft-bodied insects. Larvae of Milesiinae are generally saprophagous in many kinds of aquatic and semi-aquatic situations. Larvae of Microdontinae are associated with ant nests. None of the Syrphidae are pests except for a few species of *Eristalis* that occasionally cause human myiasis and a few species that are important saprophages in bulbs of cultivated plants.

A total of 84 genera and 771 species are known from the Oriental region. All of the original literature was examined during preparation of this catalog. Included are 80 new combinations, 5 new generic, and 15 new specific synonyms; most of these are based on recent type examinations by J. R. Vockeroth. Five species are given new names.

We have followed the established usage of the generic names *Syrphus* Fabricius, *Cheilosia* sensu Meigen, *Eristalis* Latreille, *Xylota* Meigen, and *Milesia* Latreille. See Stone, et al. (1965) for a more complete synonymy and discussion of the nomenclature problems involved with these genera (except *Milesia*, see below).

We thank George C. Steyskal for checking the nomenclature and offering many improvements in grammatical treatment.

*References:* Bhatia 1931, 1939; Bhatia and Shaffi 1933 (biol., imm. stages Indian spp.); Boyes, et al. 1964-1971 (cytology); Brunetti 1923b (India); Chandler 1968 (eggs); Coe 1964 (Nepal); Curran 1928, 1931a, b (Malaya, Borneo); Dixon 1960 (imm. stages British spp); Hartley 1963 (larval morph.); Heiss 1938 (class. imm. stages Ill. spp.); Hennig 1952 (world rev., imm. stages); Hull 1936 (checklist Indo-Austr.), 1949 (generic rev. for world); Keiser 1958 (Ceylon); Kertész 1910 (world cat.); Metcalf 1921 (♂ genitalia); Roberts 1970 (larval morph.); Schneider 1969 (bionomics, physiol.); Shiraki 1930 (Formosa).

## Subfamily SYRPHINAE

References: Schneider 1969 (biol. aphidophagous spp.); Vockeroth 1969 (tribal classif.).

## Tribe SYRPHINI

Reference: Vockeroth 1969 (rev. world genera).

## Genus ALLOGRAPTA Osten Sacken

*Allograpta* Osten Sacken, 1875, Bull. Buffalo Soc. nat. Sci. 3: 49. Type-species, *Scaeva obliqua* Say, by monotypy.

*Miogramma* Frey, 1946, Notul. ent. 25: 165. Type-species, *Syrphus javanus* Wiedemann, by original designation.

*Helenomyia* Bankowska, 1962, Bull. Acad. pol. Sci. Cl. II. Ser. Sci. Biol. 10: 311. Type-species, *Syrphus javanus* Wiedemann, by original designation.

References: Frey 1946 (key); Bhatia and Shaffi 1933 (biol., imm. stages).

*javana* (Wiedemann). — Borneo, Ceylon, China, Formosa, India [Madras, Mysore], Java, Malaya, Philippines, Sumatra, Thailand; Australia, Fiji, Guadalcanal, Hawaii, Japan, Korea, New Guinea.

1824, *Analecta Ent.*: 34 (sex?; *Syrphus*). Type-loc: Java.

*distinctus* Kertész, 1899, *Természetr. Füz.* 22: 177 (♀; *Melithreptus*). Type-loc: Erima, Astrolabe Bay, New Guinea.

*kinabalensis* (Curran). — Borneo.

1931, *J. fed. Malay St. Mus.* 16: 350 (♂ ♀; *Syrphus*). Type-loc: Mt Kinabalu, Marei Parei (5000 ft), N Borneo.

*maculipleura* (Brunetti). — India [Assam, Madras], Laos.

1913, *Rec. Indian Mus.* 8: 162 (♀; *Syrphus*). Type-loc: Rotung, NE Frontier, Assam, India.

*bouvieri* Hervé-Bazin, 1923, *Bull. Soc. ent. Fr.* 1923: 26 (♂ ♀; *Xanthogramma*). Type-locs: Laos; Trichinopoly and Coonoor, Nilghiri, India.

*medanensis* (de Meijere). — Sumatra.

1914, *Tijdschr. Ent.* 57: 165 (♂ ♀; as *Sphaerophoria javana* var.). Type-loc: Medan, Sumatra.

*nasutas* (Macquart). — Not Oriental; Ethiopian.

*obscuricornis* (de Meijere). — Java.

1914, *Tijdschr. Ent.* 57: 165 (♂; *Sphaerophoria*). Type-loc: Gunung Gede, Java.

*philippina* (Frey). — Philippines [Luzon].

1946, *Notul. ent.* 25: 167 (♀; *Miogramma*). Type-loc: Balbalasang, Luzon, Philippines.

*purpureicollis* (Frey). — Sumatra.

1946, *Notul. ent.* 25: 167 (♂; *Miogramma*). Type-loc: Ost-Sumatra.

*robinsoni* (Curran). — Malaya.

1928, *J. fed. Malay St. Mus.* 14: 208 (♂ ♀; *Syrphus*). Type-loc: Rhododendron Hill, Cameron Highlands (5200 ft), Pahang, Malaya.

*nigrotibialis* Curran, 1928, *J. fed. Malay St. Mus.* 14: 241 (♀; *Sphaerophoria*). Type-loc: Kuala Tahan (300 ft), Pahang, Malaya. N. synonymy.

## Genus ASARKINA Macquart

*Asarkina* Macquart, 1842, *Dipt. exot.* 2(2): 77 (137). Type-species, *Scaeva rostrata* Wiedemann, by monotypy.

*Ancylsyrphus* Bigot, 1882, *Annlis Soc. ent. Fr.* (6) 2 (Bull): lxxviii. Type-species, *Syrphus salviae* Fabricius, by original designation.

Reference: Curran 1931 (key).

## Subgenus ASARKINA Macquart

*assimilis* (Macquart). — India.

1846, *Dipt. exot. Suppl.* 1: 135 (263) (♂; *Syrphus*). Type-loc: India. N. comb.

*biroi* Bezzi. — Borneo, Java, Malaya, Sumatra, Sumbawa; New Guinea.

1908, *Annlis hist.-nat. Mus. natn. hung.* 6: 502 (♀). Type-loc: Erima, Astrolabe Bay, New Guinea.

*cingulata* (Bigot). — Sula; Moluccas (Mysol).

1884, *Annlis Soc. ent. Fr.* (6) 4: 85 (♀; *Melanostoma*). Type-loc: Mysol, Moluccas. N. comb.

*consequens* (Walker). — Borneo, Celebes, Formosa, India, Java, Malaya, Philippines [Samar, Palawan, Mindanao], Sumatra, Sumbawa; New Guinea, Samoa.

1857, *J. Linn. Soc. Lond.* 1: 18 (♂ ♀; *Syrphus*). Type-locs: Singapore, and M: Ophir (Malaya).

*striata* van der Wulp, 1881, *Midden-Sumatra Exped.*, *Dipt.* 4: 32 (♂ ♀; *Syrphus*). Type-locs: Rawas; Palembang, Sumatra.

*kelantanensis* Bezzi, 1908, *Annlis hist.-nat. Mus. natn. hung.* 6: 499 (♀; as *ericetorum* var.). Type-loc: Kelantan, Malacca, Malaya.

var. *exilis* Curran. — Malaya.

1928, *J. fed. Malay St. Mus.* 14: 235 (♂). Type-loc: Jor Camp (1800 ft), Batang Padang, Perala, Malaya.

*ericetorum* (Fabricius). — throughout Oriental region; Africa, Australia, Fiji, Moluccas (Amboina), New Guinea, Samoa.

1781, *Spec. Insect.* 2: 425 (sex?; *Syrphus*). Type-loc: "Africa aequinoctial."

*incisuralis* Macquart, 1855, *Dipt. exot. Suppl.* 5: 94 (114) (♀; *Syrphus*). Type-loc: "Inde."

*diaphana* Doleschall, 1857, *Natuurk. Tijdschr. Ned.-Indië* 14: 409 (sex?; *Didea*). Type-loc: Amboina, Moluccas.

*macquarti* Doleschall, 1857, *Natuurk. Tijdschr. Ned.-Indië* 14: 408 (sex?; *Didea*). Type-loc: Amboina, Moluccas.

ssp. *formosae* Bezzi. — Ceylon, Formosa, Sumbawa.

1908, *Annlis hist.-nat. Mus. natn. hung.* 6: 499 (♂ ♀). Type-loc: Takao, Formosa.

- eurytaeniata* Bezzi. — Bali, Borneo, Flores, Formosa, Malaya, Philippines [Luzon, Mindanao], Simuluë Island, Sumatra, Guadalcanal.  
1908, *Annl. hist.-nat. Mus. natn. hung.* 6: 501 (♀). Type-loc: Kelantan, Malacca, Malaya.
- fumipennis* Sack. — Formosa.  
1913, *Ent. Mitt.* 2: 3 (♀). Type-locs: Yamo, and Chip-Chip, Formosa.
- incompleta* Curran. — Java, Malaya.  
1928, *J. fed. Malay St. Mus.* 14: 239 (♂ ♀). Type-locs: Gunung Terbakar (4500 ft), Lubok Tamang, Pahang, Malaya; and Papandajan (5500–7000 ft), Preanger Regency, Java.
- laticornis* Curran. — Malaya, Thailand.  
1928, *J. fed. Malay St. Mus.* 14: 235 (♂). Type-loc: Khao Luang (5800 ft), Nakhon Si Thammarat, Thailand.
- morokaensis* de Meijere. — Borneo, Java; New Guinea.  
1908, *Tijdschr. Ent.* 51: 308 (♂ ♀). Type-loc: Moroka, New Guinea.
- nigripes* Curran. — Malaya.  
1923, *J. fed. Malay St. Mus.* 14: 236 (♂). Type-loc: Tanah Rata (4800 ft), Cameron Highlands, Pahang, Malaya.
- orientalis* Bezzi. — China, Malaya, Philippines [Luzon, Palawan].  
1908, *Annl. hist.-nat. Mus. natn. hung.* 6: 498 (♂ ♀; as *ericetorum* var.). Type-locs: China, and Malaya.
- porcina porcina* (Coquillett). — Ceylon, China [Fukien], Formosa, India [Assam, W Bengal]; Japan.  
1898, *Proc. U.S. natn. Mus.* 21: 322 (♂ ♀; *Syrphus*). Type-loc: Japan.
- ribbei* Bezzi. — Sumbawa; New Britain, New Guinea.  
1908, *Annl. hist.-nat. Mus. natn. hung.* 6: 501 (♂ ♀). Type-locs: Kinigunang, New Pomerania, and Friedrich-Wilhelmshafen, Stephansort, New Guinea.
- rufofasciata* (Macquart). — Java.  
1850, *Dipt. exot. Suppl.* 4: 149 (453) (♀; *Syrphus*). Type-loc: Java. N. comb.
- salviae* (Fabricius). — Borneo, India, Malaya; Africa, Guadalcanal, Moluccas (Amboina).  
1794, *Ent. Syst.* 4: 306 (sex?; *Syrphus*). Type-loc: Sierra Leone, Africa.

### Genus BETASYRPHUS Matsumura

- Betasyrphus* Matsumura, 1917, *Ent. Mag. Kyoto* 2: 143. Type-species, *Syrphus serarius* Wiedemann, by original designation.  
*References:* Bhatia and Shaffi 1933 (biol., imm. stages).
- albipilus* (Coe). — Nepal.  
1964, *Bull. Br. Mus. nat. Hist. (Ent.)* 15: 263 (♀; *Syrphus*). Type-loc: Arun Valley, Tumlingtar Plateau, E Nepal. N. comb.
- serarius* (Wiedemann). — throughout SE Asia; Australia, Japan, Korea, New Guinea.  
1830, *Aussereurop. zweifl. Insekt.* 2: 128 (♀; *Syrphus*). Type-loc: China.

### Genus CITROGRAMMA Vockeroth

- Citrogramma* Vockeroth, 1969, *Mem. ent. Soc. Can.* 62: 92. Type-species, *Syrphus hervebazini* Curran, by original designation.
- circumdatum* (de Meijere). — Borneo; New Guinea.  
1908, *Tijdschr. Ent.* 51: 306 (♂ ♀; *Syrphus*). Type-loc: Moroka, New Guinea. N. comb.
- citrinum* (Brunetti). — Ceylon, India [Assam, Mysore], Malaya, Thailand.  
1923, *Fauna Br. India, Dipt.* 3: 95 (♂ ♀; *Xanthogramma*). Type-loc: Mangaldai, Assam, India.
- clarum* (Hervé-Bazin). — Borneo, Java, Laos, Philippines [Luzon].  
1923, *Bull. Soc. ent. Fr.* 1923: 25 (♂; *Olbiosyrphus*). Type-loc: Chapa (Tonkin), Laos.
- difficile* (Curran). — Malaya.  
1928, *J. fed. Malay St. Mus.* 14: 213 (♂ ♀; *Syrphus*). Type-locs: Rhododendron Hill (5200 ft), and Cameron Highlands No. 4 Camp (4800 ft), Pahang, Malaya.
- fascipleura* (Curran). — Borneo.  
1931, *J. fed. Malay St. Mus.* 16: 352 (♂; *Syrphus*). Type-loc: Mt Kinabalu, Kenokok (3300 ft), N Borneo. N. comb.
- gedehanum* (de Meijere). — Java.  
1914, *Tijdschr. Ent.* 57: 156 (♂; *Syrphus*). Type-loc: Gunung Gede, Java. N. comb.
- hervebazini* (Curran). — Malaya; Sarawak.  
1928, *J. fed. Malay St. Mus.* 14: 207 (♂; *Syrphus*). Type-loc: Rhododendron Hill, Cameron Highlands (5200 ft), Pahang, Malaya.
- pendleburyi* (Curran). — Malaya.  
1928, *J. fed. Malay St. Mus.* 14: 206 (♂; *Syrphus*). Type-loc: Seat Point, Gunung Tahan, Pahang (5460 ft), Malaya. N. comb.
- variscutatum* (Curran). — Malaya, Thailand.  
1928, *J. fed. Malay St. Mus.* 14: 210 (♂ ♀; *Syrphus*). Type-locs: Seat Point (5460 ft), Gunung Tahan, Pahang (5500 ft); Padang (6000–7100 ft); Gunung Kechau (6300 ft); Cameron Highlands, Gunung Berumban (6050 ft); Rhododendron Hill (5200 ft), Pahang, Malaya, and Nakhon Si Thammarat, Khao Luang (2000 ft), Thailand.

### Genus DASYSYRPHUS Enderlein

- Dasysyrphus* Enderlein, 1938, *Sber. Ges. naturf. Freunde Berl.* 1937: 208. Type-species, *Scaeva albostrigata* Fallén, by original designation.
- albostrigatus* (Fallén). — Not Oriental; Palearctic.
- bilineatus* (Matsumura). — Formosa; Japan.  
1917, *Ent. Mag. Kyoto* 3: 38 (♂; *Syrphus*). Type-loc: Sapporo, Hokkaido, Japan.
- brunettii* (Hervé-Bazin). — India [Himachal Pradesh, W Bengal], Nepal.  
1924, *Annl. Soc. ent. Fr.* 92: 290 (*Syrphus*; n. name for *albostrigatus* of Brunetti, not Fallén). N. comb.
- albostrigatus* Brunetti, 1923, *Fauna Br. India, Dipt.* 3: 72 (♂ ♀; misidentification). Type-locs: Mundali, Dehra Dun District; Matiana, Simla District; Darjeeling and Kurseong, India.

- koningsbergi* (de Meijere). — Borneo, Java.  
1914, Tijdschr. Ent. 57: 152 (♂; *Syrphus*). Type-loc: Pangerango, W Java.
- latistrigatus* (de Meijere). — Java.  
1914, Tijdschr. Ent. 57: 153 (♂; *Syrphus*). Type-loc: Pangerango, Java. N. comb.
- orsua* (Walker). — Ceylon, India, Sumatra.  
1852, Insecta Saundersiana 1: 231 (sex?; *Syrphus*). Type-loc: East Indies.
- serarioides* (de Meijere). — Borneo, Java.  
1924, Tijdschr. Ent. 67: 218 (♂ ♀; *Syrphus*). Type-loc: Pangerango, W Java.

### Genus DIDEA Macquart

- Didea* Macquart, 1834, Hist. nat. Ins. Dipt. 1: 508. Type-species, *fasciata* Macquart, by monotypy.
- fasciata* Macquart. — Formosa, India [Assam]; Palaearctic.  
1834, Hist. nat. Ins. Dipt. 1: 508 (♂). Type-loc: Paris, France.

### Genus DIDEOIDES Brunetti

- Dideoides* Brunetti, 1908, Rec. Indian Mus. 2: 54. Type-species, *ovatus* Brunetti, by monotypy.
- Dideodes* Matsumura, 1917, Ent. Mag. Kyoto 2: 140. Type-species, *Syrphus latus* Coquillett, by original designation.
- Malayomyia* Curran, 1928, J. fed. Malay St. Mus. 14: 225. Type-species, *pretiosus* Curran, by original designation.
- chrysotoxoides* (Curran). — Thailand.  
1928, J. fed. Malay St. Mus. 14: 201 (♀; *Syrphus*). Type-loc: Nakhon Si Thammarat, Khao Luang (5800 ft), Thailand. N. comb.
- consimilis* (Macquart). — Java.  
1849, Dipt. exot. Suppl. 4: 150 (454) (♂ ♀; *Syrphus*). Type-loc: Java. N. comb.
- coquilletti* (van der Goot). — China [Fukien], Formosa; Japan.  
1964, Beaufortia 10: 218 (*Syrphus*; n. name for *lautus* Coquillett).
- lautus* Coquillett, 1898, Proc. U.S. natn. Mus. 21: 322 (♀; *Syrphus*; preocc. Giglio-Tos 1892). Type-loc: Japan.
- depressus* (de Meijere). — Java, Sumatra.  
1914, Tijdschr. Ent. 57: 153 (♂; *Syrphus*). Type-loc: Gunung Gede, Java. N. comb.
- kempi* Brunetti. — India [Assam].  
1923, Fauna Br. India, Dipt. 3: 59 (♂ ♀). Type-loc: Tura, Garo Hills, Assam, India.
- latus* (Coquillett). — China [Fukien], Formosa; Japan.  
1898, Proc. U.S. natn. Mus. 21: 322 (♀; *Syrphus*). Type-loc: Japan.
- ssp. *formosanus* (Matsumura). — Formosa.  
1910, Keiseisha, Tokyo 46 (♂; *Syrphus*; as sp.). Type-loc: Taihoku, Tainan.
- ovatus* Brunetti. — India [Assam, Sikkim, W Bengal], Laos.  
1908, Rec. Indian Mus. 2: 54 (♂ ♀). Type-loc: Sikkim, India.

- pellucidipennis* (Coc). — Nepal.  
1964, Bull. Br. Mus. nat. Hist. (Ent.) 15: 259 (♀; *Syrphus*). Type-loc: Taplejung District, E Nepal. N. comb.
- pretiosus* (Curran). — Malaya.  
1928, J. fed. Malay St. Mus. 14: 226 (♂; *Malayomyia*). Type-loc: Rhododendron Hill (5200 ft), Cameron Highlands, Pahang, Malaya.
- tigerinus* (Bigot). — India [Assam].  
1885, Anns Soc. ent. Fr. (6) 5: 249 (♂; *Ischyrosyrphus*). Type-loc: India.
- trilineatus* Brunetti. — Burma.  
1923, Fauna Br. India, Dipt. 3: 62 (♂). Type-loc: Myitkyina District, Burma.

### Genus DIDEOPSIS Matsumura

- Dideopsis* Matsumura, 1917, Ent. Ent. Mag. Kyoto 2: 142. Type-species, *Eristalis aegrotus* Fabricius, by original designation.
- Aegrotomyia* Frey, 1946, Notul. ent. 25: 158. Type-species, *Eristalis aegrotus* Fabricius, by original designation.
- aegrota* (Fabricius). — Nepal, throughout SE Asia; Australia, Moluccas (Amboina), New Guinea.  
1805, Syst. Antliat.: 243 (♀; *Eristalis*). Type-loc: China.
- fascipennis* Macquart, 1834, Hist. nat. Ins. Dipt. 1: 537 (♂; *Syrphus*). Type-loc: Java.
- ellenriederi* Doleschall, 1857, Natuurk, Tijdschr. Ned.-Indië 14: 407 (sex?; *Didea*). Type-loc: Amboina, Moluccas.
- infirmus* Rondani, 1875, Annali Mus. civ. Stor. nat. Giacomo Doria 7: 423 (♀; *Syrphus*). Type-loc: Sarawak, Borneo.
- pura* (Curran). — Indochina, Malaya.  
1928, J. fed. Malay St. Mus. 14: 230 (♀; *Asarkina*). Type-loc: Ampang (600 ft), Selangor, Malaya.

### Genus EOSPHAEROPHORIA Frey

- Eosphaerophoria* Frey, 1946, Notul. ent. 25: 169. Type-species, *marginata* Frey, by original designation.
- Tambavanna* Keiser, 1958, Revue suisse Zool. 65: 202. Type-species, *dentiscutellata* Keiser, by original designation.
- dentiscutellata* (Keiser). — Ceylon, Indochina.  
1958, Revue suisse Zool. 65: 202 (♂; *Tambavanna*). Type-loc: Kandy, Deiyannawela, Ceylon.
- marginata* Frey. — Philippines [Luzon].  
1946, Notul. ent. 25: 169 (♂ ♀). Type-loc: Mt Banahao, Luzon, Philippines.

### Genus EPISTROPHE Walker

- Epistrophe* Walker, 1852, Insecta Saundersiana 3: 242. Type-species, *conjungens* Walker, by monotypy, = *grossulariae* (Meigen).

Subgenus *EPISTROPHE* Walker

- aequalis* (Walker). — India [Punjab], ?Java.  
1852, *Insecta Saundersiana* 1: 226 (♂; *Xylota*). Type-loc: East Indies. N. comb.
- distinctus* Brunetti, 1915, *Rec. Indian Mus.* 11: 211 (♂). Type-loc: Tolpan, Garhwal District, W Himalaya, India.
- exul* (Curran). — Malaya.  
1928, *J. fed. Malay St. Mus.* 14: 215 (♂ ♀; *Syrphus*). Type-locs: Rhododendron Hill (5200 ft), Cameron Highlands, and Seat Point (5460 ft), Gunong Tahan, Pahang, Malaya.
- griseocincta* (Brunetti). — India [Uttar Pradesh].  
1923, *Fauna Br. India, Dipt.* 3: 77 (♂; *Syrphus*). Type-loc: Bogarkote, Kumaon, W Himalayas (8000 ft), India. N. comb.
- hirsuteron* (Curran). — Borneo.  
1931, *J. fed. Malay St. Mus.* 16: 353 (♂; *Syrphus*). Type-loc: Mt Kinabalu, Pakka (10,200 ft), N Borneo.

Subgenus *EPISTROPHELLA* Dušek and Láska

- Epistrophe* Dušek and Láska, 1967, *Přírodov. Pr. Cesk. Akad. Věd.* 1: 368. Type-species, *Syrphus euchromus* Kowarz, by original designation.
- horishana* (Matsumura). — Formosa, India [W Bengal], Laos, Philippines; Japan.  
1917, *Ent. Mag. Kyoto* 3: 24 (♂; *Syrphus*). Type-loc: Philippines.
- quinquevittatus* Brunetti, 1923, *Fauna Br. India, Dipt.* 3: 81 (♂ ♀; *Syrphus*). Type-loc: Darjeeling District, Kalimpong, India.

Genus *EPISYRPHUS* Matsumura and Adachi

- Episyrphus* Matsumura and Adachi, 1917, *Ent. Mag. Kyoto* 2: 134. Type-species, *Musca balteata* De Geer, by designation of Matsumura and Adachi (1917: 16).  
*Reference:* Bhatia and Shaffi 1933 (biol., imm. stages).
- alternans* (Macquart). — throughout Oriental region; Australia, Japan, Tibet.  
1842, *Dipt. exot.* 2(2): 89 (149) (♂ ♀; *Syrphus*). Type-loc: Coromandel, India.
- arcifer* (Sack). — Formosa, Malaya, Nepal.  
1927, *Stettin. ent. Ztg* 88: 306 (♂ ♀; *Syrphus*). Type-locs: Kankau, and Fuhosho, Formosa.
- balteatus* (De Geer). — entire Oriental region; Australia, Bonin Islands, Palaearctic.  
1776, *Mém. pour serv. Hist. Ins.* 6: 116 (sex?; *Musca*). Type-loc: Europe.
- nectareus* Fabricius, 1787, *Mantissa Insect.* 2: 341 (sex?; *Musca*). Type-loc: Denmark.
- pleuralis* Thomson, 1869, in *K. svenska fregatten Eugenie* resa, *Zool., Dipt.*: 497 (♂; *Syrphus*). Type-loc: China.
- triligatus* Walker, 1857, *J. Linn. Soc. Lond.* 1: 19 (♂; *Syrphus*). Type-loc: Mt Ophir, Malaya.
- contractus* (Keiser). — Sumbawa.  
1952, *Verh. naturf. Ges. Basel* 63: 159 (♀; *Epistrophe*). Type-loc: Sumbawa. N. comb.

- divertens* (Walker). — Borneo, Formosa, Thailand.  
1857, *J. Linn. Soc. Lond.* 1: 124 (♀; *Syrphus*). Type-loc: Sarawak, Borneo.
- claviger* Sack, 1927, *Stettin. ent. Ztg* 88: 308 (♀; *Syrphus*). Type-loc: Fuhosho, Formosa.
- graptus* (Hull). — Formosa.  
1944, *Psyche, Camb.* 51: 22 (♂; *Syrphus*). Type-loc: Sozan, Formosa.
- heterogaster* (Thomson). — China.  
1869, in *K. svenska fregatten Eugenie* resa, *Zool., Dipt.*: 498 (♀; *Syrphus*). Type-loc: China. N. comb.
- nectarinus* (Wiedemann). — SE Asia to Japan; Australia, New Guinea.  
1830, *Aussereurop. zweifl. Insekt.* 2: 128 (♂ ♀; *Syrphus*). Type-loc: China.
- obligatus* (Curran). — Malaya.  
1931, *J. fed. Malay St. Mus.* 16: 316 (♂ ♀; *Syrphus*). Type-loc: Kedah Peak (3000-3950 ft), Malaya.
- viridaureus* (Wiedemann). — Java, Malaya; New Caledonia.  
1824, *Analecta Ent.*: 35 (♂; *Syrphus*). Type-loc: Java.

Genus *ERIOZONA* Schiner

- Eriozona* Schiner, 1860, *Wien. ent. Mschr.* 4: 214. Type-species *Syrphus oestriformis* Meigen, by original designation, = *syrphoides* (Fallén).
- analis* Kertész. — India [Sikkim], Nepal.  
1901, *Természetr. Füz.* 24: 414 (♂). Type-loc: Sikkim, India.
- ruficauda* Brunetti, 1907, *Rec. Indian Mus.* 1: pl. xi, fig. 2 (♀); 1908, *Rec. Indian Mus.* 2: 56. Type-loc: Sikkim, India.
- nigroscutellata* Shiraki. — Formosa.  
1930, *Mem. Fac. Agric. Taihoku imp. Univ.* 1: 333 (♀). Type-locs: Ryoichi, and Daisuikutsu, Formosa.

Genus *ISCHIODON* Sack

- Ischiodon* Sack, 1913, *Ent. Mitt.* 2: 5. Type-species, *trochanterica* Sack, by monotypy, = *scutellaris* (Fabricius).  
*References:* Lal and Gupta 1953; Lal and Haque 1955 (biol., imm. stages).
- scutellaris* (Fabricius). — SE Asia to Japan; Australia, Hawaii, Micronesia.  
1805, *Syst. Antliat.*: 252 (sex?; *Scaeva*). Type-loc: Tranquebar, India.
- coromandelensis* Macquart, 1842, *Dipt. exot.* 2(2): 89 (149) (♂; *Syrphus*). Type-loc: cote de Coromandel (India).
- splendens* Doleschall, 1856, *Natuurk. Tijdschr. Ned.-Indië* 10: 410 (sex?; *Syrphus*). Type-loc: Java.
- erythropygus* Bigot, 1884, *Annls Soc. ent. Fr.* (6) 4: 87 (♂; *Syrphus*). Type-loc: "Indes."
- novaeguineae* Kertész, 1899, *Természetr. Füz.* 22: 178 (♂; *Melithreptus*). Type-locs: Friedrich-Wilhelmshafen and Erima, New Guinea.
- trochanterica* Sack, 1913, *Ent. Mitt.* 2: 6 (♂). Type-locs: Kanshizei, Polische, Suihenkyaku, Tainah, and Takao, Formosa.
- platychiroides* Frey, 1946, *Notul. ent.* 25: 164 (♂). Type-loc: Atimonan, Quezon, Luzon, Philippines.
- magnicornis* Shiraki, 1963, *Insects Micronesia* 13: 141 (♀; *Epistrophe*). Type-loc:

Wena (Moen), Truk, Caroline Islands.

### Genus ISCHYROSYPHUS Bigot

*Ischyrosyrphus* Bigot, 1882, Anns Soc. ent. Fr. (6) 2 (Bull.): lxxviii. Type-species, *sivae* Bigot, by designation of Kirby (1883: 244).

*sivae* Bigot. — India.

1882, Anns Soc. ent. Fr. (6) 2 (Bull.): lxxviii (♂). Type-loc: India.

### Genus MELISCAEVA Frey

*Epistrophe*, subg. *Meliscaeva*, Frey, 1946, Notul. ent. 25: 164. Type-species, *Scaeva cinctella* Zetterstedt, by original designation.

References: Scott 1939; Dixon 1960 (biol., imm. stages).

*abdominalis* (Sack). — Formosa.

1927, Stettin. ent. Ztg 88: 310 (♂; *Bacchu*). Type-loc: Toa Tsu Kutsu, Formosa. N. comb.

*ceylonica* (Keiser). — Ceylon.

1958, Revue suisse Zool. 65: 198 (♂ ♀; *Metepistrophe*). Type-loc: Pidrutalagala (2000–2400 m), Ceylon.

*cinctella* (Zetterstedt). — Ceylon, Formosa, India [Himachal Pradesh, W Bengal], Nepal; Palaearctic.

1843, Dipt. Scandinaviae 2: 742 (♂ ♀; *Syrphus*). Type-loc: Europe.

var. *formosana* (Shiraki). — Formosa.

1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 388 (♂ ♀; *Syrphus*). Type-locs: Shukoran, Royeichi, Daisuikutsu, Arisan, Hassensan, Musha, Kanko, Yamanotaika, and Rantaisan, Formosa.

var. *taiwana* (Shiraki). — Formosa.

1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 387 (♂ ♀; *Syrphus*). Type-locs: Musha and Arisan, Formosa.

*deceptor* (Curran). — Borneo, Malaya.

1928, J. fed. Malay St. Mus. 14: 219 (♂; *Syrphus*). Type-locs: Gunong Kechau (6300 ft); Gunong Tahan, Padang Luas (4900 ft) and (6500 ft), Pahang, Malaya.

*ichthyops* (de Meijere). — Java.

1914, Tijdschr. Ent. 57: 157 (♂ ♀; *Syrphus*). Type-loc: Pangerango, Gunung Gede, Java. N. comb.

*malayensis* (Curran). — Borneo, Malaya.

1928, J. fed. Malay St. Mus. 14: 224 (♂; *Syrphus*). Type-locs: Rhododendron Hill (5200 ft) and Gunong Berumban (6050 ft), Cameron Highlands, Pahang, Malaya.

*melanostomoides* (Hull). — Java, Philippines [Mindanao].

1941, Psyche, Camb. 48: 149 (♂ ♀; *Syrphus*). Type-loc: Tjibodas, Mt Gede (9000 ft), Java.

*monticola* (de Meijere). — Ceylon, Formosa, Java.

1914, Tijdschr. Ent. 57: 159 (♀; *Syrphus*). Type-locs: Gunung Gede, and Tosari, Java. N. comb.

*morna* (Curran). — Borneo, Java, Malaya.

1931, J. fed. Malay St. Mus. 16: 317 (♀; *Syrphus*). Type-loc: Fraser's Hill (4200 ft), Pahang, Malaya.

*nigripes* (de Meijere). — Java.

1914, Tijdschr. Ent. 57: 162 (♀; *Chamaesyrphus*). Type-loc: Gunung Gede, Java. N. comb.

*peteus* (Curran). — Borneo.

1931, J. fed. Malay St. Mus. 16: 349 (♀; *Syrphus*). Type-loc: Mt Kinabalu, Lumu Lumu (5500 ft), N Borneo. N. comb.

*strigifrons* (de Meijere). — Formosa, Java, Malaya.

1914, Tijdschr. Ent. 57: 158 (♂ ♀; as *Syrphus cinctellus* var.). Type-locs: Gede, and Nongkodjadjar, Java.

*tenuiformis* (Curran). — Borneo, Malaya.

1928, J. fed. Malay St. Mus. 14: 222 (♂; *Syrphus*). Type-loc: Gunong Tahan (6500–7100 ft), Pahang, Malaya.

### Genus METASYRPHUS Matsumura

*Metasyrphus* Matsumura, 1917, Ent. Mag. Kyoto 2: 147. Type-species, *Scaeva corollae* Fabricius, by original designation.

References: Bhatia and Shaffi 1933; Bhatia 1939; Scott 1939 (biol., imm. stages).

#### Subgenus METASYRPHUS Matsumura

*confrater* (Wiedemann). — entire Oriental region; Japan, New Guinea.

1830, Aussereurop zweifl. Insekt. 2: 120 (♀; *Syrphus*). Type-loc: China.

*cranapes* Walker, 1852, Insecta Saundersiana 1: 231 (♂ ♀; *Syrphus*). Type-loc: East Indies.

*mundus* Walker, 1852, Insecta Saundersiana 1: 230 (♂; *Syrphus*). Type-loc: East Indies.

*trilimbatus* Bigot, 1884, Anns Soc. ent. Fr. (6) 4: 86 (♂; *Syrphus*). Type-loc: "Indies."

*corollae* (Fabricius). — Asia including Formosa; N Africa, Palaearctic.

1794, Ent. Syst. 4: 306 (sex?; *Scaeva*). Type-loc: "Killiae."

*latifasciatus* (Macquart). — India [Himachal Pradesh].

1829, Ins. Dipt. N. Fr. 4: 94 (242) (♂; *Syrphus*). Type-loc: Arras, France.

*luniger* (Meigen). — India [Punjab]; Canary Islands, Europe, Japan.

1822, Syst. Besch. europ. zweifl. Insekt. 3: 300 (♂; *Syrphus*). Type-loc: Europe.

*macropterus* (Thomson). — China.

1869, in K. svenska fregatten Eugenie's resa, Zool., Dipt.: 498 (♀; *Syrphus*). Type-loc: China. N. comb.

*torvoides* (de Meijere). — Java.

1914, Tijdschr. Ent. 57: 155 (♀; *Syrphus*). Type-loc: Nongkodjadjar, Java. N. comb.

### Genus SCAEVA Fabricius

*Scaeva* Fabricius, 1805, Syst. Antliat.: 248. Type-species, *Musca pyrastris* Linnaeus, by designation of Curtis (1834: pl. 509).

*Lasiophticus* Rondani, 1845, Nuovi Annali Sci. nat. Bologna (2) 2: 459. Type-species, *Musca pyrastris* Linnaeus, by original designation.

*Catabomba* Osten Sacken, 1877, Bull. U.S. geol. geogr. Surv. Territ. 3: 326. Type-

- species, *Musca pyrastris* Linnaeus, by monotypy.  
*References*: Scott 1939; Brauns 1953, 1954 a,b; Dixon 1960 (biol., imm. stages).
- latimaculata* (Brunetti). — India [Punjab, Rajasthan, Uttar Pradesh], W Pakistan. 1923, Fauna Br. India, Dipt. 3: 68 (♂ ♀; *Lasiophthicus*). Type-locs: Allahabad, Peshawur, Ferozepore, and Abu, India.
- opimius* (Walker). — India. 1852, Insecta Saundersiana 1: 232 (♂; *Syrphus*). Type-loc: East Indies. N. comb.
- selenitica* (Meigen). — China, India [Assam], Indochina; Europe. 1822, Syst. Besch. europ. zweifl. Insekt. 3: 304 (sex?; *Syrphus*). Type-loc: Europe.
- lunatus* Wiedemann, 1830, Aussereurop. zweifl. Insekt. 2: 121 (♀; *Syrphus*). Type-loc: China.
- annamites* Bigot, 1885, Anns Soc. ent. Fr. (6) 5: 250 (♂; *Lasiophthicus*). Type-loc: Cochinchine.

### Genus SPHAEROPHORIA Lepeletier and Serville

- Syrphus*, subg. *Sphaerophoria* Lepeletier and Serville, in Latreille, et al., 1828, Encycl. méth. (Ins.) 10 (2): 513. Type-species, *Musca scripta* Linnaeus, by designation of Rondani (1844: 458).  
*Reference*: Knutson 1972 (rev., biol.).
- assamensis* Joseph. — India [Assam]. 1970, Eos Madr. 45: 168 (♂ ♀). Type-loc: Dunn Bridge (1524 m), Kameng Frontier Division, Assam, India.
- bengalensis* Macquart. — India [Himachal Pradesh, Punjab, Uttar Pradesh, W Bengal], Nepal, W. Pakistan [Baluchistan]; Iran. 1842, Dipt. exot. 2(2): 104 (164) (♂). Type-loc: Bengal, India.  
*flavoabdominalis* Brunetti, 1915, Rec. Indian Mus. 11: 214 (♂ ♀; as form). Type-locs: Baluchistan, Bushire, Katmandu (Nepal), Dharampur (Simla Hills), Agra, Ferozepore.
- cylindrica* (Say). — Not Oriental; Japan, Nearctic.
- formosana* (Matsumura). — Formosa. 1916, Ent. Mag. Kyoto 2: 23 (♂; *Melithreptus*). Type-loc: Heirinbi, Formosa.
- indiana* Bigot. — ?Ceylon, China, India [Himachal Pradesh, W Bengal]; Korea, eastern USSR. 1884, Anns Soc. ent. Fr. (6) 4: 99 (♂). Type-loc: "Indes."  
*nigritarsis* Brunetti, 1915, Rec. Indian Mus. 11: 216 (♂ ♀; as form). Type-locs: Simla, and Kurseong, India.
- macrogaster* (Thomson). — Ceylon, China, India [Madras], Nepal; Australia, Japan, Korea, Manchuria, New Caledonia, New Guinea, eastern USSR. 1869, in K. svenska fregatten Eugénies resa, Zool., Dipt.: 501 (♂ ♀; *Syrphus*). Type-loc: Sydney, Australia.  
*korzana* Bankowska, 1964, Anns zool. Warsz. 22: 339 (♂ ♀). Type-loc: Dephuaud Kujang, Korea.
- poonaensis* Joseph. — India [Maharashtra]. 1967, Bull. Ent. Loyola Coll. 8(2): 1 (♀). Type-loc: Botanical Garden, nr River Bhima, Poona, India.

- scripta* (Linnaeus). — India [Kashmir], Nepal; Palaearctic. 1758, Syst. Nat. Ed. 10: 594 (sex?; *Musca*). Type-loc: Uppsala, Sweden.  
*brunettii* Joseph, 1968, Orient. Insects 1: 243 (♂). Type-loc: Srinagar (1800 m), Kashmir, India.
- viridaenea* Brunetti. — India. 1915, Rec. Indian Mus. 11: 216 (♂ ♀; as form). Type-loc: Simla (2134 m), India.
- vockerothi* Joseph. — Formosa, India [Assam]. 1970, Eos Madr. 45: 165 (♂ ♀). Type-loc: Kinin (198 m), Subansiri Frontier Division, Assam, India.

### Genus SYRPHUS Fabricius

- Syrphus* Fabricius, 1775, Syst. Ent.: 762. Type-species, *Musca ribesii* Linnaeus, by designation of Rondani (1844: 459).  
*References*: Bhatia 1939; Dixon 1960; Dušek and Láška 1964; Scott 1939 (biol., imm. stages).
- ribesii* (Linnaeus). — Not Oriental; North and Central America, Palaearctic.
- torvus* Osten Sacken. — Formosa, India [Himachal Pradesh], Nepal, Thailand; Holarctic. 1875, Proc. Boston Soc. nat. Hist. 18: 139 (♂ ♀). Type-locs: Canada; Colorado, N.H., Mass., R.I., USA.
- vitripennis* Meigen. — Formosa; Europe. 1822, Syst. Besch. zweifl. Insekt. 3: 308 (sex?). Type-loc: Europe.

### Unplaced species of *Syrphus* Fabricius

- aeneifrons* Brunetti. — India [Assam]. 1913, Rec. Indian Mus. 8: 159 (♂). Type-loc: between Kalek and Misshing, NE Frontier, India.
- ambiguus* Shiraki. — Formosa. 1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 376 (♂). Type-loc: Rantaisan, Formosa.
- angustatus* Sack. — Philippines [Luzon]. 1926, Philipp. J. Sci. 29: 568 (♂). Type-loc: Luzon, Philippines.
- bazini* Brunetti. — India [Uttar Pradesh]. 1925, Rec. Indian Mus. 27: 75 (n. name for *rufiventris* Brunetti).  
*rufiventris* Brunetti, 1915, Rec. Indian Mus. 11: 202 (♂; *Pipizella*; preocc. Macquart 1849). Type-loc: Kousanie, Kumaon District, India.
- duplex* Walker. — Malaya. 1857, J. Linn. Soc. Lond. 1: 18 (♂ ♀). Type-loc: Singapore, Malaya.
- fulvifacies* Brunetti. — China [Yunnan], India [Assam], Java, Laos, Nepal, Philippines [Luzon]. 1913, Rec. Indian Mus. 8: 161 (♀). Type-loc: Rotung, NE Frontier, Assam, India.
- himalayanus* Nayar. — India. 1968, Agra Univ. J. Res. 16: 121 (♂). Type-loc: nr Post Office, Monalsu Gorge, NW Himalaya, India.
- isaaci* Bhatia. — India [Assam, Bihar, Uttar Pradesh], Nepal. 1933, Indian J. agric. Sci. 2: 566 (♂ ♀). Type-loc: unknown.

- issikii* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 378 (♂ ♀). Type-locs: Kusukusu, Fuhosho, and Shu-Shu, Formosa.
- minimus* Shiraki. — Formosa; Japan.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 358 (♂ ♀). Type-locs: Noko, Formosa; Hokkaido, Sapporo, Japan.
- neglectus* Wiedemann. — Borneo.  
1830, Aussereurop. zweifl. Insekt. 2: 134 (♂ ♀). Type-loc: "Vaterland?" (Borneo), Rondani (1875: 423).
- remotus* Brunetti. — India.  
1923, Fauna Br. India, Dipt. 3: 78 (♂). Type-loc: Kufri, Simla Hills, India.
- sonami* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 389 (♂ ♀). Type-locs: Arisan, Toroen, Asaki, Kanko, and Karenko, Formosa.
- ssp. *arisanicus* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 391 (sex?). Type-loc: Arisan, Formosa.
- transversus* Brunetti. — India [Assam].  
1913, Rec. Indian Mus. 8: 160 (♀). Type-loc: Sadiya, India.

#### Nomen nudum

- instabilis* Brunetti (MS), Bhatia and Shaffi, 1933, Indian J. agric. Sci. 2: 566.

### Genus XANTHOGRAMMA Schiner

- Xanthogramma* Schiner, 1860, Wien. ent. Mschr. 4: 215. Type-species, *Syrphus ornatus* Meigen, 1822, by designation of Williston (1887: 91), = *pedissequum* (Harris).
- Olbiosyrphus* Mik, 1897, Wien. ent. Ztg 16: 66. Type-species, *Syrphus laetus* Fabricius, by monotypy.  
Schiner proposed *Xanthogramma* without a binomen and without a type-species; therefore the gender may be considered feminine by reason of Schiner (1861: 318).
- arisanica* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 405 (♂ ♀). Type-locs: Arisan, Shishito, Kosempo, and Fuhosho, Formosa.
- calceata* Sack. — Philippines [Negros].  
1926, Philipp. J. Sci. 29: 570 (♀). Type-loc: Canlaon Volcano, Negros Occidental, Philippines.
- fasciata* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 410 (♂ ♀). Type-locs: Rakuraku, and Kosempo, Formosa.
- fumipennis* Matsumura. — Formosa.  
1916, Ent. Mag. Kyoto 2(1): 29 (♂). Type-loc: Horisha, Formosa.
- indica* Nayar. — India [Himachal Pradesh].  
1968, Agra Univ. J. Res. 16: 129 (♀). Type-loc: Kalatop, nr Dalhousie, India.

- pruthii* Deoras. — India [Uttar Pradesh].  
1942, Indian J. Ent. 4: 217 (♂ ♀). Type-loc: Delhi, India.

## Tribe BACCHINI

### Genus BACCHA Fabricius

- Baccha* Fabricius, 1805, Syst. Antliat.: 199. Type-species, *Syrphus elongatus* Fabricius, by designation of Curtis (1839: pl. 737).  
*References:* Curran 1947; de Meijere 1908 (key); Bhatia and Shaffi 1933 (biol., imm. stages).

#### Subgenus ALLOBACCHA Curran

- Baccha*, subg. *Allobaccha* Curran, 1928, J. fed. Malay St. Mus. 14: 251. Type-species, *Baccha rubella* van der Wulp, by original designation.
- amphithoe* Walker. — Ceylon, India [Assam], Formosa south to Flores.  
1849, List Dipt. Br. Mus. 3: 549 (sex?). Type-loc: "E. Ind./ Mulmein."  
*pedicellata* Doleschall, 1856, Natuurk. Tijdschr. Ned.-Indië 10: 411 (sex?). Type-loc: Java.  
*bicincta* de Meijere, 1910, Tijdschr. Ent. 53: 104 (♂ ♀). Type-locs: Batavia (Jakarta), Tandjong Priok, Bekasi, Java and Krakatau.  
*flavopunctata* Brunetti, 1913, Rec. Indian Mus. 8: 165 (♀). Type-loc: Dibrugarh, Assam, India.  
*fulvicostalis* Matsumura, 1916, Thousand Insects Japan 2: 226 (♀). Type-loc: Formosa.
- apicalis* Loew. — Ceylon, Formosa, India [Uttar Pradesh], Java, Malaya, Philippines; Bonin Islands, Japan.  
1858, Wien. ent. Mschr. 2: 106 (♀). Type-loc: Japan.  
*pulchrifrons* Austen, 1893, Proc. zool. Soc. Lond. 1893: 139 (♂ ♀). Type-loc: Hot Wells, Trincomali, Ceylon.  
*apicenotata* Brunetti, 1915, Rec. Indian Mus. 11: 221 (♀). Type-loc: Bhowali (5700 ft), W Himalayas (Kumaon), India.
- bicolor* Austen. — Sula; Moluccas (Mysol), New Guinea.  
1893, Proc. zool. Soc. Lond. 1893: 137 (♂). Type-loc: Mysol Island, Moluccas.
- bimaculata* Keiser. — Sumbawa.  
1952, Verh. naturf. Ges. Basel 63: 161 (♀). Type-loc: Langgai, central Sumbawa.
- chalybaea* de Meijere. — Java, Krakatau.  
1910, Tijdschr. Ent. 53: 105 (♂ ♀). Type-locs: Pasuruan, Java; and Krakatau.
- chalybescens* Curran. — Malaya.  
1931, J. fed. Malay St. Mus. 16: 326 (♀). Type-loc: Bukit Kutu (3500 ft), Selangor, Malaya.
- circumcincta* de Meijere. — Java.  
1908, Tijdschr. Ent. 51: 320 (♀). Type-loc: Buitenzorg (Bogor), Java.



- cochleariformis* Sack. — Philippines [Mindanao].  
1926, Philipp. J. Sci. 29: 573 (♀). Type-loc: Surigao, Mindanao, Philippines.
- dispar* Walker. — Celebes, India, Malaya.  
1860, J. Linn. Soc. Lond. 4: 121 (♂). Type-loc: Celebes.
- fallax* Austen. — Borneo, Ceylon, Formosa, India, Malaya; Japan.  
1893, Proc. zool. Soc. Lond. 1893: 142 (♂). Type-loc: Haycock Hill, nr Galle, Ceylon.
- gigas* Curran. — Borneo.  
1931, J. fed. Malay St. Mus. 16: 356 (♀). Type-loc: Mt Kinabalu, Marei Parei (5000 ft), N Borneo.
- keiseri* van der Goot. — Sumbawa.  
1964, Beaufortia 10: 219 (n. name for *violacea* Keiser).  
*violacea* Keiser, 1952, Verh. naturf. Ges. Basel 63: 163 (♂; preocc. Hull 1943).  
Type-loc: Langgaliru, Sumbawa.
- luteolimbata* de Meijere. — Sumatra.  
1924, Tijdschr. Ent. 67 (Suppl.): 22 (♂ ♀). Type-loc: "Aur Kumanis" (Sumatra).
- macgregori* Curran. — Philippines [Luzon, Calicoan].  
1929, Ann. ent. Soc. Am. 22: 492 (♂ ♀). Type-loc: Manila, Philippines.
- meijerei* Kertész. — Formosa, Java, Krakatau, Philippines [Mindanao], Simeuluë Island, Sumbawa; Moluccas (Buru).  
1913, Anns hist.-nat. Mus. natn. hung. 11: 279 (♂ ♀). Type-locs: Tandjong Priok and Semarang, Java; Krakatau.  
*pedicellata*, of de Meijere, not Doleschall.
- nigrapex* Curran. — Malaya.  
1931, J. fed. Malay St. Mus. 16: 324 (♂). Type-loc: Bukit Kutu (3500 ft), Selangor, Malaya.
- nigriceps* de Meijere. — Sumatra.  
1924, Tijdschr. Ent. 67 (Suppl.): 23 (♂). Type-loc: Kadjai (Ophir District), Sumatra.
- nigricosta* Brunetti. — India [Uttar Pradesh], W Pakistan.  
1907, Rec. Indian Mus. 1: pl. xi, fig. 5; 1908, Rec. Indian Mus. 2: 50 (♂).  
Type-loc: Bhim Tal, Kumaon, India.
- nigricoxa* Curran. — Malaya.  
1928, J. fed. Malay St. Mus. 14: 249 (♂). Type-loc: Rhododendron Hill, Cameron Highlands, Pahang, Malaya.
- nubilipennis* Austen. — Ceylon, Formosa, India [Assam], Nepal; Japan.  
1893, Proc. zool. Soc. Lond. 1893: 136 (♂ ♀). Type-loc: Kandy, Ceylon.
- purpuricola* Walker. — Philippines [Luzon, Negros]; Moluccas (Key, Mysol), New Guinea.  
1859, J. Linn. Soc. Lond. 3: 129 (♀). Type-loc: Key Island.
- refulgens* Austen. — Java, Sumbawa; Moluccas (Buru).  
1893, Proc. zool. Soc. Lond. 1893: 138 (♀). Type-loc: Buru Island, Moluccas.
- sapphirina* Wiedemann. — Ceylon, India [Madras, Maharashtra, Rajasthan], Formosa; New Guinea, Aden, Africa.  
1830, Aussereurop. zweifl. Insekt. 2: 96 (♀). Type-loc: East Indies.

- signata* Sack. — Philippines [Mindanao].  
1926, Philipp. J. Sci. 29: 575 (♂). Type-loc: Kolambagan, Lanao, Mindanao, Philippines.
- sulica* Austen. — Sula; Moluccas (Mysol).  
1893, Proc. zool. Soc. Lond. 1893: 144 (♀). Type-locs: Sula; and Mysol, Moluccas.
- sumbana* Keiser. — Sumbawa.  
1952, Verh. naturf. Ges. Basel 63: 163 (♂). Type-loc: Mangrovewald, Melolo, Sumbawa.
- tinctiventris* de Meijere. — Sumatra.  
1924, Tijdschr. Ent. 67 (Suppl.): 21 (♀). Type-loc: "Aur Kumanis" (Sumatra).
- triangulifera* Austen. — Ceylon, India [Sikkim, W Bengal], Nepal.  
1893, Proc. zool. Soc. Lond. 1893: 138 (♂ ♀). Type-loc: Huldamura, Ceylon.  
*elegans* Brunetti, 1915, Rec. Indian Mus. 11: 220 (♂). Type-loc: Sukna, base of Darjeeling Hills, India.
- tripartita* Walker. — Celebes, Sula; Moluccas.  
1861, J. Linn. Soc. Lond. 5: 285 (♂). Type-loc: Batjan, Moluccas.
- umbrifera* de Meijere. — Sumatra.  
1924, Tijdschr. Ent. 67 (Suppl.): 23 (♂). Type-loc: Kadjai (Ophir District), Sumatra.
- umbrosa* Brunetti. — India [Rajasthan].  
1923, Fauna Br. India, Dipt. 3: 119 (♂). Type-loc: Abu, Rajputana, India.
- varipes* Curran. — Malaya.  
1928, J. fed. Malay St. Mus. 14: 252 (♂). Type-loc: Seat Point (5460 ft), Gunong Tahan, Pahang, Malaya.
- wegneri* Keiser. — Sumbawa.  
1952, Verh. naturf. Ges. Basel 63: 164 (♀). Type-loc: Mangrovewald, Melolo, Sumbawa.

#### Subgenus BACCHA Fabricius

- maculata* Walker. — Borneo, Formosa, India [Assam, Himachal Pradesh, Uttar Pradesh, W Bengal], Java, Malaya, Nepal, Philippines [Luzon], Sumatra; Japan, Korea.  
1852, Insecta Saundersiana 1: 223 (♂). Type-loc: East Indies.
- tinctipennis* Brunetti, 1907, Rec. Indian Mus. 1: pl. xi, fig. 6; 1908, Rec. Indian Mus. 2: 51 (♀). Type-loc: Bhim Tal, India.
- austeni* de Meijere, 1908, Tijdschr. Ent. 51: 325 (♂ ♀). Type-loc: Gunung Salak nr Buitenzorg (Bogor), Java.
- tenera* de Meijere, 1910, Tijdschr. Ent. 53: 103 (♂ ♀). Type-loc: Tankuban Prah, Java.
- eronis* Curran, 1928, J. fed. Malay St. Mus. 14: 248 (♂). Type-loc: Lubok Tamang (3500 ft), Pahang, Malaya.
- virtuosa* Curran. — Malaya.  
1928, J. fed. Malay St. Mus. 14: 246 (♂). Type-loc: Rhododendron Hill (5200 ft), Cameron Highlands, Pahang, Malaya.

Unplaced species of *Baccha* Fabricius

- brunnea* Hull. — Java.  
1949, Ann. Mag. nat. Hist. (12) 2: 733 (♂). Type-loc: Sockaboemi, Java.
- gratiosa* Bigot. — Borneo.  
1883, Anns. Soc. ent. Fr. (6) 3: 335 (♀). Type-loc: Sarawak, Borneo.
- loriae* de Meijere. — Philippines [Luzon]; New Guinea.  
1908, Tijdschr. Ent. 51: 324 (♀). Type-loc: Paumomu, New Guinea.
- mundula* van der Wulp. — Java; New Guinea.  
1898, Természetr. Fü. 21: 423 (♀). Type-loc: New Guinea.
- plumbicineta* Brunetti. — India [Assam].  
1915, Rec. Indian Mus. 11: 222 (♀). Type-loc: Cherrapunji, Assam, India.
- porphyra* Curran. — Borneo, Malaya.  
1928, J. fed. Malay St. Mus. 14: 254 (♂ ♀). Type-loc: Wray's Camp (3300 ft), Pahang, Malaya.
- sauteri* Kertész. — Formosa.  
1913, Anns. hist.-nat. Mus. natn. hung. 11: 275 (♂ ♀). Type-locs: Takao, Janano-Taiko, Kosempo, Tainan, Koshun, Fuhosho, and Sokotsu, Formosa.
- tribeni* Nayar. — India [Himachal Pradesh].  
1968, Agra Univ. J. Res. 16: 128 (♂). Type-loc: 67 km on Hindustan-Tibet Rd, from Narkanda, Simla, India.
- vespaeformis* Doleschall. — Celebes; Moluccas (Amboina).  
1857, Natuurk. Tijdschr. Ned.-Indië 14: 411 (sex?). Type-loc: Amboina, Moluccas.
- vivida* Hull. — Timor.  
1944, Ann. Mag. nat. Hist. (11) 11: 50 (♀). Type-loc: Timor, Dutch East Indies (Indonesia).

## Genus RHINOACCHA de Meijere

- Rhinobaccha* de Meijere, 1908, Tijdschr. Ent. 51: 315. Type-species, *gracilis* de Meijere, by monotypy.
- gracilis* de Meijere. — Ceylon.  
1908, Tijdschr. Ent. 51: 315 (♂ ♀). Type-loc: Pattipola, Ceylon.

## Tribe MELANOSTOMATINI

## Genus MELANOSTOMA Schiner

- Melanostoma* Schiner, 1860, Wien. ent. Mschr. 4: 213. Type-species, *Musca mellina* Linnaeus, by monotypy.  
*Reference:* Dušek and Láska 1959 (biol., imm. stages).
- abdominale* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 330 (♂ ♀). Type-locs: Arisan and Musha, Formosa.

- algens* Curran. — Borneo.  
1931, J. fed. Malay St. Mus. 16: 359 (♂ ♀). Type-loc: Mt Kinabalu, Pakka (10,000 ft), N Borneo.
- ambiguum* (Fallén). — India [Himachal Pradesh].  
1817, Syrphici Sveciae: 47 (♀; *Syrphus*). Type-loc: Europe.
- atrum* Sack. — Lombok.  
1932, Zool. Anz. 100: 227 (♂ ♀). Type-loc: Segare Anak, Lombok, Indonesia.
- gedehense* de Meijere. — Java.  
1914, Tijdschr. Ent. 57: 163 (♂ ♀; as *quadrinotatum* var.). Type-loc: Gunung Gede, Java.
- meijerei* van der Goot. — Java.  
1964, Beaufortia 10: 219 (n. name for *quadrinotatum* de Meijere).  
*quadrinotatum* de Meijere, 1914, Tijdschr. Ent. 57: 163 (♂ ♀; preocc. Bigot 1884). Type-loc: Nongkodjadjar, Java.
- normale* Curran. — Borneo.  
1931, J. fed. Malay St. Mus. 16: 361 (♂ ♀). Type-loc: Mt Kinabalu, Marei Parei, N Borneo.
- orientale* (Wiedemann). — throughout Oriental region.  
1824, Analecta Ent.: 36 (♀; *Syrphus*). Type-loc: "Ind. Or."
- pedius* (Walker). — ?Java.  
1852, Insecta Saundersiana 1: 234 (♂; *Syrphus*). Type-loc: East Indies.  
*colthonea* Walker, 1852, Insecta Saundersiana 1: 235 (♀; *Syrphus*). Type-loc: East Indies.
- quadrifasciatum* Curran. — Malaya.  
1928, J. fed. Malay St. Mus. 14: 260 (♀). Type-loc: Jor Camp, (1800 ft), Batang Padang, Perak, Malaya.
- scalare* (Fabricius). — throughout Oriental region; New Guinea, Palaearctic.  
1794, Ent. Syst. 4: 308 (sex?; *Syrphus*). Type-loc: "Kiliae."  
*ceylonense* de Meijere, 1911, Tijdschr. Ent. 54: 348 (♂ ♀). Type-loc: Pattipola (2000 m), Ceylon.
- univittatum* (Wiedemann). — throughout SE Asia; ?Australia, ?Fiji, Japan, ?New Caledonia, ?Samoa.  
1824, Analecta Ent.: 36 (sex?; *Syrphus*). Type-loc: "Ind. Or."  
*cyathifer* Walker, 1857, J. Linn. Soc. Lond. 1: 125 (♀; *Syrphus*). Type-loc: Sarawak, Borneo.  
*planifacies* Macquart, 1848, Dipt. exot. Suppl. 3: 43 (203) (♀; *Syrphus*). Type-loc: Java.

## Genus PLATYCHEIRUS Lepeletier and Serville

- Platycheirus* Lepeletier and Serville, in Latreille, et al., 1828, Encycl. Méth. (Ins.) 10(2): 513. Type-species, *Syrphus scutatus* Meigen, by designation of Westwood (1840: 137).
- albimanus* (Fabricius). — ?India [Himachal Pradesh, W Bengal], ?Nepal, Philippines; Holarctic.  
1781, Spec. Insect. 2: 434 (sex?; *Syrphus*). Type-loc: "Angliae."
- formosanus* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 325 (♂ ♀). Type-locs: Arisan, Royeichi, Shukoran, Taiheisan, Nitakayama, Rantaisan, Asahi,

- Daisuikutsu, Musha, Funkiko, Hassensan, Kanko.  
*himalayensis* Brunetti. — India [Uttar Pradesh]. Nepal.  
 1915, Rec. Indian Mus. 11: 209 (♂; as *manicatus* var.). Type-loc: Garhwal,  
 W Himalayas. N. status.

### Genus XANTHANDRUS Verrall

- Xanthandrus* Verrall, 1901, British Flies 8: 316. Type-species, *Musca comtus* Harris,  
 by designation of Coquillett (1910: 620).  
*Reference*: Dušek and Láška 1967 (biol., imm. stages).  
*callidus* Curran. — Malaya, Thailand.  
 1928, J. fed. Malay St. Mus. 14: 261 (♂). Type-locs: Khao Luang (5800  
 ft), Nakhon Si Thammarat, Thailand; Rhododendron Hill, Cameron  
 Highlands, Pahang (5500 ft) and Gunong Tahan, Pahang, Malaya.  
*ceylonicus* Keiser. — Ceylon.  
 1958, Revue suisse Zool. 65: 205 (♂). Type-loc: Pidrutalagala, Ceylon.  
*comtus* (Harris). — Formosa; Europe, Japan.  
 ?1780, Expos. engl. Insects: 108 (sex?; *Musca*). Type-loc: England.  
*indicus* Curran. — India [Madhya Pradesh].  
 1933, Stylops 2: 46 (♂ ♀). Type-loc: Rahatgaon, Hoshangabad, India.  
*orientalis* Sack. — Philippines [Negros].  
 1926, Philipp. J. Sci. 29: 566 (♂ ♀). Type-loc: Canlaon, Negros Occiden-  
 tal, Philippines.  
*talamau* (de Meijere). — Malaya, Sumatra.  
 1924, Tijdschr. Ent. 67 (Suppl. 15): 21 (♀; *Melanostoma*). Type-loc: Gun-  
 ung Talamau, Sumatra.  
*brevicornis* Curran, 1928, J. fed. Malay St. Mus. 14: 263 (♂). Type-loc: Pahang,  
 Cameron Highlands, Rhododendron Hill, Malaya.

### Tribe CHRYSOTOXINI

#### Genus CHRYSOTOXUM Meigen

- Antiopa* Meigen, 1800, Nouv. Class. Mouches: 32. Type-species, *Musca bicincta* Lin-  
 naeus, by designation of Coquillett (1910: 508). Suppressed by I.C.Z.N. 1963,  
 Opinion 678: 339.  
*Chrysotoxum* Meigen, 1803, Magazin InsektKde 2: 275. Type-species, *Musca bicin-  
 cta* Linnaeus, by designation of Latreille (1810: 443).  
*Chrysotoxum*, subg. *Primochrysotoxum* Shannon, 1926, Proc. U.S. natn. Mus. 69 (11):  
 2. Type-species, *ypsilon* Williston, by original designation.  
*antiquum* Walker. — India [Himachal Pradesh].  
 1852, Insecta Saundersiana 1: 218 (♂). Type-loc: East Indies.  
*atratum* de Meijere. — Sumatra.  
 1921, Tijdschr. Ent. 64: lii (♂). Type-loc: Sumatra.  
*baphyrus* Walker. — Ceylon, India [Uttar Pradesh], Indochina, ?Java, Laos, Nepal.  
 1849, List Dipt. Br. Mus. 3: 542 (♂). Type-loc: north Bengal, India.  
*indicum* Walker, 1852, Insecta Saundersiana 1: 218 (♂). Type-loc: East Indies.  
*sexfasciatum* Brunetti, 1907, Rec. Indian Mus. 1: pl. xiii, fig. 9; 1908: 89 (♀).  
 Type-loc: Bijnor District, India.

- citronellum* Brunetti, 1908, Rec. Indian Mus. 2: 90 (♂). Type-loc: Kandy,  
 Ceylon.  
*mundulum* Hervé-Bazin, 1923, Bull. Soc. ent. Fr. 1923: 27 (♂). Type-loc: Co-  
 chinchina.  
*convexum* Brunetti. — India [Uttar Pradesh].  
 1915, Rec. Indian Mus. 1: 249 (♂). Type-loc: Andarban, Garhwal Dis-  
 trict, W Himalayas, India.  
*festivum* (Linnaeus). — India [Bihar]; Palaearctic.  
 1758, Syst. Nat. Ed. 10: 593 (sex?; *Musca*). Type-loc: Europe.  
*formosanum* Shiraki. — Formosa.  
 1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 27 (♂ ♀). Type-locs:  
 Arisan, and Paiwan, Formosa.  
*fuscomarginatum* Brunetti. — W Pakistan.  
 1923, Fauna Br. India, Dipt. 3: 300 (♀). Type-loc: Chitral (Pakistan).  
*ladakense* Shannon. — India [Kashmir].  
 1926, Proc. U.S. natn. Mus. 69 (11): 13 (♀). Type-loc: Rupshu Ledak  
 (16,000 ft), Kashmir, India.  
*quadrifasciatum* Brunetti. — India [Assam], Laos.  
 1923, Fauna Br. India, Dipt. 3: 300 (♀). Type-loc: Khasi Hills, Assam,  
 India.  
*rotundatum* Hervé-Bazin, 1923, Bull. Soc. ent. Fr. 1923: 27 (♀). Type-loc: Laos.  
*testaceum* Sack. — Formosa; Japan.  
 1913, Ent. Mitt. 2: 9 (♂ ♀). Type-locs: Yama, and Tappani, Formosa.  
*violaceum* Brunetti. — India [W Bengal].  
 1923, Fauna Br. India, Dipt. 3: 302 (♂ ♀). Type-loc: Sureil, Darjeeling  
 District, India.

### Tribe PARAGINI

#### Genus PARAGUS Latreille

- Paragus* Latreille, 1804, Nouv. Dict. Hist. nat. 24 (Tab. Méth. Ins.): 94. Type-  
 species, *Syrphus bicolor* Fabricius, by monotypy.  
*References*: Stuckenberg 1954 (key); Bhatia and Shaffi 1933; Heiss 1938 (biol.,  
 imm. stages).

#### Subgenus PARAGUS Latreille

- auritus* Stuckenberg. — Ceylon, India [W Bengal], Nepal; Kenya.  
 1954, Trans. R. ent. Soc. Lond. 105: 418 (♂ ♀). Type-loc: Kandy, Cey-  
 lon.  
*crenulatus* Thomson. — entire Oriental region; Australia.  
 1869, in K. svenska fregatten Eugénies resa, Zool., Dipt.: 503 (♂). Type-  
 loc: China.  
*serratus* (Fabricius). — India [Madhya Pradesh, Madras, Maharashtra, Mysore,  
 Punjab].  
 1805, Syst. Antliat.: 186 (sex?; *Mulio*). Type-loc: Tranquebar, India.

yerburiensis Stuckenberg. — Ceylon, India [Madhya Pradesh], Nepal.  
1954, Trans. R. ent. Soc. Lond. 105: 415 (♂ ♀). Type-loc: Verry, Ceylon.

#### Subgenus PANDASYOPHTHALMUS Stuckenberg

Pandasyophtalmus Stuckenberg, 1954, Revue Zool. Bot. afr. 49: 100. Type-species, *longiventris* Loew, by original designation.

atratus de Meijere. — India [Uttar Pradesh], Java, Malaya, Sumatra, Sumbawa, Timor; New Guinea.

1906, Nova Guinea 1: 85 (♂). Type-loc: Manokwari, New Guinea.

hokusankoensis Shiraki. — Formosa.

1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 249 (♂ ♀). Type-loc: Hokusanko, Formosa.

keiseri van der Goot. — Java, Sumbawa.

1964, Beaufortia 10: 219 (n. name for *ruficaudatus* Keiser).

*ruficaudatus* Keiser, 1952, Verh. naturf. Ges. Basel 63: 154 (♂; preocc. Bigot 1884). Type-loc: Lokojengo, Sumbawa.

politus Wiedemann. — China, Philippines.

1830, Aussereurop. zweifl. Insekt. 2: 89 (sex?). Type-loc: China.

rufocincta (Brunetti). — Burma, India.

1908, Rec. Indian Mus. 2: 53 (♂; *Pipizella*). Type-loc: Rangoon, Burma.

tibialis (Fallén). — widespread Oriental; cosmopolitan.

1817, Syrphici Sveciae: 60 (♂ ♀; *Pipiza*). Type-loc: "Vestergothia," Sweden.

*indicus* Brunetti, 1908, Rec. Indian Mus. 2: 52 (♂ ♀; *Pipizella*). Type-loc: Matiana, Simla, India.

ssp. *rufiventris* Brunetti. — Ceylon, India [Assam], Nepal, W Pakistan.

1913, Rec. Indian Mus. 8: 157 (♂; as sp.). Type-loc: Mangaldai, Assam-Bhutan Frontier, India.

#### Unplaced species of Paragus Latreille

latiusculus Walker. — Celebes.

1861, J. Linn. Soc. Lond. 5: 266 (♀). Type-loc: Tond, Celebes.

### Subfamily MILESIINAE

#### Tribe PIPIZINI

##### Genus PIPIZA Fallén

Pipiza Fallén, 1810, Sp. Ent. nov. Dipt.: 11. Type-species, *Musca noctiluca* Linnaeus, by designation of Curtis (1837: pl. 669).

signata Meigen. — Formosa; Palaearctic.

1822, Syst. Besch. europ. zweifl. Insekt. 3: 246 (♂ ♀). Type-loc: Europe.

### Genus TRIGLYPHUS Loew

Triglyphus Loew, 1840, Isis (Oken's) 1840: 512. Type-species, *primus* Loew, by monotypy.

cyaneus (Brunetti). — India [Sikkim].

1915, Rec. Indian Mus. 11: 202 (♀; *Psilota*). Type-loc: Gangtok, Sikkim, India.

formosanus Shiraki. — Formosa.

1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 251 (♀). Type-loc: Musha, Formosa.

### Tribe CHEILOSINI

#### Genus CHEILOSIA Meigen

Cheilosia Meigen, 1822, Syst. Besch. europ. zweifl. Insekt. 3: 296. Type-species, *Eristalis scutellatus* Fallén, by designation of Rondani (1856: 51).

*Chilosia*, emendation. (see Stone, et al. 1965: 583).

acuticornis Curran. — Malaya.

1928, J. fed. Malay St. Mus. 14: 267 (♂ ♀). Type-locs: Ginting Sempak, Pahang border, Selangor and Lubok Tamang, Pahang, Malaya.

apicalis Brunetti. — India [Assam].

1913, Rec. Indian Mus. 8: 158 (♀). Type-loc: Rotung, NE Frontier, Assam, India.

aterrima Sack. — Formosa; Japan.

1927, Stettin. ent. Ztg 88: 305 (♂). Type-loc: Toa Tsu Kutsu, Formosa.

bombylioides Hull. — Burma.

1949, Ann. Mag. nat. Hist. (12) 2: 739 (♀). Type-loc: Adung Valley, N Burma.

formosana Shiraki. — Formosa.

1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 309 (♂ ♀). Type-loc: Rikiriki, Funkiko, Niitakagun, Formosa.

grossa (Fallén). — India [Uttar Pradesh].

1817, Syrphici Sveciae: 53 (♀; *Eristalis*). Type-loc: Europe.

himalayensis (Brunetti). — India [Uttar Pradesh].

1915, Rec. Indian Mus. 11: 217 (♂; *Eriozona*). Type-locs: Kumaon District, W Himalayas and Onari, Garhwal District, India.

hirticincta Brunetti. — India [W Bengal].

1915, Rec. Indian Mus. 11: 204 (♂). Type-loc: Darjeeling District, India.

kalatopensis Nayar. — India [Punjab].

1968, Agra Univ. J. Res. 16: 129 (♀). Type-loc: Kalatop-Lakkarmandi Bridal path, India.

leptorrhyncha Shiraki. — Formosa.

1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 269 (♂ ♀). Type-locs: Shukoran, Kanko, Daisuikutsu, and Roeichi, Formosa.

makiana Shiraki. — Formosa.

1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 272 (♀). Type-locs: Karenko, and Horisha, Formosa.

- nigroaenea* Brunetti. — India, Nepal.  
1915, Rec. Indian Mus. 11: 204 (♂ ♀). Type-loc: Simla District, India.
- niitakana* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 275 (♀). Type-loc: Niitakayama (4200 m), Formosa.
- ochreipila* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 283 (♂ ♀). Type-locs: Shukoran, Taiheisan, and Rocichi, Formosa.
- pilipes* (Bigot). — India.  
1883, Anns Soc. ent. Fr. (6) 3: 551 (♀; *Cartosyrphus*). Type-loc: India.
- plumbiventris* Brunetti. — India.  
1915, Rec. Indian Mus. 11: 205 (♀). Type-loc: Simla, India.
- rakurakuensis* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 265 (♂ ♀). Type-loc: Rakuraku, Formosa.
- splendida* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 302 (♂ ♀). Type-locs: Karenko, Asahi, and Musha, Formosa.
- tendens* Curran. — Malaya.  
1928, J. fed. Malay St. Mus. 14: 269 (♂). Type-loc: Lubok Tamang (3500 ft), Pahang, Malaya.
- yoshinoi* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 267 (♀). Type-loc: Karenko, Formosa.

### Genus ENDOIASIMYIA Bigot

- Endoiasimyia* Bigot, 1882, Anns Soc. ent. Fr. (6) 2 (Bull.); cxxxvi. Type-species, *indiana* Bigot, by monotypy.
- Sonanomyia* Shiraki, 1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 320. Type-species, *formosana* Shiraki, by original designation.
- formosana* (Shiraki). — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 321 (♂ ♀; *Sonanomyia*). Type-locs: Asahi, Tenchosan, Arisan, and Shu-Shu, Formosa.
- indiana* Bigot. — India, Nepal.  
1882, Anns Soc. ent. Fr. (6) 2 (Bull.): cxxxvi (♀). Type-loc: India.
- javanensis* (de Meijere). — Java, Sumatra.  
1914, Tijdschr. Ent. 57: 150 (♀; *Cheilosia*). Type-locs: Nongkodjadar, Gunung Ungaran, and Gunung Gede, Java.

### Genus FERDINANDEA Rondani

- Ferdinandea* Rondani, 1844, Nuovi Annali Sci. nat. Bologna (2) 2: 196. Type-species, *Conops cuprea* Scopoli, by designation of Rondani (1856: 56).  
*References*: Coe 1964; Hull 1942 (keys).
- formosana* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 103 (♂). Type-loc: Musha, Formosa.

- isabella* Hull. — India [Kashmir].  
1942, J. Wash. Acad. Sci. 32: 241 (♀). Type-loc: Gulmarg (8500 ft), Kashmir, India.
- longifacies* Coe. — Nepal.  
1964, Bull. Br. Mus. nat. Hist. (Ent.) 15: 266 (♂ ♀). Type-loc: Taplejung District, above Sangu, E Nepal.
- maculipennis* Curran. — Malaya.  
1928, J. fed. Malay St. Mus. 14: 271 (♂). Type-loc: Gunong Berumban (6050 ft), Cameron Highlands, Pahang, Malaya.
- montana* Hull. — India [Kashmir].  
1942, J. Wash. Acad. Sci. 32: 240 (♂ ♀). Type-loc: Gulmarg, Kashmir (8500 ft), India.
- sumatrensis* de Meijere. — Sumatra.  
1924, Tijdschr. Ent. 67 (Suppl.): 24 (♂). Type-loc: Gunung Talamau, Sumatra.

### Genus RHINGIA Scopoli

- Rhingia* Scopoli, 1763, Ent. Carniolica: 358. Type-species, *Conops rostrata* Linnaeus, by monotypy.
- angusticincta* Brunetti. — India [W Bengal].  
1908, Rec. Indian Mus. 2: 59 (♂ ♀). Type-locs: between Kufi and Simla; Theog, India.
- basalis* de Meijere. — Sumatra.  
1924, Tijdschr. Ent. 67: 219 (♂). Type-loc: Gunung Singalang, Sumatra.
- binotata* Brunetti. — Formosa, India [Assam, W Bengal], Nepal.  
1908, Rec. Indian Mus. 2: 59 (♂). Type-loc: Darjeeling, India.  
ssp. *quadrinotata* Hervé-Bazin. — India.  
1914, Insecta 41: 151 (sex?). Type-loc: "Inde."
- chaetosa* Curran. — Malaya.  
1928, J. fed. Malay St. Mus. 14: 275 (♀). Type-loc: Padang (5500 ft), Gunong Tahan, Pahang, Malaya.
- cincta* de Meijere. — Formosa, India [Assam, W Bengal], Java.  
1904, Bijdr. Dierk. 18: 101 (♀). Type-loc: Java.
- formosana* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 431 (♂ ♀). Type-locs: Arisan, Musha, Tainan, Kanko, Taiheisan, Asahi, Daijurin, Rantaisan, and Karenko, Formosa.
- laticincta* Brunetti. — India [Himachal Pradesh, Punjab, Uttar Pradesh, W Bengal].  
1907, Rec. Indian Mus. 1: pl. xi, figs. 7 & 8; 1908, Rec. Indian Mus. 2: 58 (♂ ♀). Type-locs: Darjeeling District, and Mussoorie, India.  
ssp. *fasciata* Brunetti. — India [Punjab, W Bengal].  
1908, Rec. Indian Mus. 2: 58 (♂ ♀). Type-loc: Darjeeling, India.
- robinsoni* Edwards. — Sumatra.  
1919, J. fed. Malay St. Mus. 8: 38 (♂). Type-loc: Korinchi Peak, Sumatra.
- semicinerea* Brunetti. — India [Uttar Pradesh].  
1923, Fauna Br. India, Dipt. 3: 134 (♂). Type-loc: Naini Tal, India.

- sexmaculata* Brunetti. — India [Assam].  
1913, Rec. Indian Mus. 8: 166 (♀). Type-loc: Dibrugarh, Assam, India.
- siwalikensis* Nayar. — India [Punjab].  
1968, Agra Univ. J. Res. 16: 126 (♂). Type-loc: Kalatop, nr Dalhousie, India.
- uniformis* Curran. — Borneo.  
1931, J. fed. Malay St. Mus. 16: 365 (♂ ♀). Type-loc: Mt Kinabalu, Kamborangah (7200 ft), N Borneo.
- varipennis* Curran. — Borneo.  
1931, J. fed. Malay St. Mus. 16: 364 (♂ ♀). Type-loc: Mt Kinabalu, Lumu Lumu (5000–5500 ft), N Borneo.

### Tribe CALLICERINI

#### Genus CALLICERA Panzer

- Callicera* Panzer, 1809, Fauna Germanica 104: 17. Type-species, *Bibio aenea* Fabricius, by monotypy.  
*Reference*: Coe 1964 (key).
- aenea* (Fabricius). — Formosa; Europe.  
1781, Spec. Insect. 2: 413 (sex?; *Bibio*). Type-loc: Germany.
- doleschalli* Verrall. — Burma.  
1913, Trans. ent. Soc. Lond. 1913: 328 (♂). Type-loc: N Chin Hills (5000 ft), Burma.
- nitens* Coe. — Nepal.  
1964, Bull. Br. Mus. nat. Hist. (Ent.) 15: 287 (♀). Type-loc: above Sangu, Taplejung District, E Nepal.
- robusta* Coe. — India [Uttar Pradesh].  
1964, Bull. Br. Mus. nat. Hist. (Ent.) 15: 286 (♂ ♀). Type-loc: Naini Hills (7000–8000 ft), NE India.
- sackeni* Verrall. — Burma.  
1913, Trans. ent. Soc. Lond. 1913: 331 (♂). Type-loc: N Chin Hills, Burma.
- sumatrensis* de Meijere. — Borneo, Malaya, Sumatra.  
1919, Bijdr. Dierk. 21: 26 (♀). Type-loc: Suban Ajam, Sumatra.  
*pendleburyi* Curran, 1928, J. fed. Malay St. Mus. 14: 273 (♂). Type-locs: Cameron Highlands; Rhododendron Hill (5200 ft); Gunong Berumban (summit) (6050 ft) and (5100 ft), Pahang, Malaya.

### Tribe VOLUCCELLINI

#### Genus GRAPTOMYZA Wiedemann

- Graptomyza* Wiedemann, 1820, Nova Dipt. Gen.: 16. Type-species, *Graptomyza longirostris* Wiedemann, by present designation.
- Baryterocera* Walker, 1857, J. Linn. Soc. Lond. 1: 123. Type-species, *inclusa* Walker, by monotypy.
- Ptilostylomyia* Bigot, 1882, Annls Soc. ent. Fr. (6) 2 (Bull.): cxiv. Type-species, *Grapto-*

- myza brevirostris* Wiedemann, by present designation.  
*References*: Curran 1942; de Meijere 1908; Kertész 1914 (keys).
- angustimarginata* Brunetti. — India [Assam].  
1923, Fauna Br. India, Dipt. 3: 141 (♀). Type-loc: Tura, Garo Hills, Assam, India.
- arisana* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 236 (♂). Type-loc: Arisan, Formosa.
- brevirostris* Wiedemann. — Borneo, Burma, Ceylon, India [Madras], Java, Malaya, Nepal, Philippines [Mindanao].  
1820, Nova Dipt. Gen.: 17 (♀). Type-loc: Batavia (Djakarta), Java.
- coomani* Séguy. — Ceylon, N Viet Nam.  
1948, Notes Ent. chin. 12: 159 (♂ ♀). Type-loc: Hoa-Binh, Tonkin, N Viet Nam.
- cornuta* de Meijere. — Java.  
1914, Tijdschr. Ent. 57: 149 (♂). Type-loc: Gunung Gede, Java.
- cynocephala* Kertész. — Formosa.  
1914, Annls hist.-nat. Mus. natn. hung. 12: 81 (♂). Type-loc: Chip-Chip, Formosa.
- dentata* Kertész. — Formosa.  
1914, Annls hist.-nat. Mus. natn. hung. 12: 83 (♀). Type-locs: Chip-Chip and Toyenmongai, Formosa.
- dolichocera* Kertész. — Formosa.  
1914, Annls hist.-nat. Mus. natn. hung. 12: 79 (♀). Type-locs: Kosempo, Chip-Chip, and Koshun, Formosa.
- elegans* Hull. — Java.  
1950, Ann. Mag. nat. Hist. (12) 3: 619 (♀). Type-loc: Soekaboemi, Java.
- fascipennis* Sack. — Formosa.  
1922, Arch. Naturgesch. 87 (11): 262 (♀). Type-loc: Shishastammes, Formosa.
- flavipes* de Meijere. — Borneo, Java, Philippines [Mindanao].  
1911, Tijdschr. Ent. 54: 344 (♀). Type-loc: Gunung Ungaran, Java.
- flavitincta* Hull. — Java.  
1950, Ann. Mag. nat. Hist. (12) 3: 622 (♀). Type-loc: Soekaboemi, Java.
- flavonotata* Brunetti. — India.  
1917, Rec. Indian Mus. 13: 86 (♂). Type-loc: between Kufri and Phagu, Simla District, India.
- flavorhyncha* Hull. — Philippines [Mindanao].  
1941, Psyche, Camb. 48: 158 (♂). Type-loc: Mainit River (6000 ft), Mt Apo, Mindanao, Philippines.
- formosana* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 234 (♂). Type-locs: Shu-Shu, Taihorin, Shinchiku, Arisan, and Kosempo, Formosa.
- gibbula* (Walker). — Celebes, Formosa.  
1860, J. Linn. Soc. Lond. 4: 120 (♀; *Baryterocera*). Type-loc: Makasar, Celebes.
- globigaster* Hull. — Philippines [Biliran].  
1943, J. Wash. Acad. Sci. 33: 42 (♀). Type-loc: Biliran Island, Philippines.

- hardyi* Greene. — India [Assam].  
1949, Proc. ent. Soc. Wash. 51: 80 (♂). Type-loc: Misamari, Assam, India.
- inclusa* (Walker). — Borneo.  
1857, J. Linn. Soc. Lond. 1: 123 (♀; *Baryterocera*). Type-loc: Sarawak, Borneo.
- interrupta* Wiedemann. — Java.  
1830, Aussereurop. zweifl. Insekt. 2: 209 (♀). Type-loc: Java.
- jacobsoni* de Meijere. — Java, Sumatra.  
1911, Tijdschr. Ent. 54: 343 (sex?). Type-locs: Telaga Mendjer and Gunung Ungaran, Java.
- javensis* Greene. — Java.  
1949, Proc. ent. Soc. Wash. 51: 79 (♀). Type-loc: Mt Salak, Java.
- lineata* Osten Sacken. — Malaya; Moluccas.  
1881, Annali Mus. civ. Stor. nat. Giacomo Doria 16: 439 (♀). Type-loc: Ternate, Moluccas.
- literata* Osten Sacken. — Philippines [Luzon].  
1882, Berl. ent. Z. 26: 119 (? ♀). Type-loc: Philippines.
- longirostris* Wiedemann. — Burma, India [Assam], Java, Malaya, Sumatra.  
1820, Nova Dipt. Gen.: 16 (? ♂). Type-loc: Java.
- ssp. *duodecimnotata* Brunetti. — India [Assam].  
1908, Rec. Indian Mus. 2: 63 (sex?; as var. *12-notata*). Type-loc: Sadiya, Assam, India.
- melliponaeformis* Doleschall. — Celebes; Moluccas (Amboina).  
1858, Natuurk. Tijdschr. Ned.-Indië 17: 95 (sex?). Type-locs: Amboina, Moluccas and Makasar, Celebes.
- microdon* Osten Sacken. — Philippines [Luzon].  
1882, Berl. ent. Z. 26: 119 (♂ ♀). Type-loc: Philippines.
- nigripes* Brunetti. — India [Assam, Sikkim, W Bengal], Malaya.  
1913, Rec. Indian Mus. 8: 167 (♀; as *ventralis* var.). Type-loc: Sadiya, Assam, India.
- nitobei* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 238 (♂ ♀). Type-loc: Arisan, Formosa.
- obtusa* Kertész. — Formosa.  
1914, Anns hist.-nat. Mus. natn. hung. 12: 77 (♀). Type-loc: Toyenmongai, Formosa.
- palmeri* Greene. — Java.  
1949, Proc. ent. Soc. Wash. 51: 79 (♂). Type-loc: Mt Gede, Java.
- phyllocera* Hull. — Philippines [Luzon].  
1950, Ann. Mag. nat. Hist. (12) 617 (♀). Type-loc: Baguio, Luzon, Philippines.
- punctata* de Meijere. — Java; New Guinea.  
1908, Tijdschr. Ent. 51: 280 (sex?). Type-loc; Erima, Astrolabe-Bai, New Guinea.
- rectifacies* de Meijere. — Java, Sumatra.  
1915, Tijdschr. Ent. 58 (Suppl.): 80 (♂ ♀). Type-locs: Matur, Sumatra; and Gunung Ungaran, Java.

- scimunda* Curran. — Malaya.  
1928, J. fed. Malay St. Mus. 14: 173 (♀). Type-loc: Jor Camp (2000 ft), Perak, Malaya.
- setigloba* Hull. — Philippines [Mindanao].  
1941, Psyche, Camb. 48: 159 (♂). Type-loc: Mainit River (6000 ft), Mt Apo, Mindanao, Philippines.
- sexnotata* Brunetti. — India [Assam, Sikkim].  
1908, Rec. Indian Mus. 2: 63 (♀). Type-loc: Sikkim, India.
- spectralis* Hull. — Java.  
1950, Ann. Mag. nat. Hist. (12) 3: 615 (♀). Type-loc: Soekaboemi, Java.
- tinctovittata* Brunetti. — India [W Bengal].  
1915, Rec. Indian Mus. 11: 227 (? ♀). Type-loc: Sukna, Darjeeling Hills, India.
- ventralis* Wiedemann. — India [Assam], Java, Malaya.  
1830, Aussereurop. zweifl. Insekt. 2: 207 (♀). Type-loc: Java.

### Genus ORNIDIA Lepeletier and Serville

- Volucella*, subg. *Ornidia* Lepeletier and Serville, in Latreille, et al., 1828, Encycl. méth. (Ins.) 10: 786. Type-species, *Syrphus obesus* Fabricius, by original designation.
- obesa* (Fabricius). — Java; throughout world tropics, Neotropical.  
1775, Syst. Ent.: 763 (sex? *Syrphus*). Type-loc: America.

### Genus VOLUCELLA Geoffroy

- Volucella* Geoffroy, 1762, Hist. Insect. Paris 2: 540. Type-species, *Musca pellucens* Linnaeus, by designation of Curtis (1833: pl. 452). Validated by I.C.Z.N. 1957, Opinion 441: 85.  
*Reference*: Coe 1964 (key, *bombylans* group).
- basalis* Brunetti. — India [Sikkim].  
1907, Rec. Indian Mus. 1: pl. xi, figs. 11 & 12; 1908, Rec. Indian Mus. 2: 61 (♀). Type-loc: Mungphu, Sikkim, India.
- bombylans* (Linnaeus)  
var. *malayana* Curran. — Malaya.  
1928, J. fed. Malay St. Mus. 14: 321 (♂). Type-loc: Malay Peninsula.
- dimidiata* Sack. — Formosa.  
1922, Arch. Naturgesch. (A) 87(11): 261 (♂). Type-loc: Taihorinsho, Formosa.
- discolor* Brunetti. — India [Assam]; Japan.  
1908, Rec. Indian Mus. 2: 62 (♂). Type-loc: Sibsagar, Assam, India.
- flavolinea* Hull. — Philippines [Mindanao].  
1943, Ann. Mag. nat. Hist. (11) 10: 29 (♀). Type-loc: Mindanao, Philippines.
- flavoscutella* Sack. — India [Uttar Pradesh].  
1928, Entomologist's mon. Mag. 64: 107 (♀). Type-loc: Sangcha, N Kumaon, India.
- lividiventris* Brunetti. — India [Sikkim]; Tibet.  
1908, Rec. Indian Mus. 2: 62 (♂ ♀). Type-loc: Sikkim, India.

*flavoscutella*

- nigricans* Coquillett. — Formosa; Japan, Korea.  
1898, Proc. U.S. natn. Mus. 21: 324 (♂ ♀). Type-loc: Japan.
- nigropictoides* Curran. — China [Fukien].  
1925, Am. Mus. Novit. 200: 2 (♂ ♀). Type-loc: Yen-ping (Nanping), China.
- nitidithorax* Hull. — Philippines [Mindanao].  
1941, Psyche, Camb. 48: 155 (♂). Type-loc: Mainit River (6500 ft), Mt Apo, Mindanao, Philippines.
- niveipes* Hull. — Java.  
1943, Ann. Mag. nat. Hist. (11) 10: 27 (♂). Type-loc: Java.
- opalina* Wiedemann. — Not Oriental (see Therese, 1902, Berl. Ent. Ztg 47: 245); Neotropical.
- peleterii* Macquart. — India [Assam], Java.  
1834, Hist. nat. Ins. Dipt. 1: 495 (♂). Type-loc: Java.  
*signata* Brunetti, 1923, Fauna Br. India, Dipt. 3: 146 (♂). Type-loc: above Tura, Garo Hills, Assam, India.
- pellucens* (Linnaeus). — India, Malaya; Europe, Japan.  
1758, Syst. Nat. Ed. 10: 595 (sex? *Musca*). Type-loc: Europe.
- rotundata* Edwards. — Malaya, Sumatra.  
1919, J. fed. Malay St. Mus. 8: 38 (♂). Type-loc: Sandaran Agong, Sumatra.
- ruficauda* Brunetti. — India [Sikkim].  
1907, Rec. Indian Mus. 1: pl. xi, fig. 13; 1908, Rec. Indian Mus. 2: 61 (♂ ♀). Type-loc: Sikkim, India.
- surda* Curran. — Borneo, Thailand.  
1928, J. fed. Malay St. Mus. 14: 163 (♀). Type-loc: Nakhon Si Thammarat, Khao Luang (2000 ft), Thailand.
- taiwana* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 215 (♂). Type-loc: TENCHOSAN-KARENKO, Formosa.
- terrauchii* Matsumura. — Formosa.  
1916, Thousand Insects Japan 2: 237 (♀). Type-loc: Gyochi nr Horisha, Formosa.
- trifasciata* Wiedemann. — Celebes, China, India to Formosa, Java, Philippines.  
1830, Aussereurop. zweifl. Insekt. 2: 196 (♀). Type-loc: Java.  
*linearis* Walker, 1852, Insecta Saundersiana 1: 251 (♀). Type-loc: unknown.  
*decorata* Walker, 1860, J. Linn. Soc. Lond. 4: 120 (♂). Type-loc: Makasar, Celebes.  
*nubeculosa* Bigot, 1875, Anns Soc. ent. Fr. 5(5): 474 (♀). Type-loc: China.
- var. *auropila* Curran. — Malaya.  
1928, J. fed. Malay St. Mus. 14: 163 (♀). Type-loc: Pahang, Cameron Highlands, No. 4 Camp (4800 ft), Malaya.
- ursina* de Meijere. — India [W Bengal].  
1904, Bijdr. Dierk. 18: 101 (♀). Type-loc: Darjeeling, India.
- varipila* Coe. — India, Nepal.  
1964, Bull. Br. Mus. nat. Hist. (Ent.) 15: 268 (♂ ♀). Type-loc: Khumbu, Khumdzung, E Nepal.
- vespimima* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 228 (♂ ♀). Type-loc: Arisan, Kobayashi, Karenko, Formosa.

- violacea* (Lepelletier and Serville). — China.  
1828, Encycl. Méth. (Ins.) 10: 787 (♂; *Temnocera*). Type-loc: China.
- xanthopygata* Curran. — Java.  
1928, J. fed. Malay St. Mus. 14: 168 (♂). Type-loc: Ongop Ongop, Java.

## Tribe CHRYSOGASTERINI

### Genus ORTHONEVRA Macquart

- Orthonevra* Macquart, 1829, Ins. Dipt. Nord Fr. 4: 40 (188). Type-species, *Chrysogaster elegans* Meigen, by monotypy.  
*Orthonevra*, emendation.
- formosana* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 256 (♀). Type-loc: Tosai-kaku, Formosa.
- indica* Brunetti. — India [Punjab].  
1915, Rec. Indian Mus. 11: 203 (♂). Type-loc: Kangra Valley, Punjab, India.

### Genus MYOLEPTA Newman

- Myolepta* Newman, 1838, Ent. Mag. (Lond.) 5: 373. Type-species, *Musca luteola* Gmelin, by monotypy.  
*Myiolepta*, emendation.  
*Reference*: Thompson 1971 (rev.).
- himalayana* Brunetti. — India.  
1915, Rec. Indian Mus. 11: 233 (♂ ♀). Type-loc: Matiana, Simla District, India.
- orientalis* Thompson. — Thailand.  
1971, Proc. ent. Soc. Wash. 73: 346 (♀). Type-loc: Chiangdao (450 m), NW Chiangmai Province, Thailand.
- petiolata* Thompson. — Thailand.  
1971, Proc. ent. Soc. Wash. 73: 344 (♀). Type-loc: Chiangdao (450 m), NW Chiangmai Province, Thailand.

### Genus SPHEGINA Meigen

- Sphegina* Meigen, 1822, Syst. Besch. europ. zweifl. Insekt. 3: 193. Type-species, *Milesia clunipes* Fallén, by designation of Westwood (1840: 136).

#### Subgenus SPHEGINA Meigen

- ?*asciiformis* Brunetti. — India [W Bengal].  
1915, Rec. Indian Mus. 11: 223 (♀). Type-loc: Darjeeling, India.
- tricoloripes* Brunetti. — India [Himachal Pradesh, Uttar Pradesh].  
1915, Rec. Indian Mus. 11: 225 (♀). Type-loc: Bhowali, Kumaon District, India.



## Subgenus ASIOSPHEGINA Stackelberg

- Asiosphegina* Stackelberg, 1953, Trudy zool. Inst. Akad. Nauk. SSSR 13: 376.  
Type-species, *Sphegina sibirica* Stackelberg, *in litt.*
- bispinosa* Brunetti. — India [Assam, Uttar Pradesh, W Bengal].  
1915, Rec. Indian Mus. 11: 223 (♂ ♀). Type-locs: Margherita, Assam and Darjeeling, India.
- hansoni* Thompson. — Nepal.  
1966, Bull. Brooklyn ent. Soc. 59/60: 42 (1964/1965) (♂). Type-loc: Parewawir, Nepal.
- javana* de Meijere. — Java.  
1914, Tijdschr. Ent. 57: 166 (♂). Type-loc: Gunung Gede, Java.  
*?tenuis* Brunetti, 1915, Rec. Indian Mus. 11: 224 (♂, not ♀). Type-loc: Darjeeling, India.
- tristriata* Brunetti. — India [Assam].  
1913, Rec. Indian Mus. 8: 165 (♀). Type-loc: Rotung, NE Frontier, Assam, India.

Unplaced species of *Sphegina* Meigen

- apicalis* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 423 (♀). Type-loc: Musha, Formosa.
- nigerrima* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 425 (♂). Type-loc: Rantaisan, Formosa.
- orientalis* Kertész. — Formosa, Philippines [Luzon].  
1914, Anns hist.-nat. Mus. natn. hung. 12: 73 (♂ ♀). Type-locs: Chip-Chip, and Taihorin, Formosa.
- varidissima* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 421 (♀). Type-loc: Hori-sha, Formosa.

## Tribe SPHEGINOBACCHINI

## Genus SPHEGINOBACCHA de Meijere

- Spheginobaccha* de Meijere, 1908, Tijdschr. Ent. 51: 327. Type-species, *Sphegina macropoda* Bigot, by original designation.
- demeijerei* van Doesburg. — Java.  
1968, Zoöl. Meded. Leiden 43: 161 (♂ ♀). Type-loc: Depok, Java.
- humeralis* (Sack). — Malaya.  
1926, Philipp. J. Sci. 29: 571 (♂ ♀; *Doros*). Type-locs: Penang and Singapore, Malaya.
- lieftincki* van Doesburg. — Malaya.  
1968, Zoöl. Meded. Leiden 43: 160 (♂ ♀). Type-loc: Sungei Raia, Ipoh, Perak, Malaya.

- macropoda* (Bigot). — Anambas Islands, Borneo, Burma, Java, Laos, Malaya, Viet Nam.  
1883, Anns Soc. ent. Fr. (6) 3: 331 (♀; *Sphegina*). Type-loc: Burma.  
*robusta* Brunetti, 1907, Rec. Indian Mus. 1: pl. xi, figs. 3 & 4; 1908, Rec. Indian Mus. 2: 50 (♂ ♀; *Baccha*). Type-loc: Mergui, Burma.
- melancholia* Hull. — Viet Nam.  
1937, J. Wash. Acad. Sci. 27: 174 (♀). Type-loc: Prang Bon, 30 mi NW of Saigon, Cochin China.

## Tribe SERICOMYINI

## Genus PARARCTOPHILA Hervé-Bazin

- Pararctophila* Hervé-Bazin, 1914, Insecta 41: 152. Type-species, *oberthuri* Hervé-Bazin, by monotypy.
- oberthuri* Hervé-Bazin. — India [Uttar Pradesh], north to Siberia (Transbaikal) and east to China [Fukien, Hopeh, Kiangsu].  
1914, Insecta 41: 153 (♂). Type-loc: "Padong, British Bootan, Inde."  
*simplicipes* Brunetti, 1915, Rec. Indian Mus. 11: 247 (♀; *Arctophila*). Type-loc: Garhwal District, Kumaon, India.

## Genus PSEUDOVOLUCELLA Shiraki

- Pseudovolucella* Shiraki, 1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 39. Type-species, *mimica* Shiraki, by original designation.  
*Reference*: Coe 1964 (key.).
- apiformis* (de Meijere). — Sumatra.  
1919, Bijdr. Dierk. 21: 27 (♂; *Arctophila*). Type-loc: Piek von Korintji, Sumatra.  
*crassipes* Edwards, 1919, J. fed. Malay St. Mus. 8: 44 (♂; *Sericomyia*). Type-loc: Korinchi Peak, Sumatra.
- apimima* Hull. — Java.  
1941, Psyche, Camb. 48: 154 (♂). Type-loc: Tjibodas, Mt Gede, Java.
- fasciata* Curran. — Borneo.  
1931, J. fed. Malay St. Mus. 16: 369 (♂ ♀). Type-loc: Mt Kinabalu, Lumu Lumu, N Borneo.
- hingstoni* Coe. — India [Sikkim], Nepal.  
1964, Bull. Br. Mus. nat. Hist. (Ent.) 15: 270 (♂ ♀). Type-loc: Phadam Chen, Sikkim, India.
- malayana* (Curran). — Malaya.  
1928, J. fed. Malay St. Mus. 14: 286 (♂; *Pararctophila*). Type-locs: Gunong Tahan (6500 ft) and Tanah Rata, Cameron Highlands, Pahang, Malaya.
- mimica* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 40 (♂ ♀). Type-locs: Asahi, and Tamaru, Formosa.
- ochracea* Hull. — Burma.  
1944, Ann. Mag. nat. Hist. (11) 11: 32 (♂). Type-loc: Burma.

## Genus SERICOMYIA Meigen

- Cinxia* Meigen, 1800, Nouv. Class. Mouches: 35. Type-species, *Musca lappona* Linnaeus, by designation of Coquillett (1910: 524). Suppressed by I.C.Z.N., 1963, Opinion 678: 339.
- Sericomyia* Meigen, 1803, Magazin InsektKde 2: 274. Type-species, *Musca lappona* Linnaeus, by designation of Latreille (1810: 443).
- completa* Curran. — Formosa.  
1929, Ann. Ent. Soc. Am. 22: 502 (♂). Type-loc: Kifuno, Formosa.
- crystaloides* Brunetti. — India [Assam].  
1913, Rec. Indian Mus. 8: 167 (♀). Type-loc: between Renging and Rotun, NE Frontier, Assam, India.
- himalayensis* Brunetti. — India.  
1907, Rec. Indian Mus. 1: pl. xiii, figs. 6–8; 1908, Rec. Indian Mus. 2: 89 (♂). Type-loc: Sikkim, India.

## Tribe EUMERINI

## Genus AZPEYTIA Walker

- Azpeytia* Walker, 1865, J. Linn. Soc. Lond. 8: 113. Type-species, *scutellaris* Walker, by monotypy.
- albomaculata* Curran. — Malaya.  
1931, J. fed. Malay St. Mus. 16: 329 (♂). Type-loc: Bukit Kutu (3500 ft), Selangor, Malaya.
- bifascia* Brunetti. — India [Assam], Laos.  
1907, Rec. Indian Mus. 1: pl. xiii, figs. 1–5; 1908, Rec. Indian Mus. 2: 84 (♂). Type-loc: Margherita, Assam, India.
- flavoscutellata* Kertész. — Formosa.  
1913, Annls hist.-nat. Mus. natn. hung. 11: 284 (♂ ♀). Type-locs: Kosempo, and Mt Hoozan, Formosa.
- maculata* Shiraki. — Burma, Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 209 (♂ ♀). Type-locs: Karenko District, Formosa; and Tenasserim (Burma).
- scutellaris* Walker. — Thailand; New Guinea.  
1865, J. Linn. Soc. Lond. 8: 113 (♂ ♀). Type-loc: New Guinea.  
*trepidus* Curran, 1928, J. fed. Malay St. Mus. 14: 195 (♂; *Eumerus*). Type-loc: Khao Luang (2000 ft), Nakhon Si Thammarat, Thailand.

## Genus EUMERUS Meigen

- Eumerus* Meigen, 1822, Syst. Besch. europ. zweifl. Insekt. 3: 202. Type-species, *Syrphus tricolor* Fabricius, by designation of Curtis (1839: pl. 749).
- Citibaena* Walker, 1857, J. Linn. Soc. Lond. 1: 124. Type-species, *aurata* Walker, by monotypy.
- aeneithorax* Brunetti. — India.  
1915, Rec. Indian Mus. 11: 244 (♂). Type-loc: Simla, India.

- albifrons* Walker. — India [Madras], ?Java.  
1852, Insecta Saundersiana 1: 224 (♂). Type-loc: East Indies.  
*halictiformis* Brunetti, 1915, Rec. Indian Mus. 11: 241 (♂ ♀). Type-loc: Orissa coast, Puri, India.
- argentipes* Walker. — Celebes, Ceylon, Malaya, Philippines [Mindanao]; Moluccas (Amboina, Batjan), New Guinea.  
1861, J. Linn. Soc. Lond. 5: 284 (♀). Type-loc: Batjan, Moluccas.  
*argyropus* Doleschall, 1857, Natuurk. Tijdschr. Ned.-Indië 14: 410 (sex?; preocc. Loew 1848). Type-loc: Amboina, Moluccas.  
*doleschalli* Shiraki, 1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 97 (n. name for *argyropus* Doleschall).
- auratus* (Walker). — Borneo.  
1857, J. Linn. Soc. Lond. 1: 124 (♂; *Citibaena*). Type-loc: Sarawak, Borneo.
- aurifrons* (Wiedemann). — Ceylon, Formosa, India [Bihar, Kashmir, Maharashtra], Java, Malaya, Philippines [Mindanao], Sumbawa; Australia.  
1824, Analecta Ent.: 32 (♂; *Pipiza*). Type-loc: "Ostindien."
- var. *similis* Keiser. — Ceylon.  
1958, Revue suisse Zool. 65: 216 (♀). Type-loc: Kandy, Deiyannewela, Ceylon.
- coeruleifrons* Keiser. — Ceylon.  
1958, Revue suisse Zool. 65: 218 (♂). Type-loc: Peradeniya, Expt. Station, Ceylon.
- deceptor* Curran. — Borneo, Malaya.  
1928, J. fed. Malay St. Mus. 14: 190 (♂ ♀). Type-locs: Selangor-Pahang border, Ginting Sempak and Perak, Batang Padang, Jor Camp (1800 ft), Malaya.
- ergator* Hull. — Philippines [Mindanao].  
1941, Psyche, Camb. 48: 161 (♂). Type-loc: Mainit River (6500 ft), Mt Apo, Mindanao, Philippines.
- figurans* Walker. — Bali, Borneo, Celebes, Ceylon, Formosa, Java, Malaya, Philippines, Sumatra, Sumbawa; Hawaii.  
1860, J. Linn. Soc. 4: 121 (♀). Type-loc: Makasar, Celebes.  
*marginatus* Grimshaw, 1902, Fauna hawaiiensis 3: 82 (♂). Type-loc: Honolulu, Hawaii.
- flavicinctus* de Meijere. — Bali, Formosa, Java, Philippines [Luzon, Mindanao], Sumatra.  
1908, Tijdschr. Ent. 51: 215 (♂ ♀). Type-locs: Semarang, Buitenzorg (Bogor), Java, and Medan, Fort de Kock, Sumatra.
- flavipes* Brunetti. — Borneo.  
1915, Rec. Indian Mus. 11: 241 (♀). Type-loc: Kuching, Sarawak, Borneo.
- floresanus* Keiser. — W Flores.  
1952, Verh. naturf. Ges. Basel 63: 166 (♂). Type-loc: Rana Mese, W Flores.
- halictoides* Brunetti. — India [W Bengal].  
1915, Rec. Indian Mus. 11: 242 (♂ ♀). Type-locs: Darjeeling and Simla, India.

- insistens* Curran. — Malaya.  
1928, J. fed. Malay St. Mus. 14: 190 (♀). Type-locs: Lubok Kedondong, NW of Mt Ophir, Lalang and Beluka (200 ft), Malacca-Johore border, Malaya.
- macrocerus* Wiedemann. — China.  
1830, Aussereurop. zweifl. Insekt. 2: 113 (♂). Type-loc: China.
- nepalensis* Brunetti. — Borneo, Nepal.  
1908, Rec. Indian Mus. 2: 76 (♀). Type-loc: Chonebal, Nepal.
- nicobarensis* Schiner. — Borneo, Ceylon, Formosa, India [Assam, Kashmir, W Bengal], Malaya, Nicobar Islands.  
1868, in Reise der österreichischen Fregatte Novara, Dipt.: 368 (♀). Type-loc: Nicobar Islands.
- niveipes* de Meijere. — Java, Lesser Sunda Islands, Philippines [Luzon].  
1908, Tijdschr. Ent. 51: 220 (♂). Type-loc: Batavia (Djakarta), Java.
- okinawaensis* Shiraki. — Formosa, Ryukyu Islands (Okinawa); Japan.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 98 (♂ ♀). Type-locs: Naha, Yayeyama, Haibara, Okinawa; Oshima, Kagoshima, Japan; and Kotosho, Formosa.
- parallelus* de Meijere. — Java.  
1908, Tijdschr. Ent. 51: 217 (♀). Type-loc: Batavia (Djakarta), Java.
- perpensus* Brunetti. — India.  
1917, Rec. Indian Mus. 13: 88 (♀). Type-loc: Phagu, Simla District, India.
- perplexus*, Brunetti. — India.  
1917, Rec. Indian Mus. 13: 89 (♀). Type-loc: Simla, India.
- pulcherrimus* Brunetti. — India [W Bengal].  
1915, Rec. Indian Mus. 11: 243 (♀). Type-loc: Kuresong, India.
- pulverulentus* Brunetti. — India [Kashmir, Rajasthan].  
1923, Fauna Br. India, Dipt. 3: 258 (♂ ♀). Type-loc: Pusa, India.
- quadratimaculatus* Keiser. — Sumbawa.  
1952, Verh. Naturf. Ges. Basel 63: 167 (♂). Type-loc: Baing, Sumbawa.
- rufitibiis* Sack. — Formosa.  
1922, Arch. Naturgesch. 87(11): 271 (♂ ♀; as *piveipes* var.). Type-loc: Kankau, Formosa.
- rufoscutellatus* Brunetti. — India [W Bengal], Thailand.  
1913, Rec. Indian Mus. 9: 269 (♂). Type-loc: Darjeeling, [W Bengal] India.
- sexvittatus* Brunetti. — India [Uttar Pradesh].  
1915, Rec. Indian Mus. 11: 245 (♀). Type-loc: Bhowali, Kumaon District, India.
- singhalensis* Keiser. — Ceylon.  
1958, Revue suisse Zool. 65: 219 (♂ ♀). Type-loc: Kalpitiya, Ceylon.
- sita* Keiser. — Ceylon.  
1958, Revue suisse Zool. 65: 217 (♀). Type-loc: Kandy, Hantana, Ceylon.
- splendens* Wiedemann. — Borneo, ?Java.  
1830, Aussereurop zweifl. Insekt. 2: 114 (♀). Type-loc: East Indies.

- sutteri* Keiser. — Sumbawa.  
1952, Verh. Naturf. Ges. Basel 63: 168 (♂ ♀). Type-loc: Waimangura, Matakori, W Sumbawa.

### Genus MERODON Meigen

- Lampetia* Meigen, 1800, Nouv. Class. Mouches: 34. Type-species, *Syrphus clavipes* Fabricius, by designation of Coquillett (1910: 557). Suppressed by I.C.Z.N. 1963, Opinion 678: 339.
- Merodon* Meigen, 1803, Magazin InsektKde 2: 274. Type-species, *Syrphus clavipes* Fabricius, by designation of Westwood (1840: 137) (as *curvipes*, error by Meigen).
- albifasciatus* Macquart. — India or Java.  
1842, Dipt. exot. 2(2): 71 (131) (♀). Type-loc: "Indes Orientales."
- pruni* (Rossi). — W Pakistan; Palaearctic.  
1790, Fauna Etrusca 2: 293 (sex?; *Syrphus*). Type-loc: Italy.
- pallidus* Macquart, 1842, Dipt. exot. 2(2): 70 (130) (♀). Type-loc: Bagdad, Iraq.
- tuberculatus* (Brunetti). — India [W Bengal].  
1907, Rec. Indian Mus. 1: pl. xii, figs. 16 & 17; 1908, Rec. Indian Mus. 2: 67 (♂ ♀; *Helophilus*). Type-loc: Calcutta, India.
- varicolor* Walker. — Borneo, India [Assam].  
1857, J. Linn. Soc. Lond. 1: 122 (♀). Type-loc: Sarawak, Borneo.

### Genus PSILOTA Meigen

- Psilota* Meigen, 1822, Syst. Besch. europ. zweifl. Insekt. 3: 256. Type-species, *anthracina* Meigen, by monotypy.
- bifenestrata* de Meijere. — Java.  
1933, Tijdschr. Ent. 76: 104 (♂ ♀). Type-locs: Parengan, Bodjonegoro, Semarang, and Krawang, Java.
- fasciata* Curran. — Philippines [Luzon].  
1929, Ann. Ent. Soc. Am. 22: 494 (♂). Type-loc: Manila, Luzon, Philippines.
- tectonae* de Meijere. — Java.  
1933, Tijdschr. Ent. 76: 103 (♂). Type-locs: Semarang, and Parengan, Java.

### Tribe CERIOIDINI

#### Genus CERIANA Rafinesque

- Ceria* Fabricius, 1794, Ent. Syst. 4: 277 (preocc. Scopoli 1763). Type-species, *clavicornis* Fabricius, by subsequent designation of Latreille (1810: 443), = *conopsoides* (Linnaeus).
- Cina* Fabricius, 1798, Suppl. ent. Syst.: 557. Misspelling.
- Ceriana* Rafinesque, 1815, Analyse: 131 (n. name for *Ceria* Fabricius). Type-species, *Ceria clavicornis* Fabricius, automatic, = *conopsoides* (Linnaeus).
- Tenthredomyia* Shannon, 1925, Insecutor Inscit. menstr. 13: 50. Type-species, *Ceria abbreviata* Loew, by original designation.

- References:* de Meijere 1908; Kertész 1913; Shannon 1927 (keys); Vockeroth 1971 (nomencl.); Bhatia 1931 (biol., imm. stages).
- anaglypha* (Séguy). — China.  
1948, Notes ent. chin. 12: 163 (♂ ♀; *Ceriodes*). Type-loc: Kou-ling, China. N. comb.
- brevis* (Brunetti). — India [Bihar, Kashmir].  
1923, Fauna Br. India, Dipt. 3: 328 (♀; *Ceria*). Type-loc: Pusa, India. N. comb.
- compacta* (Brunetti). — India [Uttar Pradesh].  
1907, Rec. Indian Mus. 1: pl. xiii, fig. 13; 1908, Rec. Indian Mus. 2: 95 (♀; *Ceria*). Type-loc: Mussoorie, W Himalayas, India.
- dimidiatipennis* (Brunetti). — India [Kashmir], W Pakistan.  
1923, Fauna Br. India, Dipt. 3: 329 (♂ ♀; *Ceria*). Type-locs: Hangu, NW Frontier Province and Abbottabad, NW India (W Pakistan). N. comb.
- formosensis* (Shiraki). — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 3 (♂; *Ceriodes*). Type-loc: Musha and Shinnensho, Formosa.
- ornatifrons* (Brunetti). — Ceylon, India [W Bengal], Nepal.  
1915, Rec. Indian Mus. 11: 252 (♀; *Ceria*). Type-loc: Kumdhik, Himalayas, Nepal.

### Genus MONOCEROMYIA Shannon

- Ceriodes*, subg. *Monoceromyia* Shannon, 1922, Bull. Brooklyn ent. Soc. 17: 32. Type-species, *Ceria tricolor* Loew, by monotypy.  
*References:* see under *Ceriana*.
- anchorata* (Bigot). — Borneo.  
1883, Anns Soc. ent. Fr. (6) 3: 318 (♂ ♀; *Sphiximorpha*). Type-loc: Sarawak, Borneo.
- annulata* (Kertész). — Formosa; Japan.  
1913, Anns hist.-nat. Mus. natn. hung. 11: 407 (♂ ♀; *Ceriodes*). Type-locs: Fuhosho, Suihenkyaku, Kanshirei, and Toyenmongai, Formosa.  
*horishana* Matsumura, 1916, Thousand Insects Japan 2: 186 (♂; *Sphiximorpha*). Type-loc: Horisha, Formosa.
- crux* (Brunetti). — India [Uttar Pradesh].  
1915, Rec. Indian Mus. 11: 253 (♀; *Ceria*). Type-loc: Kousanie, Kumaon, W Himalayas, India.
- eumenioides* (Saunders). — India [Madras].  
1841, Trans. ent. Soc. Lond. 3: 60 (sex?; *Ceria*). Type-loc: northern India.  
*apicata* Brunetti, 1908, Rec. Indian Mus. 2: 95 (♂; *Ceria*). Type-loc: Ganjam, Madras, India.
- fenestrata* (Brunetti). — India [Sikkim].  
1923, Fauna Br. India, Dipt. 3: 333 (♀; *Ceria*). Type-loc: Ronjit Valley, Sikkim, India.
- flavipennis* (de Meijere). — Celebes, India.  
1908, Tijdschr. Ent. 51: 195 (♂; *Ceriodes*). Type-loc: Minahassa, Celebes.
- himalayensis* (de Meijere). — India [Sikkim].  
1908, Tijdschr. Ent. 51: 198 (♀; *Ceriodes*). Type-loc: Sikkim, India.
- javana* (Wiedemann). — Borneo, India [Assam, Mysore, W Bengal], Java, Malaya, Nepal, Sumatra.  
1824, Analecta Ent.: 32 (♀; *Ceria*). Type-loc: Java.

- lateralis* (Walker). — Celebes.  
1860, J. Linn. Soc. Lond. 4: 118 (♂; *Ceria*). Type-loc: Makasar, Celebes.
- multipunctata* (Hull). — India.  
1941, Psyche, Camb. 48: 163 (♂; *Ceriodes*). Type-loc: Koolos, India. N. comb.
- obscura* (Brunetti). — India [Sikkim], Nepal.  
1907, Rec. Indian Mus. 1: pl. xiii, fig. 12; 1908, Rec. Indian Mus. 2: 94 (♀; *Ceria*). Type-loc: Sikkim, India.
- patricia* (Brunetti). — Burma, India.  
1923, Fauna Br. India, Dipt. 3: 335 (♂ ♀; *Ceria*). Type-loc: Tavoy, Tenasserim, Lower Burma.
- petersi* (Speiser). — Philippines [Luzon].  
1924, Wien. ent. Ztg 41: 53 (♀; *Ceriodes*). Type-loc: Philippines.  
*bakeri* Shannon, 1925, Insector Inscit. menstr. 13: 55 (sex?). Type-loc: Santa Maria, Laguna, Luzon, Philippines.
- polistoides* (Brunetti). — India, Nepal.  
1923, Fauna Br. India, Dipt. 3: 335 (♀; *Ceria*). Type-loc: Simla, India.
- salvazai* Shannon. — Laos.  
1927, J. Wash. Acad. Sci. 17: 47 (♂). Type-loc: Ban Sen Savouane, Luang Prabang, Laos.
- siamensis* (Curran). — Thailand.  
1931, J. fed. Malay St. Mus. 16: 299 (♀; *Ceriodes*). Type-loc: Nan, Thailand.
- similis* (Kertész). — Formosa.  
1913, Anns hist.-nat. Mus. natn. hung. 11: 405 (♂ ♀; *Ceriodes*). Type-locs: Kosempo, Fuhosho, and Toyenmongai, Formosa.
- stenogaster* Séguy. — Malaya.  
1948, Notes ent. chin. 12: 162 (♀). Type-loc: Penang, Malacca, Malaya.
- tredecimpunctata* (Brunetti). — Burma, India [Assam], Indochina.  
1923, Fauna Br. India, Dipt. 3: 336 (♂ ♀; *Ceria*). Type-locs: Salween Valley, Burma; and Lower Ranges, Khasi Hills, Assam, India.
- trinotata* (de Meijere). — Burma, India [W Bengal], Indochina, Laos, Malaya.  
1904, Bijdr. Dierk. 18: 97 (♂; *Ceria*). Type-loc: Darjeeling, India.
- wallacei* Shannon. — Celebes.  
1927, J. Wash. Acad. Sci. 17: 47 (♀). Type-loc: Makasar, Celebes.
- wiedemanni* Shannon. — Laos.  
1927, J. Wash. Acad. Sci. 17: 47 (♂). Type-loc: Ban Nam Mo, Luang Prabang, Laos.

### Genus PRIMOCERIOIDES Shannon

- Primocerioides* Shannon, 1927, J. Wash. Acad. Sci. 17: 41. Type-species, *Ceriodes petri* Hervé-Bazin, by original designation.
- yoshikawai* (Sasakawa). — Laos.  
1960, Nature & Life S.E. Asia 1: 449 (♂; *Ceriodes*). Type-loc: Thakhek, Laos.

## Genus SPHIXIMORPHA Rondani

*Sphiximorpha* Rondani, 1850, Anns Soc. ent. Fr. (2) 8: 212. Type-species, *Ceria subsessilis* Illiger, by original designation.

*Ceroides* Rondani, 1850, Anns Soc. ent. Fr. (2) 8: 211. Name cited in synonymy of *Sphiximorpha* Rondani. Validated by subsequent usage by Becker, et al., 1907: 156.

*Polybiomyia* subg. *Cerithrix* Hull, 1949, Trans. zool. Soc. Lond. 26: 381. Type-species, *Ceroides bulbosa* de Meijere, by original designation.

References: see under *Ceriana*.

*bulbosa* (de Meijere). — Sumatra.

1924, Tijdschr. Ent. 67 (Suppl.): 18 (♂; *Ceroides*). Type-loc: Aur Kumanis, Sumatra.

*decorata* (Brunetti). — Burma.

1923, Fauna Br. India, Dipt. 3: 326 (♂; *Ceria*). Type-loc: Rangoon, Burma.

*fruhstorferi* (de Meijere). — India [Sikkim].

1908, Tijdschr. Ent. 51: 196 (♀; *Ceroides*). Type-loc: Sikkim, India.

*fulvescens* (Brunetti). — India [Uttar Pradesh].

1915, Rec. Indian Mus. 11: 251 (♂; *Ceria*). Type-loc: Bhowali, Kumaon District, W Himalayas, India.

*meijerei* (Shannon). — Indochina.

1927, J. Wash. Acad. Sci. 17: 45 (♀; *Ceroides*). Type-loc: Tong Lap, Haut Mekong, Indochina.

*polista* (Séguy). — Laos.

1946, Notes ent. chin. 12: 161 (♂; *Ceriana*). Type-loc: Nam-lang, Laos.

*triangulifera* (Brunetti). — India [W Bengal].

1913, Rec. Indian Mus. 9: 273 (♂ ♀; *Ceria*). Type-loc: Darjeeling District, India.

## Tribe ERISTALINI

## Genus AXONA Walker

*Axona* Walker, 1864, J. Linn. Soc. Lond. 7: 211. Type-species, *volucelloides* Walker, by monotypy, = *chalcopyga* (Wiedemann).

*chalcopyga* (Wiedemann). — Borneo, Burma, Indochina, Laos, Malaya, Philippines [Luzon, Sibuyan, Mindanao, Basilan], Thailand; Guadalcanal, Micronesia, Moluccas (Amboina, Mysol).

1830, Aussereurop. zweifl. Insekt. 2: 178 (♂; *Eristalis*). Type-loc: Manila, Philippines.

*maxima* Doleschall, 1857, Natuurk. Tijdschr. Ned.-Indië 14: 405 (sex?; *Eristalis*). Type-loc: Amboina, Moluccas.

*transpositus* Walker, 1860, Trans. ent. Soc. Lond. (n. Ser.) 5: 289 (♂ ♀; *Eristalis*). Type-loc: Burma.

*volucelloides* Walker, 1864, J. Linn. Soc. Lond. 7: 212 (♂). Type-loc: Mysol, Moluccas.

## Genus CATACORES Hull

= *Pseudenstalis*  
(Kertészomyia)

*Catacores* Hull, 1944, Ent. News 55: 205. Type-species, *Axona cyanea* Brunetti, by original designation.

*cyanea* (Brunetti). — India [W Bengal].

1913, Rec. Indian Mus. 9: 272 (♂; *Axona*). Type-loc: Singla, Darjeeling, India.

## Genus DIGULIA de Meijere

*Digulia* de Meijere, 1913, Nova Guinea 9: 357. Type-species, *kochi* de Meijere, by monotypy.

*kochi* de Meijere. — Ceylon, Java, Karimun Islands, New Guinea.

1913, Nova Guinea 9: 357. (♀). Type-loc: Digul River, New Guinea.

## Genus DISSOPTERA Edwards

*Dissoptera* Edwards, 1915, Trans. zool. Soc. Lond. 20: 410. Type-species, *pollinosa* Edwards, by monotypy.

*heterothrix* (de Meijere). — Borneo; Australia, New Guinea.

1908, Tijdschr. Ent. 51: 273 (♂ ♀; *Eristalis*). Type-locs: Insel Cretin (Tami); Mahakkam, Borneo.

?*pollinosa* Edwards, 1915, Trans. zool. Soc. Lond. 20: 410 (♂ ♀). Type-loc: Iwaka River, New Guinea.

## Genus ERISTALINUS Rondani

*Eristalinus* Rondani, 1845, Nuovi Annali Sci. nat. Bologna 2(2): 453. Type-species, *Musca sepulchralis* Linnaeus, by designation of Rondani (1857: 38).

*Lathyrphthalmus* Mik, 1897, Wien. ent. Ztg 16: 114. Type-species, *Conops aeneus* Scopoli, by original designation.

References: Hervé-Bazin 1923; Curran 1947 (keys); Metcalf 1913 (biol., imm. stages).

*aeneus* (Scopoli). — northern Oriental region; Australia, Bermuda, Hawaii, North America, Palaearctic.

1763, Ent. Carniolica: 356 (sex?; *Conops*). Type-loc: Europe. N. comb.

var. *nigrolineatus* (Hervé-Bezoin). — W Pakistan.

1923c, Anns Sci. nat. (10) 6: 134 (♂ ♀; *Lathyrphthalmus*). Type-loc: Kurrachee (Karachi?). N. comb.

var. *taphicus* (Wiedemann). — China, India [Maharashtra, Uttar Pradesh], W Pakistan; Cyprus, Egypt, France, Korea, Monaco.

1830, Aussereurop. zweifl. Insekt. 2: 191 (♀; *Eristalis*; as sp.). Type-loc: Egypt. N. comb.

*arvorum* (Fabricius). — entire SE Asia; Australia, Hawaii, Japan, Micronesia.

1787, Mantissa Insect. 2: 335 (♂ ♀; *Syrphus*). Type-loc: China. N. comb.

*quadrilineatus* Fabricius, 1787, Mantissa Insect. 2: 336 (sex?; *Syrphus*). Type-loc: Tranquebar, India.

*tranquebarica* Gmelin, 1790, Syst. Nat. 5: 2870 (sex?; *Musca*; unjustified n. name for *quadrilineatus* Fabricius).

*fulvipes* Macquart, 1846, Dipt. exot. Suppl. 1: 128 (256) (♂; *Eristalis*). Type-loc:

- Australia.  
*antidotus* Walker, 1849, List Dipt. Colln Br. Mus. 3: 626 (♂; *Eristalis*). Type-loc: China.  
*anicetus* Walker, 1849, List Dipt. Colln Br. Mus. 3: 624 (♂; *Eristalis*). Type-loc: unknown.  
*fo* Bigot, 1880, Anns Soc. ent. Fr. (5) 10: 220 (♂; *Eristalomyia*). Type-loc: Amoy, China.  
*eunotata* Bigot, 1891, Nouv. Archs Mus. Hist. nat. Paris (3) 2: 208 (♂; *Eristalomyia*). Type-loc: Laos.  
*cinereus* (de Meijere). — Sumatra.  
 1924, Tijdschr. Ent. 67 (Suppl.): 20 (♀; *Eristalis*). Type-loc: Serapai, Korintji, Sumatra. N. comb.  
*connectens* (Hervé-Bazin). — India, Java, Viet Nam.  
 1923, Anns Sci. nat. (10) 6: 148 (♂ ♀; *Lathyrrophthalmus*). Type-loc: Saigon, Indochina. N. comb.  
*haileyburyi* (Nayar). — India [Uttar Pradesh].  
 1968, Pan-Pacif. Ent. 44: 121 (♀; *Lathyrrophthalmus*). Type-loc: St John's College, Agra, India. N. comb.  
*invirgulatus* (Keiser). — Ceylon.  
 1958, Revue suisse Zool. 65: 231 (♂; *Lathyrrophthalmus*). Type-loc: Kandy, Hantana, Ceylon. N. comb.  
*kochi* (de Meijere). — Sumbawa; Australia, New Guinea.  
 1908, Tijdschr. Ent. 51: 255 (♂ ♀; *Eristalis*). Type-loc: Etna-Bai, Merauke, S New Guinea. N. comb.  
*laetus* (Wiedemann). — Ceylon, China, Formosa, India [Andhra Pradesh, Maharashtra], Java, Malaya, Nepal, Philippines [Luzon], Sumatra, Sumbawa.  
 1830, Aussereurop. zweifl. Insekt. 2: 192 (♂; *Eristalis*). Type-loc: China. N. comb.  
*pallinevis* Macquart, 1842, Dipt. exot. 2(2): 46 (106) (♂; *Eristalis*). Type-loc: Bengal, India. N. synonym.  
*obscuritarsis* de Meijere, 1908, Tijdschr. Ent. 51: 250 (♂ ♀; *Eristalis*). Type-locs: Semarang, Java; Singapore, Malaya; and Bombay, India. N. synonymy.  
*lalitai* (Nayar). — India [Uttar Pradesh].  
 1968, Pan-Pacif. Ent. 44: 119 (♀; *Lathyrrophthalmus*). Type-loc: St. John's College, Agra, India. N. comb.  
*lucilia* (de Meijere). — Ceylon, Java, Simeuluë Island, Sumatra.  
 1911, Tijdschr. Ent. 54: 341 (♂; *Eristalis*). Type-loc: Semarang, Java. N. comb.  
*lugens* (Wiedemann). — China, Formosa.  
 1830, Aussereurop. zweifl. Insekt. 2: 193 (♂; *Eristalis*). Type-loc: China. N. comb.  
*albitarsis* Sack, 1917, Stettin. ent. Ztg 88: 312 (♂ ♀; *Lathyrrophthalmus*). Type-locs: Suisharyo, and Chosokai, Formosa. N. synonym.  
*nigroscutatus* (de Meijere). — Borneo, Indochina, Java, Simeuluë Island, Sumatra, Sumbawa.  
 1911, Tijdschr. Ent. 54: 337 (♂; *Eristalis*). Type-locs: Tandjong Priok, and Muara Angkee nr Batavia (Djakarta), Java. N. comb.  
*nitidus* (van der Wulp). — Borneo, Indochina, Java, Sumatra; Fiji, Samoa.  
 1884, Anns Soc. ent. Belg. 28 (Bull.): ccxcii (♀; *Eristalis*). Type-loc: Java. N. comb.

- obliquus* (Wiedemann). — southern Oriental region; New Guinea.  
 1824, Analecta Ent.: 38 (♂ ♀; *Eristalis*). Type-loc: Bengal, India. N. comb.  
*obtusus* (Hull). — Java.  
 1941, Psyche, Camb. 48: 153 (♂; *Lathyrrophthalmus*). Type-loc: Buitzenborg (Bogor), Java. N. comb.  
*quadristriatus* (Macquart). — Ceylon, Formosa, India, Nepal, Philippines [Negros].  
 1846, Dipt. exot. Suppl. 1: 127 (245) (♀; *Eristalis*). Type-loc: "Inde." N. comb.  
*quinquelineatus* (Fabricius). — Not Oriental.  
*quinquestriatus* (Fabricius). — throughout Oriental region; Japan.  
 1794, Ent. Syst. 4: 289 (sex?; *Syrphus*). Type-loc: "India orientali." N. comb.  
*aesepus* Walker, 1849, List Dipt. Colln Br. Mus. 3: 625 (♂ ♀; *Eristalis*). Type-loc: China.  
*picta* Bigot, 1880, Anns Soc. ent. Fr. (5) 10: 219 (♂; *Eristalomyia*). Type-loc: "Indostan."  
*rufus* (van der Goot). — Indochina, Java.  
 1964, Beaufortia 10: 220 (*Eristalis*; n. name for *ferrugineus* de Meijere).  
*ferrugineus* de Meijere, 1911, Tijdschr. Ent. 54: 339 (♂ ♀; *Eristalis*); preocc. Fabricius 1805). Type-loc: Muara Antjol, nr Batavia (Djakarta) and Pasuruan, Java.  
*selectans* (Curran). — Malaya.  
 1931, J. fed. Malay St. Mus. 16: 334 (♂; *Lathyrrophthalmus*). Type-loc: Bukit Kutu (3500 ft), Selangor, Malay. N. comb.  
*sepulchralis* (Linnaeus). — China [Chekiang, Kiangsu], India; Europe.  
 1758, Syst. Nat. Ed. 10: 596 (sex?; *Musca*). Type-loc: Europe.  
*sinabangensis* (de Meijere). — Simeuluë Island.  
 1915, Tijdschr. Ent. 58 (Suppl.): 31 (♀; *Eristalis*). Type-loc: Sinabang, Simalur.  
*suavissimus* (Walker). — Philippines [Luzon]; Moluccas (Aru), Australia, Guadalcanal, Micronesia, New Guinea.  
 1859, J. Linn. Soc. Lond. 3: 95 (♀; *Eristalis*). Type-loc: Aru Islands, Moluccas. N. comb.  
*tarsalis* (Macquart). — China, Formosa, India, Nepal; Japan, Korea.  
 1855, Dipt. exot. Suppl. 5: 87 (107) (♂ ♀; *Eristalis*). Type-loc: "Chine boreale." N. comb.  
*ocularis* Coquillett, 1898, Proc. U.S. natn. Mus. 21: 325 (♂ ♀; *Eristalis*). Type-loc: Japan. N. synonym.  
*tristriatus* (de Meijere). — Java, Philippines [Negros].  
 1911, Tijdschr. Ent. 54: 342 (♂; *Eristalis*). Type-locs: Semarang and Batavia (Djakarta), Muara Angke, Java. N. comb.

## Subgenus ERISTALODES Mik

- Eristalodes* Mik, 1897, Wien. ent. Ztg 16: 114. Type-species, *Eristalis taeniops* Wiedemann, by original designation.  
*paria* (Bigot). — Ceylon, Formosa, India [Himachal Pradesh, Madras, Mysore, Uttar Pradesh], Java, Laos, Malaya, Nepal; Japan, Moluccas (Ternate).  
 1880, Anns Soc. ent. Fr. (5) 10: 218 (♂ ♀; *Eristalomyia*). Type-loc: Cey-

## lon. N. comb.

*zebrina* Bigot, 1880, Anns Soc. ent. Fr. (5) 10: 222 (♂; *Eristalomyia*). Type-loc: Ternate, Moluccas.

*kobusi* de Meijere, 1908, Tijdschr. Ent. 51: 252 (♂ ♀; *Eristalis*). Type-loc: Tosari, W Java.

*arisanus* Matsumura, 1916, Thousand Insects Japan 2: 264 (♂; *Eristalis*). Type-loc: Arisan, Formosa.

*orientalis* Brunetti, 1923, Fauna Br. India, Dipt. 3: 183 (♂ ♀; as *Eristalis quinque-lineatus* var.). Type-loc; India.

*taeniops* (Wiedemann). — India, Nepal, W Pakistan; Africa, Canary Islands, Palearctic.

1818, Zool. Mag. (Wied.) 2: 42 (sex?; *Eristalis*). Type-loc: "Cape." N. comb.

## Subgenus MERODONOIDES Curran

*Merodonoides* Curran, 1931, J. fed. Malay St. Mus. 16: 333. Type-species, *circularis* Curran, by original designation, = *multifarius* (Walker).

*multifarius* (Walker). — Ceylon, India [Assam, Madhya Pradesh, Madras], Java, Malaya, Nepal, Viet Nam.

1852, Insecta Saundersiana 1: 248 (♀; *Eristalis*). Type-loc: East Indies. N. comb.

*circularis* Curran, 1931, J. fed. Malay St. Mus. 16: 333 (♂; *Merodonoides*). Type-loc: Kedah Peak (3300 ft), Malaya.

*minutus* Hull, 1944, Ann. Mag. nat. Hist. (11)11: 43 (♂; *Merodonoides*). Type-loc: Jubbulpore, India.

*czernyi* Hull, 1944, J. Wash. Acad. Sci. 34: 400 (♂; *Merodonoides*). Type-loc: Montes Mauson, Tonkin, N Viet Nam. N. synonym.

*kandyensis* Keiser, 1958, Revue suisse Zool. 65: 234 (♂; *Eristalis*). Type-loc: Kandy, Asgiriya Ceylon. N. synonym.

## Genus ERISTALIS Latreille

*Tubifera* Meigen, 1800, Nouv. Class. Mouches: 34. Type-species, *Musca tenax* Linnaeus, by designation of Coquillett (1910: 618). Suppressed by I.C.Z.N. 1963, Opinion 678: 339.

*Elophilus* Meigen, 1803, Magazin InsektKde 2: 274. Type-species, *Musca tenax* Linnaeus (as *Eristalis tenax* Fabricius), by designation of Latreille (1810: 443). (see Stone, et al. 1965: 622).

*Eristalis* Latreille, 1804, Nouv. Dict. Hist. nat. 24 (Tab. méth. Ins.): 194. Type-species, *Musca tenax* Linnaeus, by designation of Curtis (1832: pl. 432).

*Eristaloides* Rondani, 1845, Nuovi Annali Sci. nat. Bologna 2(2): 453. Type-species, *Musca tenax* Linnaeus, by designation of Coquillett (1910: 540).

*Eristalomya* Rondani, 1857, Dipterol. ital. Prodr. 2: 38. Type-species, *Musca tenax* Linnaeus, by original designation.

*Eristalomyia*, error or emendation.

References: Trybom 1875; Gabler 1932; Hartley 1961, 1963 (biol. imm. stages).

## Subgenus ERISTALIS Latreille

*proserpina* Wiedemann. — China.

1830, Aussereurop. zweifl. Insekt. 2: 157 (♂). Type-loc: China.

*tenax* (Linnaeus). — entire Oriental region; cosmopolitan.

1758, Syst. Nat. Ed. 10: 591 (sex?; *Musca*). Type-loc: Europe.

*cognatus* Wiedemann, 1824, Analecta Ent.: 37 (♂). Type-loc: Tranquebar, India. N. synonym.

*sinensis* Wiedemann, 1824, Analecta Ent.: 37 (♂). Type-loc; China. N. synonym.

*ventralis* Thomson, 1869, in K. svenska fregatten Eugenie's resa, Zool., Dipt.: 489 (♂ ♀). Type-loc: China. N. synonym.

## Subgenus EOSERISTALIS Kanervo

*Eoseristalis* Kanervo, 1938, Anns Univ. fenn. abo. (A) 6: 12. Type-species, *Eristalis cerealis* Fabricius, by original designation.

*albibasis* Bigot. — India [Himachal Pradesh]; China [Szechwan].

1880, Anns Soc. ent. Fr. (5) 10: 215 (♀). Type-loc: "Indostan."

*arbustorum* (Linnaeus). — India [Kashmir]; Holarctic.

1758, Syst. Nat. Ed. 10: 591 (sex?; *Musca*). Type-loc: Europe.

*bicornuta* de Meijere. — Java.

1924, Tijdschr. Ent. 67: 216 (♂ ♀). Type-loc: Pangerango, W Java.

*bidentata* Sack. — Philippines [Mindanao, Calicoan].

1926, Philipp. J. Sci. 29: 579 (♂). Type-locs: Kolambugan, Lanao, and Davao, Mindanao, Philippines.

*brevifacies* Coe. — India, Nepal.

1964, Bull. Br. Mus. nat. Hist. (Ent.) 15: 274 (♂ ♀). Type-loc: between Sangu and Tamrang, Taplejung District, E Nepal.

*cerealis* Fabricius. — throughout Oriental region; Japan, Korea, Sakhalin.

1805, Syst. Antliat.: 232 (sex?). Type-loc: China.

*solitus* Walker, 1849, List. Dipt. Colln Br. Mus. 3: 619 (♂). Type-loc: Nepal.

*incisuralis* Loew, 1858, Wien. ent. Mschr. 2: 108 (♂ ♀). Type-loc: Japan.

*barbata* Bigot, 1880, Anns Soc. ent. Fr. (5) 10: 214 (♂). Type-loc: "Indostan."

*cerealoides* Curran. — Borneo.

1931, J. fed. Malay St. Mus. 16: 374 (♀). Type-loc: Kamborangah, N Borneo.

*curvipes* Schiner. — Ceylon.

1868, in Reise der österreichischen Fregatte Novara, Dipt. 2: 363 (♂ ♀). Type-loc: Ceylon.

*himalayensis* Brunetti. — Burma, China [Szechwan], India [Himachal Pradesh, Kashmir, Sikkim, Uttar Pradesh, W Bengal], Nepal.

1908, Rec. Indian Mus. 2: 70 (n. name for *ursinus* Bigot).

*ursinus* Bigot, 1880, Anns Soc. ent. Fr. (5) 10: 215 (♂; preocc. Jaenicke 1867). Type-loc: "Indostan."

*horticola* (De Geer). — India, ?Malaya; Europe, N Africa.

1776, Mém. pour serv. Hist. Ins. 6: 140 (sex?; *Musca*). Type-loc: Europe.

*basifemorata* Brunetti, 1923, Fauna Br. India, Dipt. 3: 175 (♀). Type-loc: India.

*intricarioides* Brunetti. — India [Sikkim], Nepal.

1923, Fauna Br. India, Dipt. 3: 171 (♀). Type-loc: Sikkim, India.

- simplicipes* Curran. — Malaya.  
1928, J. fed. Malay St. Mus. 14: 300 (♂ ♀). Type-locs: Gunung Tahan (7186 ft), Gunung Gedong (6400 ft), Rhododendron Hill (5200 ft), Cameron Highlands, and Lubok Tamang (3500 ft), Pahang, Malaya.
- suturalis* Brunetti. — India [Assam], Laos, Viet Nam.  
1923, Fauna Br. India, Dipt. 3: 193 (♂ ♀). Type-loc: Khasi Hills, Assam, India.  
*vitalisi* Hervé-Bazin, 1923, Bull. Soc. ent. Fr. 1923: 26 (♂ ♀). Type-locs: Laos; and Tonkin, Viet Nam.

#### Unplaced species of *Eristalis* Latreille

- acquipars* Walker. — Moluccas (Mysol).  
1864, J. Linn. Soc. Lond. 7: 210 (♂). Type-loc: Mysol, Moluccas.
- angustimarginalis* Brunetti. — Burma, India [Assam].  
1923, Fauna Br. India, Dipt. 3: 176 (♂ ♀). Type-locs: Takepum Mt, Chinese Frontier, NE Burma; and Shillong, India.
- cingulata* Sack. — Formosa, Philippines [Negros].  
1927, Stettin, ent. Ztg 88: 311 (♂ ♀). Type-locs: Tappani, and Kanshize, Formosa.
- collaris* de Meijere. — Borneo, Philippines [Mindanao]; Australia, Guadalcanal, New Britain, New Guinea.  
1908, Tijdschr. Ent. 51: 258 (♂ ♀). Type-locs: Seleo, Berlinhafen, New Guinea; Hapotheron, I. Deslac, and Kinigunang, New Britain.
- erythropyga* Walker. — Moluccas.  
1864, J. Linn. Soc. Lond. 7: 211 (♂). Type-loc: Mysol, Moluccas.
- flava* Sack. — Philippines [Luzon].  
1926, Philipp. J. Sci. 29: 582 (♂). Type-loc: Manila, Luzon, Philippines.
- formosana* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 144 (♂ ♀). Type-locs: Taiheisan and Tenchosan, Formosa.
- inficita* Walker. — Celebes.  
1861, J. Linn. Soc. Lond. 5: 303 (♂). Type-loc: Tidon, Celebes.
- javana* Macquart. — Java.  
1842, Dipt. exot. 2(2): 32 (92) (♂). Type-loc: Java.
- marginata* de Meijere. — Simeuluë Island.  
1915, Tijdschr. Ent. 58 (Suppl.); 35 (♂ ♀). Type-locs: Pulu Babi, and Sinabang, Simalur.
- meijerei* van der Goot. — Simeuluë Island.  
1964, Beaufortia 10: 219 (n. name for *chalybaeus* de Meijere).  
*chalybaeus* de Meijere, 1915, Tijdschr. Ent. 58 (Suppl.): 30 (♀; preocc. Macquart 1842). Type-loc: Sinabang, Simalur.
- neptunus* de Meijere. — Java.  
1911, Tijdschr. Ent. 54: 340 (♂). Type-loc: Muara Antjol nr Batavia (Jakarta), Java.
- penangensis* Curran. — Malaya.  
1931, J. fed. Malay St. Mus. 16: 337 (♀). Type-loc: Penang Island, Malaya.

- perakensis* Curran. — Malaya.  
1928, J. fed. Malay St. Mus. 14: 306 (♀). Type-loc: Jor Camp (2000 ft), Perak, Malaya.
- polychromata* Brunetti. — India [W Bengal].  
1923, Fauna Br. India, Dipt. 3: 180 (♂ ♀). Type-loc: Calcutta, India.
- resoluta* Walker. — Sula Islands; Australia, Guadalcanal, Moluccas (Aru, Kai), New Guinea.  
1858, J. Linn. Soc. Lond. 3: 95 (♂ ♀). Type-loc: Aru Islands, Moluccas.
- sacki* van der Goot. — Formosa.  
1964, Beaufortia 10: 220 (n. name for *semisplendens* Shiraki).  
*semisplendens* Shiraki, 1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 140 (♂ ♀; preocc. Sack 1926). Type-locs: Kotosh, Kankau, Sokutsu, and Kosempo, Formosa.
- semicirculus* Walker. — Not Oriental (see van der Wulp, 1899, Tijdschr. Ent. 42: 52); Neotropical.
- simulata* Brunetti. — India [Madras].  
1923, Fauna Br. India, Dipt. 3: 177 (♂ ♀). Type-loc: Ootacamund, India.
- tomentosa* Macquart. — Java.  
1848, Dipt. exot. Suppl. 3: 39 (199) (♀). Type-loc: Java.
- violacea* Macquart. — Java.  
1848, Dipt. exot. Suppl. 3: 40 (200) (♀). Type-loc: Java.

#### Genus *HELOPHILUS* Meigen

- Helophilus* Meigen, 1822, Syst. Besch. europ. zweifl. Insekt. 3: 368. Type-species, *Musca pendula* Linnaeus, by designation of Curtis (1832: pl. 429).
- notabilis* Macquart. — Java.  
1842, Dipt. exot. 2(2): 63 (123) (♀). Type-loc: Java.

#### Unplaced species of *Helophilus* Meigen

- aeneus* Brunetti. — Nepal.  
1907, Rec. Indian Mus. 1: pl. xii, fig. 15 (♀; as *aënous*; 1908, Rec. Indian Mus. 2: 66 (descr.); 1923, Fauna Br. India, Dipt. 3: 206 (emend.)). Type-loc: Soondrijal, Nepal.  
*aënus*, error.
- celeber* Osten Sacken. — Philippines.  
1882, Berl. ent. Z. 26: 116 (♂). Type-loc: Philippines.
- conclusus* Walker. — Celebes.  
1860, J. Linn. Soc. Lond. 4: 119 (♂). Type-loc: Makasar, Celebes.
- consors* Walker. — Celebes.  
1860, J. Linn. Soc. Lond. 4: 119 (♂). Type-loc: Makasar, Celebes.

#### Genus *KEDA* Curran

- Keda* Curran, 1931, J. fed. Malay St. Mus. 16: 331. Type-species, *Eristalis simpliciceps* de Meijere, by original designation, = *orientalis* (Rondani).



- orientalis* (Rondani). — Borneo, Java, Malaya; New Guinea.  
1875, *Annali Mus. civ. Stor. nat. Giacomo Doria* 7: 421 (♀; *Eristalomyia*).  
Type-loc: Sarawak, Borneo. N. comb.  
*simpliciceps* de Meijere, 1914, *Tijdschr. Ent.* 57: 146 (♀; *Eristalis*). Type-loc:  
Batavia (Djakarta), Java. N. synonym.

### Genus KERTESZIOMYIA Shiraki

- Kertesziomyia* Shiraki, 1930, *Mem. Fac. Agric. Taihoku imp. Univ.* 1: 151. Type-species, *Eristalis violascens* Kertész, by original designation.  
*fulgens* (Macquart). — Java; Australia.  
1850, *Dipt. exot. Suppl.* 4: 135 (439) (♂; *Eristalis*). Type-loc: Java.  
*violascens* (Kertész). — Formosa.  
1913, *Annls hist.-nat. Mus. natn. hung.* 11: 282 (♂ ♀; *Eristalis*). Type-locs: Kosempo, Fushosho, Polisha, and Alikang, Formosa.

### Genus MALLOTA Meigen

- Mallota* Meigen, 1822, *Syst. Besch. europ. zweifl. Insekt.* 3: 377. Type-species, *Syrphus fuciformis* Fabricius, by designation of Rondani (1845:452).  
*Imatisma* Macquart, 1842, *Dipt. exot.* 2(2): 67 (127). Type-species, *Eristalis posticatus* Fabricius, by original designation.  
*Tigridemyia* Bigot, 1882, *Annls Soc. ent. Fr.* (6) 2 (Bull.): cxxi. Type-species, *pictipes* Bigot, by monotypy, = *curvigaster* (Macquart). N. synonym.  
*Trigridiamyia*, emendation.  
*Tigridomyia*, emendation.  
*Teuchomerus* Sack, 1922, *Arch. Naturgesch. (A)* 87(11): 266. Type-species, *Polydonta orientalis* Brunetti, by original designation, = *curvigaster* (Macquart). N. synonym.  
*Helophilus*, subg. *Paramesembrius* Shiraki, 1930, *Mem. Fac. Agric. Taihoku imp. Univ.* 1: 176. Type-species, *Tubifera abdominalis* Sack, by designation of Shiraki (1969: 227). N. synonym.  
*Mallota*, subg. *Paramallota* Shiraki, 1930, *Mem. Fac. Agric. Taihoku imp. Univ.* 1: 191. Type-species, *haemorrhoidalis* Sack, by original designation.  
*Klossia* Curran, 1931, *J. fed. Malay St. Mus.* 16: 370. Type-species, *dimidiata* Curran, by original designation, = *singularis* (Walker). N. synonym.  
*abdominalis* (Sack). — Formosa; Japan.  
1927, *Stettin. ent. Ztg* 88: 314 (♂; *Tubifera*). Type-locs: Suisharyo, and Kankau, Formosa. N. comb.  
*curvigaster* (Macquart). — Borneo, Ceylon, China, Formosa, India, Malaya.  
1842, *Dipt. exot.* 2(2): 62 (122) (♂; *Helophilus*). Type-loc: Java. N. comb.  
*interveniens* Walker, 1860, *J. Linn. Soc. Lond.* 4: 120 (♂; *Merodon*). Type-loc: Makasar, Celebes.  
*pictipes* Bigot, 1882, *Annls Soc. ent. Fr.* (6) 2 (Bull.): cxxi (♂; *Tigridemyia*). Type-loc: Java.  
*orientalis* Brunetti, 1908, *Rec. Indian Mus.* 2: 74 (♂; *Polydonta*). Type-loc: "Inde."  
*formosana* Shiraki. — Formosa.  
1930, *Mem. Fac. Agric. Taihoku imp. Univ.* 1: 196 (♂ ♀). Type-locs: Horisha, Koshun, and Kosempo, Formosa.

- fulvula* Curran. — Malaya.  
1928, *J. fed. Malay St. Mus.* 14: 288 (♀). Type-loc: Sungai Bertam (4800 ft), Pahang, Malaya.  
*haemorrhoidalis* Sack. — Formosa.  
1927, *Stettin. ent. Ztg* 88: 317 (♂ ♀). Type-locs: Kosempo, and Chosokai, Formosa.  
*horishana* Shiraki. — Formosa.  
1930, *Mem. Fac. Agric. Taihoku imp. Univ.* 1: 194 (♂ ♀). Type-locs: Horisha, Toa Tsui Kutsu, Fushosho, Kosempo, and Suisharyo, Formosa.  
*hysopia* Vockeroth (for *horishanus* Shiraki). — Formosa. N. name.  
*horishanus* Shiraki, 1930, *Mem. Fac. Agric. Taihoku imp. Univ.* 1: 178 (♂ ♀; *Helophilus*; preocc. Shiraki 1930). Type-loc: Horisha, Formosa. N. comb.  
*maculata* Curran. — Thailand.  
1928, *J. fed. Malay St. Mus.* 14: 289 (♀). Type-loc: Khao Luang (5800 ft), Nakhon Si Thammarat, Thailand.  
*matolla* Knutson (for *orientalis* Macquart). — Formosa, Malaya. N. name.  
*orientalis* Macquart, 1842, *Dipt. exot.* 2(2): 69 (129) (♂; *Imatisma*; preocc. Wiedemann 1824). Type-loc: "Indes Orientales."  
*nebulipennis* (de Meijere). — Java.  
1914, *Tijdschr. Ent.* 57: 145 (♀; *Eristalis*). Type-loc: Gunung Gede, Java. N. comb.  
*orientalis* (Wiedemann). — Formosa, India [Sikkim, W Bengal], Java, Laos, Malaya.  
1824, *Analecta Ent.*: 38 (♂; *Eristalis*). Type-loc: Java.  
*quadrangulum* (de Meijere). — Malaya.  
1915, *Tijdschr. Ent.* 58 (Suppl.): 33 (♀; *Eristalis*). Type-loc: Sinabang, Malaya. N. comb.  
*rufipes* Brunetti. — India [W Bengal].  
1913, *Rec. Indian Mus.* 9: 271 (♂). Type-loc: Singla, Darjeeling District, India.  
*singularis* (Walker). — Borneo, Malaya.  
1857, *J. Linn. Soc. Lond.* 1: 17 (♀; *Eristalis*). Type-loc: Singapore, Malaya. N. comb.  
*dimidiata* Curran, 1931, *J. fed. Malay St. Mus.* 16: 370 (♀; *Klossia*). Type-loc: Bettotan, nr Sandakan, N Borneo.  
*sufficiens* Curran. — Malaya.  
1928, *J. fed. Malay St. Mus.* 14: 291 (♀). Type-loc: Lubok Tamang (3500 ft), Pahang, Malaya.  
*vilis* (Wiedemann). — Ceylon, India, Java, Thailand.  
1830, *Aussereurop. zweifl. Insekt.* 2: 164 (♂; *Eristalis*). Type-loc: Java. N. comb.  
*eristoloides* Curran, 1928, *J. fed. Malay St. Mus.* 14: 293 (♂; preocc. Loew 1856). Type-loc: Khao Luang (5800 ft), Nakhon Si Thammarat, Thailand. N. synonym.  
*malayana* Curran, 1931, *J. fed. Malay St. Mus.* 16: 328 (n. name for *eristoloides* Curran).

## Genus MESEMBRIUS Rondani

- Mesembrius* Rondani, 1857, Dipt. ital. Prodr. 2: 50. Type-species, *Helophilus peregrinus* Loew, by monotypy.
- Eumerosyrphus* Bigot, 1882, Anns Soc. ent. Fr. (6) 2 (Bull.): cxxviii. Type-species, *indianus* Bigot, by monotypy, = *bengalensis* (Wiedemann).
- References: Curran 1925, 1947 (keys); Bhatia 1931 (biol., imm. stages).
- atrolaneus* Edwards. — Sumatra.  
1919, J. fed. Malay St. Mus. 8: 43 (♂). Type-loc: Sandaran Agong, Korinchi Lake, Sumatra.
- bengalensis* (Wiedemann). — SE Asia to New Guinea and northern Australia.  
1819, Zool. Mag. (Wied.) 1: 16 (♂ ♀; *Eristalis*). Type-loc: Bengal, India.
- pilipes* Doleschall, 1857, Natuurk. Tijdschr. Ned.-Indië 14: 410 (sex?; *Helophilus*). Type-loc: middle Java.
- indianus* Bigot, 1882, Anns Soc. ent. Fr. (6) 2 (Bull.): cxxviii (♂; *Eumerosyrphus*). Type-loc: India.
- formosanus* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 172 (♂ ♀). Type-locs: Shinchiku, Horisha, Jukirin, Taihorin, Namakaban, Tabo, and Kotosho, Formosa.
- gigas* Curran. — Malaya.  
1928, J. fed. Malay St. Mus. 14: 296 (♀). Type-loc: Lubok Kedondong, NW of Mt Ophir (200 ft), Malacca-Johore border, Malaya.
- insignis* (Walker). — Borneo, Burma, Java, Malaya.  
1857 (March 1), J. Linn. Soc. Lond. 1: 17 (♀; *Helophilus*). Type-loc: Singapore, Malaya.
- insignis* Doleschall, 1857 (March 16), Natuurk Tijdschr. Ned.-Indië 14: 409 (sex?; *Helophilus*). Type-loc: Karangbollong, middle Java.
- doleschalli* Brunetti, 1908, Rec. Indian Mus. 2: 68 (n. name for *insignis* Doleschall).
- niveiceps* (de Meijere). — Formosa, Java, Ryukyu Islands.  
1908, Tijdschr. Ent. 51: 236 (♂; *Helophilus*). Type-loc: Java.
- quadrivittatus* (Wiedemann). — India, Java; Moluccas (Aru).  
1819, Zool. Mag. (Wied.) 1: 17 (♂; *Eristalis*). Type-loc: Tranquebar, Madras, India (Curran, 1930: 1).
- tuberosus* Curran. — China [Fukien].  
1925, Am. Mus. Novit. 200: 5 (♂ ♀). Type-loc: Yen-ping, Fukien, China.
- vestitus* (Wiedemann). — Java, Sumatra.  
1824, Analecta Ent.: 36 (♂ ♀; *Eristalis*). Type-loc: Java.
- wulpi* van der Goot. — Celebes, Formosa, Java, Philippines [Luzon, Negros]; Moluccas (Aru), New Guinea.  
1964, Beaufortia 10: 220 (n. name for *Helophilus albiceps* van der Wulp).  
*albiceps* van der Wulp, 1867, Tijdschr. Ent. 11: 116 (♂ ♀; *Helophilus*; preocc. Macquart 1846). Type-locs: Celebes; and Aru Islands, Moluccas.

## Genus PHYTOMIA Guérin-Ménéville

- Pachycephalus* Wiedemann, 1830, Aussereurop. zweifl. Insekt. 2: 152 (preocc. Stephens 1826). Type-species, *Eristalis chrysopygus* Wiedemann, by present designation.

- Phytomia* Guérin-Ménéville, 1834, in Bélanger, Voyage Ind.-Orient. 7:509. Type-species, *Eristalis chrysopygus* Wiedemann, by monotypy.
- Megaspis* Macquart, 1842, Dipt. exot. 2(2): 27 (87). Type-species, *Eristalis chrysopygus* Wiedemann, by designation of Brunetti 1923: 196.
- References: Brunetti 1908; de Meijere 1908 (keys).

## Subgenus PHYTOMIA Guéria-Ménéville

- aesymnus* (Walker). — Borneo, ?India, Java, Malaya, Sumatra.  
1849, List Dipt. Br. Mus. 3: 630 (♂; *Eristalis*). Type-loc: East Indies.
- flavofasciatus* Macquart, 1850, Dipt. exot. Suppl. 4: 136 (440) (♂ ♀; *Eristalis*). Type-loc: Java. N. synonym.
- ursina* Jaenicke, 1867, Abh. senckenb. naturf. Ges. 6: 401 (♀; *Eristalis*). Type-loc: Java.
- argyrocephala* (Macquart). — Burma, India [Madras, Mysore, W Bengal], Java, Laos, Sumatra, Sumbawa.  
1842, Dipt. exot. 2(2): 45 (105) (♂ ♀; *Eristalis*). Type-loc: "Indes orientales."
- transversus* Brunetti, 1908, Rec. Indian Mus. 2: 73 (♂ ♀; *Megaspis*). Type-locs: Calcutta, and Bangalore, India.
- chrysopyga* (Wiedemann). — Burma, India [Assam], Java, Laos, Malaya, Sumatra, Thailand.  
1819, Zool. Mag. (Wied.) 1: 15 (♂; *Eristalis*). Type-loc: Java.
- aurata* Macquart, 1834, Hist. nat. Ins. Dipt. 1: 494 (♂; *Volucella*). Type-loc: Java.
- errans* (Fabricius). — China, throughout SE Asia; Japan.  
1787, Mantissa Insect. 2: 337 (♀; *Syrphus*). Type-loc: China.
- varipes* Macquart, 1842, Dipt. exot. 2(2): 46 (106) (♂ ♀; *Eristalis*). Type-locs: "Indes orientales" and China.
- amphicrates* Walker, 1849, List Dipt. Colln Br. Mus. 3: 623 (♂ ♀; *Eristalis*). Type-locs: N Bengal; Java; East Indies; and China.
- plistoanax* Walker, 1849, List Dipt. Colln Br. Mus. 3: 628 (♂; *Eristalis*). Type-loc: Philippine Islands.
- aryrus* Walker, 1849, List Dipt. Colln Br. Mus. 3: 629 (♂; *Eristalis*). Type-loc: Philippine Islands.
- macquartii* Doleschall, 1856, Natuurk. Tijdschr. Ned.-Indië 10: 410 (sex?; *Eristalis*). Type-loc: Java.
- sculptata* (van der Wulp). — Timor.  
1868, Tijdschr. Ent. 11: 113 (♀; *Megaspis*). Type-loc: Timor.
- tenebrica* Edwards. — Sumatra.  
1919, J. fed. Malay St. Mus. 8: 42 (♂). Type-loc: Sungei Kumbang, Sumatra.
- zonata* (Fabricius). — entire SE Asia; Japan, Korea, Manchuria.  
1787, Mantissa Insect. 2: 337 (♀; *Syrphus*). Type-loc: China.
- zonalis*, error or emendation.
- sinensis* Gmelin, 1790, Syst. Nat. 5: 2872 (sex?; *Musca*; unjustified n. name for *zonata* Fabricius).
- lata* Macquart, 1842, Dipt. exot. 2(2): 35 (95) (♀; *Eristalis*). Type-loc: "Patrie inconnue."
- andraemon* Walker, 1849, List Dipt. Colln Br. Mus. 3: 627 (♀; *Eristalis*). Type-locs: Sylhet, E Pakistan and Sikkim, India.

- datamus* Walker, 1849, List Dipt. Colln Br. Mus. 3: 628 (♀; *Eristalis*). Type-loc: unknown.  
*babytace* Walker, 1849, List Dipt. Colln Br. Mus. 3: 629 (♂; *Eristalis*). Type-loc: Philippine Islands.  
*exterus* Walker, 1852, Insecta Saundersiana 1: 248 (♀; *Eristalis*). Type-loc: East Indies.  
*cingulata* Vollenhoven, 1863, Versl. Meded. K. Akad. wet. Amst. 15: 12 (sex?; *Megaspis*). Type-loc: Japan.

#### Subgenus DOLICHOMERUS Macquart

- Dolichomerus* Macquart, 1850, Dipt. exot. Suppl. 4: 131 (435). Type-species, *Syrphus crassus* Fabricius, by monotypy.  
*crassa* (Fabricius). — Celebes, Ceylon, India [Andhra Pradesh, Assam, Madras], Laos, Malaya, Nepal, Thailand.  
 1787, Mantissa Insect. 2: 334 (sex?; *Syrphus*). Type-loc: Tranquebar, Madras, India.  
*mégacephalus* Fabricius, 1798, Suppl. Ent. Syst.: 561 (sex?; *Syrphus*). Type-loc: "India oriental."

#### Genus PSEUDERISTALIS Shiraki

- Eristalis*, subg. *Pseuderistalis* Shiraki, 1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 147. Type-species, *bicolor* Shiraki, by original designation.  
*bicolor* (Shiraki). — Formosa.  
 1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 148 (♂ ♀; *Eristalis*). Type-loc: Suisha, Formosa.  
*fascipennis* Thompson (for *maculipennis* de Meijere). — Burma, India [Assam], Java, Philippines [Mindoro, Negros, Mindanao]. N. name.  
*maculipennis* de Meijere, 1908, Tijdschr. Ent. 51: 261 (♂; *Eristalis*; preocc. Townsend 1897). Type-loc: Lawang, E Java.  
*nigra* (Wiedemann). — throughout SE Asia; Moluccas (Mysol), New Guinea.  
 1824, Analecta Ent.: 38 (♀; *Eristalis*). Type-loc: Java.  
*bomboides* Walker, 1860, J. Linn. Soc. Lond. 4: 119 (♂ ♀; *Eristalis*). Type-loc: Makasar, Celebes.  
*obscurata* Walker, 1861, J. Linn. Soc. Lond. 5: 239 (♂ ♀; *Eristalis*). Type-loc: Dorey, New Guinea.  
*tortuosa* Walker, 1861, J. Linn. Soc. Lond. 5: 266 (♂; *Eristalis*). Type-loc: Tond, Celebes.  
*pura* Curran. — Malaya.  
 1928, J. fed. Malay. St. Mus. 14: 305 (♀). Type-loc: Ginting Sempak, Selangor-Pahang border, Malaya.  
*semisplendens* (Sack). — Philippines [Luzon, Palawan, Leyte, Negros, Mindanao].  
 1926, Philipp. J. Sci. 29: 584 (♀; *Eristalis*). Type-loc: Cuernos Mts, Negros Occidental, Philippines. N. comb.  
*velutina* (Sack). — Philippines [Negros].  
 1926, Philipp. J. Sci. 29: 586 (♀; *Eristalis*). Type-loc: Cuernos Mts, Negros Occidental, Philippines. N. comb.

#### Genus SENASPIS Macquart

- Senaspis* Macquart, 1850, Dipt. exot. Suppl. 4: 133 (437). Type-species, *flaviceps* Macquart, by monotypy.  
*dentipes* (Macquart). — Not Oriental; Ethiopian.  
 1842, Dipt. exot. 2(2): 37 (97) (♂; *Eristalis*). Type-loc: "Java." Senior synonym of *aesacus* (Walker), a common Ethiopian species.

#### Tribe MILESINI

#### Genus BRACHYPALPUS Macquart

- Brachypalpus* Macquart, 1834, Hist. nat. Ins. Dipt. 1: 523. Type-species, *tuberculatus* Macquart, by designation of Rondani (1845: 456), = *valgus* (Panzer).  
*dives* Brunetti. — India [Assam].  
 1908, Rec. Indian Mus. 2: 86 (♂). Type-loc: Kohima, Assam, India.  
*trilineatus* Hull. — Java.  
 1943, J. Wash. Acad. Sci. 33: 43 (♀). Type-loc: Mt Gede, Tjibodas, Java.

#### Genus CHEIROXYLOTA Hull

- Xylota*, subg. *Cheiroxylota* Hull, 1949, Trans. zool. Soc. Lond. 26: 361. Type-species, *dimidiata* Brunetti, by original designation.  
*dimidiata* (Brunetti). — Nepal, W Pakistan.  
 1923, Fauna Br. India, Dipt. 3: 232 (♀; *Xylota*). Type-loc: Dungagli, Hazara District, India.

#### Genus CRIORHINA Meigen

- Penthesilea* Meigen, 1800, Nouv. Class. Mouches: 35. Type-species, *Musca ruficauda* DeGeer, by subsequent monotypy (Bezzi, in Hensel 1908: 67); misidentification, = *ranunculi* (Panzer). Suppressed by I.C.Z.N. 1963, Opinion 678: 339.  
*Criorhina* Meigen, 1822, Syst. Besch. europ. zweifl. Insekt. 3: 236. Type-species, *Syrphus asilicus* Fallén, by designation of Westwood (1840: 136).  
*Criorrhina*, emendation.  
*bomboides* Hull. — India [Assam].  
 1944, Ann. Mag. nat. Hist. (11) 11: 37 (♂). Type-loc: Shillong, Assam, India.  
*crioarctos* Hull. — Burma.  
 1944, Ann. Mag. nat. Hist. (11) 11: 36 (♀). Type-loc: Burma.  
*cyaniventris* (Sack). — Philippines [Negros].  
 1926, Philipp. J. Sci. 29: 588 (♂; *Penthesilea*). Type-loc: Fabrica, Negros Occidental, Philippines.  
*dentata* Brunetti. — India.  
 1908, Rec. Indian Mus. 2: 87 (♂). Type-loc: Kodiali, Simla District, India.  
*excavata* Curran. — India [Uttar Pradesh].  
 1929, Ann. ent. Soc. Am. 22: 498 (♂). Type-loc: Deoban, Chakrata, India.

*Chalcotryphus* (Chev)

- formosana* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 51 (♀). Type-loc: Rantai-zan, Formosa.
- imitator* Brunetti. — India [Kashmir, Uttar Pradesh].  
1915, Rec. Indian Mus. 11: 236 (♀). Type-loc: W Himalaya, Garhwal District, India.
- interrupta* Brunetti. — W Pakistan.  
1923, Fauna Br. India, Dipt. 3: 287 (♂). Type-loc: Dungagali, Hazara District, (W Pakistan).
- pallidipes* Curran. — India [Uttar Pradesh].  
1929, Ann. ent. Soc. Am. 22: 498 (♂). Type-loc: Deoban, Chakrata, India.
- pallipilosa* Hull. — India [Kashmir].  
1944, Ann. Mag. nat. Hist. (11) 11: 34 (♂). Type-loc: Gulmarg, Kashmir, India.
- ssp. *bicolorata* Hull. — India [Kashmir].  
1950, Ann. Mag. nat. Hist. (12) 3: 610 (♀). Type-loc: Gulmarg, Kashmir, India.
- rubripes* (Matsumura). — Formosa; Japan.  
1916, Thousand Insects Japan 2: 218 (♀; *Mallota*). Type-loc: Kyoto, Honshu, Japan.
- rubropilosa* Hull. — India [Kashmir].  
1950, Ann. Mag. nat. Hist. (12) 3: 608 (♀). Type-loc: Gulmarg, Kashmir, India.
- setosa* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 54 (♀). Type-loc: Karenko, Formosa.
- shirakii* van der Goot. — Formosa.  
1964, Beaufortia 10: 220 (n. name for *apiformis* Shiraki).  
*apiformis* Shiraki, 1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 52 (♀; preocc. Macquart 1829). Type-loc: Karenko, Formosa.
- simiodes* (Brunetti). — India.  
1908, Rec. Indian Mus. 2: 83 (♂; *Deineches*). Type-loc: "Inde."
- spinitarsis* Curran. — India [Uttar Pradesh].  
1929, Ann. ent. Soc. Am. 22: 499 (♂). Type-loc: Rishikesh, Dehra Dun, India.
- trifasciata* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 56 (♂). Type-loc: Rantai-zan, Formosa.
- tripilosa* Coe. — India [Uttar Pradesh].  
1964, Bull. Br. Mus. nat. Hist. (Ent.) 15: 279 (♀). Type-loc: Barasu, Kumaon, India.
- vidua* Brunetti. — India [Kashmir].  
1923, Fauna Br. India, Dipt. 3: 285 (♀). Type-loc: Kashmir, India.

### Genus KORINCHIA Edwards

*Korinchia* Edwards, 1919, J. fed. Malay St. 8: 39. Type-species, *klossi* Edwards, by designation of Edwards, in Brunetti (1923: 224).

- apicalis* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 157 (♂). Type-loc: Karenko, Formosa.
- formosana* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 154 (♂ ♀). Type-locs: Shinchiku, Arisan, Karenko, and Tabani, Formosa.
- klossi* Edwards. — Sumatra.  
1919, J. fed. Malay St. Mus. 8: 40 (♂). Type-loc: Sungei Kumbang, Sumatra.
- minor* (de Meijere). — Sumatra.  
1919, Bijdr. Dierk. 21: 27 (♂; *Milesia*). Type-loc: Peak of Korinchi, Sumatra.  
*monticola* Edwards, 1919, J. fed. Malay St. Mus. 8: 41 (♂). Type-loc: Korinchi Peak, Sumatra.
- nova* Hull. — China.  
1937, J. Wash. Acad. Sci. 27: 175 (♀). Type-loc: Ningyuenfu, China.
- pendleburyi* Curran. — Borneo.  
1931, J. fed. Malay St. Mus. 16: 373 (♂). Type-loc: Mt Kinabalu, Kamborangah (7200 ft), N Borneo.
- robinsoni* Edwards. — Sumatra.  
1919, J. fed. Malay St. Mus. 8: 41 (♀). Type-loc: Sungei Kumbang, Sumatra.
- rufa* Hervé-Bazin. — India [Madras].  
1922, Bull. Soc. ent. Fr. 1922: 122 (♂ ♀). Type-loc: Kodaikanal, S India.
- simulans* (de Meijere). — Java, Laos, Sumatra.  
1914, Tijdschr. Ent. 57: 144 (♂ ♀; *Milesia*). Type-locs: Gunung Gede, and Gunung Ungaran, Java.  
*aurata* Hervé-Bazin, 1922, Bull. Soc. ent. Fr. 1922: 213 (♀). Type-loc: Mt Gede, Java.

### Genus LYCASTRIS Walker

- Lycastris* Walker, 1857, Trans. ent. Soc. Lond. (n. Ser.) 4: 155. Type-species *albipes* Walker, by monotypy.
- Xiphotheromyia* Bigot, 1892, Wien. Ent. Ztg 11: 161. Type-species, *glossata* Bigot, by monotypy, = *albipes* Walker.  
Reference: Coe 1964 (key).
- albipes* Walker. — India.  
1857, Trans. ent. Soc. Lond. (n. ser.) 4: 155 (♀). Type-loc: "Hindustan."  
*glossata* Bigot, 1892, Wien. ent. Ztg 11: 161 (♂; *Xiphotheromyia*). Type-loc: Sabateo, India.
- austeni* Brunetti. — India [W Bengal].  
1923, Fauna Br. India, Dipt. 3: 279 (♂ ♀). Type-loc: Darjeeling, India.
- cornuta* Enderlein. — Formosa.  
1911, Stettin ent. Ztg 72: 236 (♀). Type-loc: Formosa.
- flavohirta* Brunetti. — India [W Bengal].  
1907, Rec. Indian Mus. 1: pl. xi, figs. 16 & 17; 1908, Rec. Indian Mus. 2: 85 (♂). Type-loc: Darjeeling, India.

*griseipennis* Coe. — India [Assam].

1964, Bull. Br. Mus. nat. Hist. (Ent.) 15: 281 (♂). Type-loc: Mishmi Hills, Delai Valley, Cha Che, Assam, NE India.

### Genus MILEZIA Latreille

*Milesia* Latreille, 1804, Nouv. Dict. Hist. nat. 24 (Tab. méth. Ins.): 194. Type-species, *Syrphus crabroniformis* Fabricius, by designation of Williston (1887: 254).

To preserve the long and almost universal usage of *Milesia* in the sense of *Syrphus crabroniformis* Fabricius, as type-species, the International Commission on Zoological Nomenclature should be asked to suspend the rules and suppress Rondani's (1844, Nuovi Annali Sci. nat. Bologna (2) 2: 455) designation of *Musca diophthalma* Linnaeus (type-species of *Spilomyia* Meigen) and to place *Milesia* Latreille on the Official list of Generic Names with *Syrphus crabroniformis* Fabricius as type-species (see Williston 1887: 254-255).

*ammochrysus* Séguy. — Viet Nam.

1948, Notes ent. chin. 12: 166 (♂). Type-loc: Caleu, Annam (N Viet Nam).

*apicalis* Snellen van Vollenhoven. — Java.

1863, Versl. Meded. K. Akad. wet. Amst. 15: 13 (♂). Type-loc: Java.

*apsycta* Séguy. — China [Fukien].

1948, Notes ent. chin. 12: 167 (♂; as *apsyctos*). Type-loc: "Chine: Foukien, San-tao-ho, Ile des Araignées."

This name is a Greek adjective; in accordance with Article 11b of the International Code we have latinized it.

*balteata* Kertész. — India [Assam, Sikkim], Laos, Malaya, Thailand.

1901, Természetr. Füz. 24: 414 (♂ ♀). Type-loc: Sikkim, India.

*himalayensis* Brunetti, 1908, Rec. Indian Mus. 2: 82 (♂ ♀). Type-locs: Assam and Sikkim, India.

*bigoti* Osten Sacken. — Philippines [Luzon].

1882, Berl. ent. Z. 26: 190 (♂ ♀). Type-loc: Philippines.

*brunettii* Hervé-Bazin. — Laos, Nepal.

1923, Bull. Soc. ent. Fr. 1923: 26 (♀). Type-locs: Laos; and Himalaya.

*brunnea* Hervé-Bazin. — Laos.

1923, Bull. Soc. ent. Fr. 1923: 26 (♂). Type-loc: Laos.

*callida* Curran. — Borneo, Malaya.

1928, J. fed. Malay St. Mus. 14: 181 (♂). Type-loc: Payang, 'beluka' (500 ft), Singapore, Malaya.

*conspicienda* Walker. — Celebes, Philippines [Luzon, Sibuyan, Mindanao].

1860, J. Linn. Soc. Lond. 4: 118 (♂ ♀). Type-loc: Makasar, Celebes.

*conspicua* Curran. — Malaya.

1928, J. fed. Malay St. Mus. 14: 178 (♂). Type-locs: Gunong Tahan, Tangga Duablas (5700 ft) and Cameron Highlands, Rhododendron Hill (5200 ft), Pahang, Malaya.

*decora* Brunetti. — India [Assam].

1923, Fauna Br. India, Dipt. 3: 274 (♀). Type-loc: Lower Ranges, N Khasi Hills, Assam, India.

*diardi* Snellen van Vollenhoven. — Borneo.

1863, Versl. Meded. K. Akad. wet. Amst. 15: 14 (♂). Type-loc: Borneo.

*doriae* (Rondani). — Borneo.

1875, Annali Mus. civ. Stor. nat. Giacomo Doria 7: 422 (♂; *Sphixea*). Type-loc: Sarawak, Borneo.

*excella* Curran. — Malaya, Thailand.

1928, J. fed. Malay St. Mus. 14: 184 (♂). Type-locs: Nakhon Si Thammarat, Khao Ram (1200-1300 ft), Thailand; and Selangor, Kuala Lumpur, Gombak Valley, Malaya.

*ferruginosa* Brunetti. — India [Assam, Sikkim, Uttar Pradesh, W Bengal], Laos.

1913, Rec. Indian Mus. 9: 268 (♀). Type-loc: Darjeeling District, India.

*fissipennis* Speiser. — Formosa; Japan.

1911, Jb. nassau Ver. Naturk. 64: 241 (♂). Type-loc: Chip-Chip, Formosa.

*fissiformis*, error.

*flavifacies* (Bigot). — Borneo.

1875, Anns Soc. ent. Fr. (5) 5: 471 (♂; *Sphixea*). Type-loc: Sarawak, Borneo.

*fulvipes* (Bigot). — Java.

1883, Anns Soc. ent. Fr. (6) 3: 340 (♂ ♀; *Sphixea*). Type-loc: Java.

*fuscicosta* (Bigot). — Borneo.

1875, Anns Soc. ent. Fr. (5) 5: 469 (♂ ♀; *Sphixea*). Type-loc: Sarawak, Borneo.

*insistens* Curran. — Borneo.

1931, J. fed. Malay St. Mus. 16: 345 (♂ ♀). Type-loc: Mt Kinabalu, Lumu Lumu (5500 ft), N Borneo.

*limbipennis* Macquart. — Java.

1848, Dipt. exot. Suppl. 3: 42 (202) (♀). Type-loc: Java.

*macularis* Wiedemann. — Borneo, Java, Malaya, Sumatra.

1824, Analecta Ent.: 34 (♂). Type-loc: Java.

*metallica* Curran. — Borneo.

1931, J. fed. Malay St. Mus. 16: 347 (♂). Type-loc: Bettotan, nr Sandakan, N Borneo.

*meyeri* Jaenicke. — Java.

1867, Abh. senckenb. naturf. Ges. 6: 403 (♂). Type-loc: Java.

*pendleburyi* Curran. — Malaya.

1928, J. fed. Malay St. Mus. 14: 179 (♂). Type-loc: Jor Camp (1500 ft), Batang Padang, Perak, Malaya.

*reinwardtii* Wiedemann. — Borneo, Java, Malaya, Philippines [Luzon].

1824, Analecta Ent.: 33 (♂). Type-loc: Java.

*ritsemac* Osten Sacken. — Philippines [Luzon].

1882, Berl. ent. Z. 26: 191 (♀). Type-loc: Philippines.

*semifulva* de Meijere. — Burma, India [Assam, W Bengal], Java, Malaya, Sumatra.

1904, Bijdr. Dierk. 17: 99 (♂). Type-loc: Darjeeling, India.

*gigas* Guérin-Méneville, 1834, in Bélanger, Voyage Ind. Orient: 508 (♂; preocc. Rossi 1790). Type-loc: "côte du Coromandel" (India).

*gigas* Macquart, 1834, Hist. nat. Ins. Dipt. 1: 533 (♂). Type-loc: Java.

*semperi* Osten Sacken. — Philippines [Luzon, Negros, Mindanao].

1882, Berl. Ent. Z. 26: 189 (♂ ♀). Type-loc: Philippines.

*sexmaculata* Brunetti. — India [Madras].

1915, Rec. Indian Mus. 11: 248 (♂). Type-loc: Trivandrum, Travancore State, India.

- simillima* Hull. — Java, Sumbawa.  
1950, Ann. Mag. nat. Hist. (12) 3: 606 (♂ ♀). Type-loc: Sockaboemi, Java.
- sinensis* Curran. — China [Fukien].  
1925, Am. Mus. Novit. 200: 3 (♂ ♀). Type-loc: Yen-ping, China.
- tenuiformis* Curran. — Anambas Islands, Borneo, Malaya.  
1928, J. fed. Malay St. Mus. 14: 176 (♂ ♀). Type-locs: Kuala Lumpur, Selangor and Kuala Tahan (300 ft), Pahang, Malaya.
- variegata* Brunetti. — India [Assam, Sikkim], Laos.  
1908, Rec. Indian Mus. 2: 80 (♂). Type-loc: Sikkim, India.
- verticalis* Brunetti. — India [Assam].  
1923, Fauna Br. India, Dipt. 3: 269 (♂ ♀). Type-loc: Tura, Garo Hills, Assam, India.
- vesparia* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 118 (♂ ♀). Type-locs: Shinchiku, Horisha, Rono, Karenko, Fuhosho, and Kosempo, Formosa.
- vespoides* Walker. — Malaya.  
1857, J. Linn. Soc. Lond. 1: 18 (♂). Type-loc: Singapore, Malaya.
- zamiel* Walker. — Borneo.  
1857, J. Linn. Soc. Lond. 1: 123 (♀). Type-loc: Sarawak, Borneo.

### Genus NEPENTHOSYRPHUS de Meijere

- Nepenthosyrphus* de Meijere, 1932, Tijdschr. Ent. 75 (Suppl.): 155. Type-species, *tobaicus* de Meijere, by original designation.
- capitatus* (Sack). — Sumatra.  
1931, Arch. Hydrobiol. (Suppl.-Bd.) 8: 590 (♂ ♀; *Syritta*). Type-locs: "Heide von Huta Gindjang and Balige, Tobagebiet"; Sibolga, Sumatra.
- oudemansi* de Meijere. — Borneo.  
1932, Tijdschr. Ent. 75 (Suppl.): 157 (♂ ♀). Type-loc: Pontianak, W Borneo.
- tobaicus* de Meijere. — Sumatra.  
1932, Tijdschr. Ent. 75 (Suppl.): 159 (♂ ♀). Type-locs: Tinggi Radja and Haranggaol, Toba Sea, W Sumatra.

### Genus SPILOMYIA Meigen

- Spilomyia* Meigen, 1803, Magazin InsektKde 2: 273. Type-species, *Musca diophthalthma* Linnaeus (as *Syrphus diophthalmus* Fabricius), by designation of Coquillett (1910: 607).
- chinensis* Hull. — China [Yunnan].  
1950, Ann. Mag. nat. Hist. (12) 3: 603 (♀). Type-loc: Mekong River, Yei-chih, Yunnan, SW China.

### Genus SYRITTA Lepeletier and Serville

- Xylota*, subg. *Syritta* Lepeletier and Serville, in Latreille, et al., 1828, Encycl. méth. (Ins.) 10(2): 808. Type-species, *Musca pipiens* Linnaeus (as *Xylota pipiens* Meigen), by monotypy.  
Reference: Hodson 1931 (biol., imm. stages).

- hackeri* Klocker. — Java; Australia.  
1924, Mem. Qd Mus. 8: 59 (♂). Type-loc: Brisbane, Queensland, Australia.
- indica* (Wiedemann). — Formosa, India [Madras, W Bengal], Nepal.  
1824, Analecta Ent.: 33 (♂ ♀; *Eumerus*). Type-loc: East Indies.  
*rufifacies* Bigot, 1883, Anns Soc. ent. Fr. (6) 3: 538 (♂). Type-loc: Pondicherry, India. N. synonym.  
*femorata* Sack, 1913, Ent. Mitt. 2: 8 (♂). Type-loc: Tainan, Formosa. N. synonym.
- maritima* Hull. — Christmas Island.  
1944, Ann. Mag. nat. Hist. (11) 11: 60 (♀). Type-loc: Christmas Island, Indian Ocean (Indonesia).
- orientalis* Macquart. — Ceylon, India [Madras], ?Java, ?Celebes; ?Amboina.  
1842, Dipt. exot. 2(2): 76 (136) (♂). Type-loc: Pondicherry, Madras, India.  
*?lutescens* Doleschall, 1856, Natuurk. Tijdschr. Ned.-Indië 10: 410 (sex?; *Semogaster*). Type-loc: Djokjokarta, Java.  
*?amboinensis* Doleschall, 1858, Natuurk. Tijdschr. Ned.-Indië 17: 97 (sex?). Type-loc: Amboina, Moluccas.  
*?illucida* Walker, 1860, J. Linn. Soc. Lond. 4: 121 (♀). Type-loc: Makasar, Celebes.
- pipiens* (Linnaeus). — Nepal; Holarctic.  
1758, Syst. Nat. Ed. 10: 594 (sex?; *Musca*). Type-loc: Europe.
- triangulifera* Keiser. — Ceylon.  
1958, Revue suisse Zool. 65: 226 (♂ ♀). Type-loc: Belihul Oya, Ceylon.

### Genus TAKAOMYIA Hervé-Bazin

- Takaomyia* Hervé-Bazin, 1915, Anns Soc. ent. Fr. 83: 412. Type-species, *johannis* Hervé-Bazin, by monotypy.
- formosana* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 125 (♂ ♀). Type-loc: Horisha, Musha, Formosa.
- johannis* Hervé-Bazin. — Formosa, Thailand; Japan.  
1915, Anns Soc. ent. Fr. 83: 413 (♂). Type-loc: "Mont Takao, près Hachioji," Japan.

### Genus TEMNOSTOMA Lepeletier and Serville

- Tritonia* Meigen, 1800, Nouv. Class. Mouches: 33 (preocc. Cuvier 1798). Type-species, *Musca vespiformis* Linnaeus, by designation of Coquillett (1910: 617). Suppressed by I.C.Z.N., 1963, Opinion 678: 339.
- Temnostoma* Lepeletier and Serville, in Latreille, et al., 1828, Encycl. méth. (Ins.) 10: 518. Type-species, *Milesia bombylanis* Fabricius, by designation of Coquillett (1910: 612).
- nigrimanus* Brunetti. — India [Uttar Pradesh].  
1915, Rec. Indian Mus. 11: 246 (♂). Type-loc: Garhwal District, India.

*taiwanum* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 104 (♀). Type-loc: Asahi, Formosa.

### Genus XYLOTA Meigen

- Zelima* Meigen, 1800, Nouv. Class. Mouches: 34. Type-species, *Musca segnis* Linnaeus, by designation of Coquillett (1910: 621). Suppressed by I.C.Z.N., 1963, Opinion 678: 339.
- Heliophilus* Meigen, 1803, Magazin InsektKde 2: 273. Type-species, *Musca sylvarum* Linnaeus (as *Syrphus sylvarum* Fabricius), by monotypy.
- Eumeros* Meigen, 1803, Magazin InsektKde 2: 273. Type-species, *Musca segnis* Linnaeus, by designation of Coquillett (1910: 541).
- Xylota* Meigen, 1822, Syst. Besch. europ. zweifl. Insekt. 3: 211 (unjustified n. name for *Heliophilus* Meigen). Type-species, *Musca sylvarum* Linnaeus, automatic.
- aeneimaculata* de Meijere. — Formosa; New Guinea.  
1908, Tijdschr. Ent. 51: 227 (♂). Type-loc: Moroka, New Guinea.
- abosa* Séguy. — Laos.  
1948, Notes ent. chin. 12: 164 (♀). Type-loc: Nam-mat, Laos.
- acoetes* Séguy. — China.  
1948, Notes ent. chin. 12: 165 (♂). Type-locs: Che-mo, and Houa-chai, China.
- aethusa* Walker. — ?Java.  
1849, List. Dipt. Colln Br. Mus. 3: 559 (♀). Type-loc: East Indies.
- annulata* Brunetti. — India [W Bengal], Laos, Malaya.  
1913, Rec. Indian Mus. 9: 270 (♂ ♀). Type-locs: Singla, and Darjeeling, India.
- var. *ornatipes* (Sack). — Formosa.  
1927, Stettin. Ent. Ztg 88: 317 (♂; *Zelima*). Type-loc: Toa Tsui Kutsu, Formosa.
- annulipes* de Meijere. — Sumatra.  
1924, Tijdschr. Ent. 67 (Suppl.): 19 (♀). Type-loc: Tandj. Andalas, Sumatra.
- armipes* (Sack). — Formosa.  
1922, Arch. Naturgesch. (A) 87(11): 269 (♂; *Zelima*). Type-locs: Sokutsu, and Fuhosho, Formosa.
- assamensis* Brunetti. — India [Assam].  
1908, Rec. Indian Mus. 2: 79 (♀). Type-loc: Kohima, Assam, India.
- auronitens* Brunetti. — India [Assam].  
1908, Rec. Indian Mus. 2: 78 (♂). Type-loc: Margherita, Assam, India.
- bimaculata* (Shiraki). — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 85 (♂; *Zelima*). Type-loc: Taikan, Formosa.
- bistriata* Brunetti. — India [Mysore], Thailand, Viet Nam.  
1915, Rec. Indian Mus. 11: 235 (♂ ♀). Type-loc: Parambikulam, India.
- brachypalpoides* (Shiraki). — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 70 (♂; *Zelima*). Type-loc: Sinsuiei, Formosa.

- brunettii* Curran. — Malaya.  
1928, J. fed. Malay St. Mus. 14: 277 (♀). Type-loc: Lubok Tamang (3500 ft), Pahang, Malaya.
- calopus* Bigot. — Java.  
1883, Anns Soc. ent. Fr. (6) 3: 543 (♂). Type-loc: Java.
- carbonaria* Brunetti. — India [Madras].  
1923, Fauna Br. India, Dipt. 3: 240 (♂). Type-loc: Shevaroy, Yercaud, India.
- conformis* Walker. — Malaya, Philippines [Luzon, Mindanao].  
1857, J. Linn. Soc. Lond. 1: 18 (♀). Type-loc: Singapore.
- coquilletti* Hervé-Bazin. — Formosa; Japan.  
1915, Anns Soc. ent. Fr. 83: 409 (n. name for *cuprina* Coquillett).  
*cuprina* Coquillett, 1898, Proc. U.S. natn. Mus. 21: 327 (♂; preocc. Bigot 1885). Type-loc: Japan.
- cupreiventris* Brunetti. — India [W Bengal], Laos.  
1923, Fauna Br. India, Dipt. 3: 233 (♀). Type-loc: Surcil, Darjeeling District, India.
- cuprina* Bigot. — India.  
1885, Anns Soc. ent. Fr. (6) 5: 247 (♂). Type-loc: "Indes."
- decora* de Meijere. — Java.  
1914, Tijdschr. Ent. 57: 142 (♀). Type-loc: Gungung Gede, Java.
- doris* Curran. — Malaya.  
1928, J. fed. Malay St. Mus. 14: 281 (♀). Type-loc: Gunung Berumban, (4000-4500 ft), Cameron Highlands, Pahang, Malaya.
- flavipes* (Sack). — Formosa.  
1927, Stettin. Ent. Ztg 88: 316 (♀; *Zelima*). Type-loc: Toa Tsui Kutsu, Formosa.
- fo* Hull. — China [Yunnan].  
1944, Proc. ent. Soc. Wash. 46(2): 45 (♂). Type-loc: San-Nen-Kai, Yunnan, SE China.
- formosana* Matsumura. — Formosa.  
1916, Thousand Insects Japan 2: 251 (♂). Type-loc: Horisha, Formosa.
- makiana* (Shiraki). — Formosa, Nepal.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 65 (♂ ♀; *Zelima*). Type-locs: Arisan, Kosempo, Toyenmongai, and Fuhosho, Formosa.
- morna* Curran. — Borneo.  
1931, J. fed. Malay St. Mus. 16: 367 (♂). Type-loc: Bettotan, nr Sandakan, N Borneo.
- nigroaenescens* Rondani. — Borneo, Java, Malaya, Sumatra.  
1875, Annali Mus. civ. Stor. nat. Giacomo Doria 7: 422 (♂). Type-loc: Sarawak, Borneo.
- strigata* de Meijere, 1914, Tijdschr. Ent. 57: 142 (♀). Type-loc: Nongkodjadar, Gunung Gede, Java.
- striga*, error.
- petulans* Curran, 1928, J. fed. Malay St. Mus. 14: 282 (♂ ♀). Type-locs: Ginting Sempak, Selangor-Pahang border; Jor Camp (1800 ft), Batang Padang, Perak; No. 4 camp (4800 ft), Cameron Highlands and Sungai Ringlet (3500 ft), Pahang, Malaya.
- nursei* Brunetti. — India [Himachal Pradesh].  
1923, Fauna Br. India, Dipt. 3: 240 (♂). Type-loc: Simla, India.

- ornata* (Brunetti). — India [Uttar Pradesh].  
1915, Rec. Indian Mus. 11: 232 (♂; *Merodon*). Type-loc: Bhowali, Kumaon District, India.
- pendleburyi* Curran. — Borneo, Malaya.  
1928, J. fed. Malay St. Mus. 14: 279 (♂). Type-loc: Kuala Tahan (300 ft), Pahang, Malaya.
- penicillata* Brunetti. — India [Assam].  
1923, Fauna Br. India, Dipt. 3: 242 (♂). Type-loc: Lower Ranges, Khasi Hills Assam, India.
- spinipes* Curran. — Malaya, Thailand.  
1928, J. fed. Malay St. Mus. 14: 283 (♂). Type-loc: Khao Luang (3000 ft), Nakhon Si Thammarat, Thailand.
- steyskali* Thompson (for *spinipes* Shiraki). — Formosa. N. name.  
*spinipes* Shiraki, 1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 72 (♂ ♀; *Zelima*: preocc. Curran 1928). Type-locs: Shinchiku, Karenko, Koshun, and Taiheizan, Formosa.
- stylata* Hull. — Java.  
1944, Proc. ent. Soc. Wash. 46: 46 (♂). Type-loc: Soekaboemi, Java.

## Subfamily MICRODONTINAE

### Genus INDASCIA Keiser

- Indascia* Keiser, 1958, Revue suisse Zool. 65: 221. Type-species, *Ascia brachystoma* Wiedemann, by original designation.
- brachystoma* (Wiedemann). — ?India.  
1824, Analecta Ent.: 33 (♀; *Ascia*). Type-loc: "India orientalis."
- gracilis* Keiser. — Ceylon.  
1958, Revue suisse Zool. 65: 223 (♂). Type-loc: Bot. Gardens, Peradeniya, Ceylon.

### Genus MICRODON Meigen

- Microdon* Meigen, 1803, Magazin InsektKde 2: 275. Type-species, *Musca mutabilis* Linnaeus (as *Mulio mutabilis* Fabricius), by monotypy.  
*References*: de Meijere 1908; Curran 1942, 1947 (keys).

#### Subgenus MICRODON Meigen

- aenoviridis* Curran. — Borneo, Malaya.  
1931, J. fed. Malay St. Mus. 16: 302 (♂). Type-loc: Kedah Peak (1000–2000 ft), Malaya.
- aenus* Keiser. — Sumbawa.  
1952, Verh. naturf. Ges. Basel 63: 172 (♂). Type-loc: Pogobina, W Sumbawa.
- albofascia* Hull. — Burma.  
1944, Ann. Mag. nat. Hist. (11) 11: 253 (♀). Type-loc: Adung Valley, Burma.

- alboscutatus* Curran. — Borneo, Malaya, Thailand.  
1931, J. fed. Malay St. Mus. 16: 303 (♂ ♀). Type-loc: Langkawi Island, W Coast, Malaya.
- annandalei* Brunetti. — India [Assam, Himachal Pradesh], E & W Pakistan, Nepal.  
1907, Rec. Indian Mus. 1: pl xiii, fig. 10; 1908, Rec. Indian Mus. 2: 91 (♂). Type-loc: Soondrijal, Nepal.
- apidiformis* Brunetti. — India [Assam].  
1925, Rec. Indian Mus. 27: 78 (n. name for *apiformis* Brunetti).
- apiformis* Brunetti, 1923, Fauna Br. India, Dipt. 3: 314 (♂; preocc. De Geer 1776). Type-loc: Tura, Garo Hills, Assam, India.
- auricinctus* Brunetti. — Ceylon, Formosa, India [W Bengal], Philippines [Luzon].  
1908, Rec. Indian Mus. 2: 93 (♀). Type-loc: Kandy, Ceylon.
- aurilinea* Hull. — Java.  
1944, Ann. Mag. nat. Hist. (11)11: 258 (♂ ♀). Type-loc: Soekaboemi, Java.
- aurivesta* Hull. — Java.  
1950, Ann. Mag. nat. Hist. (12) 3: 611 (♂). Type-loc: Soekaboemi, Java.
- auroscutatus* Curran. — Malaya, Thailand.  
1928, J. fed. Malay St. Mus. 14: 152 (♂ ♀). Type-locs: Kuala Tahan (300 ft) and Kuala Tekv (500 ft), Pahang, Malaya; and Khao Ram (300–750 ft), Nakhon Si Thammarat, Thailand.
- var. *variventris* Curran. — Malaya.  
1928, J. fed. Malay St. Mus. 14: 154 (♀). Type-loc: Kuala Tahan (300 ft), Pahang, Malaya.
- baramus* Curran. — Borneo.  
1942, Am. Mus. Novit. 1216: 3 (♀). Type-loc: Baram, Sarawak, Borneo.
- beatus* Curran. — Borneo.  
1942, Am. Mus. Novit. 1216: 4 (♂). Type-loc: Matang Road, Sarawak, Borneo.
- bellus* Brunetti. — India [Uttar Pradesh], Nepal.  
1923, Fauna Br. India, Dipt. 3: 315 (♀). Type-loc: Mussoorie, India.
- bicolor* Sack. — Formosa.  
1922, Arch. Naturgesch. (A) 87(11): 272 (♀). Type-loc: Anping, Formosa.
- bicoloratus* Hull. — Sumbawa.  
1944, Ann. Mag. nat. Hist. (11) 11: 254 (♂). Type-loc: Sumbawa, Dutch East Indies (Indonesia).
- caeruleus* Brunetti. — Formosa, India [Assam].  
1908, Rec. Indian Mus. 2: 92 (♀). Type-loc: Margherita, Assam, India.
- var. *simplex* Shiraki. — Formosa; Japan.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 15 (♂ ♀). Type-locs: Japan-Yamaguchi; and Formosa (Asahi V).
- carbonarius* Brunetti. — India [Assam].  
1923, Fauna Br. India, Dipt. 3: 314 (♂ ♀). Type-loc: Tura, Garo Hills, Assam, India.
- chapini* Hull. — Thailand.  
1941, J. Wash. Acad. Sci. 31: 438 (♂). Type-loc: Patmeung Mts, Siam (Thailand).



- clavicornis* Sack. — Philippines [Luzon, Mindanao].  
1926, Philipp. J. Sci. 29: 592 (♀). Type-loc: Paete, Laguna, Luzon, Philippines.
- contractus* Brunetti. — India [Maharashtra].  
1923, Fauna Br. India, Dipt. 3: 310 (♀). Type-loc: Deesa, Bombay Presidency, India.
- conveniens* Brunetti. — India [Assam].  
1923, Fauna Br. India, Dipt. 3: 311 (♀). Type-loc: Assam, India.
- dimidiatus* Curran. — Borneo.  
1942, Am. Mus. Novit. 1216: 3 (♂). Type-loc: Lundu, Sarawak, Borneo.
- elisabeth* Keiser. — Ceylon.  
1958, Revue suisse Zool. 65 (1): 211 (♂). Type-loc: Kandy, Lady Horton's, Ceylon.
- flavipes* Brunetti. — Burma.  
1908, Rec. Indian Mus. 2: 92 (♂ ♀). Type-loc: Mergui, Lower Burma.
- formosanus* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 22 (♂ ♀). Type-locs: Horisha, and Musha, Formosa.
- fulvipes* de Meijere. — Sumatra, Malaya.  
1908, Tijdschr. Ent. 51: 203 (♀). Type-loc: Tandjong, Sumatra.
- fulvopubescens* Brunetti. — Ceylon.  
1923, Fauna Br. India, Dipt. 3: 313 (♀). Type-loc: Ceylon.
- fumipennis* Hull. — Java.  
1944, Ann. Mag. nat. Hist. (11) 11: 259 (♂). Type-loc: Sockaboemi, Java.
- fuscicornis* Sasakawa. — Thailand.  
1960, Nature Life S.E. Asia 1: 451 (♂). Type-loc: Doi Inthanon, Thailand.
- fuscus* de Meijere. — Sumatra.  
1908, Tijdschr. Ent. 51: 204 (♀). Type-loc: Median, Sumatra.
- gloriosus* Hull. — Thailand.  
1941, J. Wash. Acad. Sci. 31: 439 (♂). Type-loc: Patmeung Mts, Siam (Thailand).
- grandis* Curran. — Malaya.  
1928, J. fed. Malay St. Mus. 14: 159 (♂). Type-loc: Jor Camp, Perak, F.M.S.
- indicus* (Doleschall). — Bali: Moluccas (Amboina).  
1857, Natuurk. Tijdschr. Ned.-Indië 14: 404 (sex?; *Ceratophya*). Type-loc: Amboina, Moluccas. Reference: de Meijere 1908: 211 (redescr.).
- investigator* Hull. — Philippines [Mindanao].  
1937, Psyche, Camb. 44: 20 (♂). Type-loc: Galog River, Mt Apo, Davao, Mindanao, Philippines.
- klossi* Curran. — Borneo.  
1931, J. fed. Malay St. Mus. 16: 343 (♂). Type-loc: Bettotan, nr Sandakan, N Borneo.
- lanka* Keiser. — Ceylon.  
1958, Revue suisse Zool. 65: 213 (♀). Type-loc: Carney, Ratnapura, Ceylon.
- laticutellaris* Curran. — Borneo.  
1931, J. fed. Malay St. Mus. 16: 341 (♀). Type-loc: Bettotan, nr Sandakan, N Borneo.

- lativentris* de Meijere. — Sumatra.  
1921, Tijdschr. Ent. 64: lii; also 1924, Tijdschr. Ent. 67 (Suppl.): 19 (♂). Type-loc: Aur Kumandis, Sumatra.
- laxiceps* Curran. — Borneo.  
1942, Am. Mus. Novit. 1216: 2 (♀). Type-loc: Trusan, Sarawak, Borneo.
- lundura* Curran. — Borneo.  
1942, Am. Mus. Novit. 1216: 3 (♂). Type-loc: Lundu, Sarawak, Borneo.
- luxor* Curran. — Malaya.  
1931, J. fed. Malay St. Mus. 16: 306 (♂). Type-loc: Bukit Kutu (3500 ft), Selangor, Malaya.
- metallicus* de Meijere. — India [W Bengal].  
1904, Bijdr. Dierk. 18: 98 (♂). Type-loc: Darjeeling, India.
- minuticornis* Curran. — Borneo.  
1931, J. fed. Malay St. Mus. 16: 342 (♂ ♀). Type-loc: Bettotan, nr Sandakan, N Borneo.
- montis* Keiser. — Ceylon.  
1958, Revue suisse Zool. 65: 214 (♂). Type-loc: Pidrutalagala, Ceylon.
- pagdeni* Curran. — Malaya.  
1942, Am. Mus. Novit. 1216: 6 (♀). Type-loc: Kedah Peak, Kedah (3284 ft), Malaya.
- pendelburyi* Curran. — Malaya.  
1931, J. fed. Malay St. Mus. 16: 305 (♀). Type-loc: Kedah Peak (3000–3500 ft), Malaya.
- pretiosus* Curran. — Malaya.  
1931, J. fed. Malay St. Mus. 16: 304 (♂). Type-loc: Langkawi Island, W coast Malay Peninsula, Malaya.
- robinsoni* Curran. — Malaya, Thailand.  
1928, J. fed. Malay St. Mus. 14: 154 (♀). Type-loc: Nakhon Si Thammarat, Khao Luang (2000 ft), Thailand.
- ruficaudus* Brunetti. — Formosa, India [W Bengal].  
1907, Rec. Indian Mus. 1: pl. xiii. fig. 11; 1908, Rec. Indian Mus. 2: 93 (♀). Type-loc: Calcutta, India.
- rutiliventris* Vockeroth (for *rufiventris* Curran). — Borneo. N. name.  
*rufiventris* Curran, 1942, Am. Mus. Novit. 1216: 4 (♀; preocc. Rondani 1848). Type-loc: Kuching, Sarawak, Borneo.
- rutilus* Keiser. — Sumbawa.  
1952, Verh. naturf. Ges. Basel 63: 173 (♂). Type-loc: Pogobina, W Sumbawa.
- sacki* van der Goot. — Philippines [Mindanao].  
1964, Beaufortia 10: 220 (n. name for *flavipennis* Sack).  
*flavipennis* Sack, 1926, Philipp. J. Sci. 29: 593 (♂; preocc. Curran 1925). Type-loc: Surigao, Mindanao, Philippines.
- var. *nigrita* Hull. — Philippines [Mindanao].  
1944, Ann. Mag. nat. Hist. (11) 11: 257 (♂; *flavipennis* var.). Type-loc: Mindanao, Philippines.
- simplicicornis* de Meijere. — Java.  
1908, Tijdschr. Ent. 51: 205 (♂). Type-loc: Buitenzorg (Bogor), Java.
- squamipennis* Brunetti. — India [Assam].  
1923, Fauna Br. India, Dipt. 3: 316 (♀). Type-loc: Tura, Garo Hills, Assam, India.

- stenogaster* Curran. — Borneo.  
1931, J. fed. Malay St. Mus. 16: 344 (♂ ♀). Type-loc: Bettotan, nr Sandakan, N Borneo.
- stilboides* Walker. — Formosa, India [W Bengal], Java, Philippines [Mindanao].  
1849, List Dipt. Colln Br. Mus. 3: 538 (♀). Type-loc: East Indies.
- sulcatus* Hull. — Java.  
1944, Ann. Mag. nat. Hist. (11) 11: 256 (♀). Type-loc: Soekaboemi, Java.
- sumatranus* van der Wulp. — Sumatra.  
1881, Midden-Sumatra Exped., Dipt. 4: 29 (♀). Type-loc: "Loeboek gedang," Sumatra.
- sumbanus* Keiser. — Sumbawa.  
1952, Verh. naturf. Ges. Basel 63: 174 (♀). Type-loc: Pogobina, West Sumbawa.
- taprobanicus* Keiser. — Ceylon.  
1958, Revue suisse Zool. 65: 212 (♂). Type-loc: Kandy, Hantana, Ceylon.
- tricinctus* de Meijere. — Java, Philippines [Mindanao].  
1908, Tijdschr. Ent. 51: 208 (♂ ♀). Type-loc: Batavia (Djakarta), Java.
- trigonospilus* Bezzi. — China [Kwangtung].  
1927, Bull. Lab. Zool. Portici. 20: 4 (♀). Type-loc: La Kow, Honan (Canton), China.
- trimacula* Curran. — Malaya.  
1928, J. fed. Malay St. 14: 156 (♂). Type-locs: Perak, Batang, Padang, Tapah-Pahang Rd (12th mi), and Jor Camp, Malaya.
- unicolor* Brunetti. — India [Orissa].  
1915, Rec. Indian Mus. 11: 255 (♂). Type-loc: Puri, Orissa, India.
- varicornis* Sack. — Philippines [Mindanao].  
1926, Philipp. J. Sci. 29: 594 (♀). Type-loc: Butuan, Agusan, Mindanao, Philippines.
- vespiformis* de Meijere. — Java, Malaya.  
1908, Tijdschr. Ent. 51: 210 (sex?). Type-loc: Java.
- wulpianus* Mik. — Sumatra.  
1899, Wien. ent. Ztg 18: 143 (n. name for *apicalis* van der Wulp).  
*apicalis* van der Wulp, 1881, Midden-Sumatra Exped., Dipt. 4: 29 (♀; preocc. Walker 1859). Type-loc: Koetoer, Sumatra.  
*wulpianus* Brunetti, 1908, Rec. Indian Mus. 2: 93 (unnecessary n. name for *apicalis* van der Wulp).

#### Subgenus ARCHIMICRODON Hull

- Microdon*, subg. *Archimicrodon* Hull, 1945, Proc. New Engl. zool. Club 23: 75.  
Type-species, *digitator* Hull, by original designation.
- digitator* Hull. — Java.  
1937, Psyche, Camb. 44: 19 (♂). Type-loc: Tjibodas, Mt Gede, Java.

#### Subgenus KRYPTOPYGA Hull

- Kryptopyga* Hull, 1944, J. Wash. Acad. Sci. 34: 129. Type-species, *pendulosa* Hull, by original designation.

- pendulosus* Hull. — Java.  
1944, J. Wash. Acad. Sci. 34: 130 (♂). Type-loc: Soekaboemi, Java.

#### Genus PARAMICRODON de Meijere

- Paramicrodon* de Meijere, 1913, Nova Guinea 9: 360. Type-species, *lorenzii* de Meijere, by monotypy.
- Syrphinella* Hervé-Bazin, 1926, Encycl. ent. (B) II, Dipt. 3: 73. Type-species, *miranda* Hervé-Bazin, by monotypy.
- Myxogasteroides* Shiraki, 1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 9. Type-species, *Myxogaster nigripennis* Sack, by original designation. N. synonym.
- cinctellus* (Sack). — Philippines [Mindanao].  
1926, Philipp. J. Sci. 29: 590 (♀; *Myxogaster*). Type-loc: Agusan, Butuan, Mindanao, Philippines.
- dicipiens* de Meijere. — Java.  
1917, Tijdschr. Ent. 60: 242 (♀). Type-loc: Salatiga, Java.
- mirandus* (Hervé-Bazin). — Indochina.  
1926, Encycl. ent. (B) II, Dipt. 3: 74 (♀; *Syrphinella*). Type-loc: Chuachan, Indochina.
- nigripennis* (Sack). — Formosa.  
1922, Arch. Naturgesch. (A) 87(11): 275 (♂; *Myxogaster*). Type-loc: Toa Tsai Kutsu, Formosa. N. comb.
- novus* Hull. — Philippines [Mindanao].  
1937, Psyche, Camb. 44: 22 (♀). Type-loc: Galog River (6500 ft), Mt Apo, Davao, Mindanao, Philippines.

#### *Microdon* (Genus PAROCYPTAMUS) Shiraki

- Parocyptamus* Shiraki, 1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 11. Type-species, *sonamii* Shiraki, by original designation.
- Stenomicrodon* Hull, 1937, Psyche, Camb. 44: 26. Type-species, *purpureus* Hull, by original designation.
- purpureus* (Hull). — Formosa.  
1937, Psyche, Camb. 44: 26 (♀; *Stenomicrodon*). Type-loc: Tainan, Formosa.
- sonamii* Shiraki. — Formosa.  
1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 12 (♂). Type-locs: Shinchiku, Sokutsu, and Chipon, Formosa.

#### Genus PARAMIXOGASTER Brunetti

- Paramixogaster* Brunetti, 1923, Fauna Br. India, Dipt. 3: 320. Type-species, *Mixogaster vespiformis* Brunetti, by original designation.
- icariiformis* Pendlebury. — Malaya.  
1927, Proc. ent. Soc. Lond. 1: 38 (♀). Type-loc: Bukit Kuta (3500 ft), Selangor, Malaya.
- vespiformis* (Brunetti). — India [Assam].  
1913, Rec. Indian Mus. 8: 169 (♂; *Mixogaster*). Type-loc: Dibrugarh, Assam, India.

wegneri Keiser. — Moluccas (Amboina).

1964, Mitt. schweiz. ent. Ges. 37: 84 (♂ ♀). Type-loc: Ambon Island, Indonesia.

### Genus PARAMIXOGASTEROIDES Shiraki

Paramixogasteroides Shiraki, 1930, Mem. Fac. Agric. Taihoku imp. Univ. 1: 8.

Type-species, *Myxogaster variegata* Sack, by monotypy.

*variegata* (Sack). — Formosa.

1922, Arch. Naturgesch. (A) 87(11): 274 (♀; *Myxogaster*). Type-loc: Toa Tsai Kutau, Formosa.

Unplaced genus and species of Syrphidae

### Genus PRIOMERUS Macquart *Palumbia* (Korimbua)

*Priomerus* Macquart, 1834, Hist. nat. Ins. Dipt. 1: 511. Type-species, *fasciatus*

Macquart, by monotypy.

*fasciatus* Macquart. — India.

1834, Hist. nat. Ins. Dipt. 1: 511 (♂). Type-loc: East India.

## Family CONOPIDAE

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The Conopidae are a relatively small family of parasitic flies well represented in the major zoogeographical regions. Most are parasitic on aculeate Hymenoptera and are usually found among flowers in dry areas where their hosts abound. The Stylogasterinae are parasitic on cockroaches and calyptrate Diptera. Many species appear to mimic wasps among which they occur, although some are parasitic on bees of quite different appearance.

General keys to the Conopidae of the Oriental region are given by Brunetti (1923), Chen (1939) and Kröber (1939-40), and other useful keys are included in Camras (1957a, *melaxanthus* group of *Conops*), Chvála (1953, *Sicus*), and Smith (1960, world *Pleurocerinella*; 1966a, Indo-Australian *Stylogaster*). The biology of Conopidae is reviewed by Smith (1966b, 1967).

## Subfamily CONOPINAE

### Genus ABRACHYGLOSSUM Kröber

*Abrachyglossum* Kröber, 1917, Arch. Naturgesch. (A) 83(7): 142. Type-species, *Conops capitatum* Loew, by original designation.

*wui* Ōuchi. — China [Chekiang].

1939, J. Shanghai Sci. Inst. (3) 4: 195 (♂). Type-loc: Tienmushan, Chekiang Province, China.

### Genus ARCHICONOPS Kröber

*Archiconops* Kröber, 1939, Ann. Mag. nat. Hist. (11) 4: 381. Type-species, *Conops insularis* Kröber, by present designation.

*erythrocephala* (Fabricius). — Burma, Celebes, Ceylon, China [Kiangsu], India [Madras, Maharashtra, Sikkim, W Bengal], Indochina; Africa.

1794, Ent. Syst. 4: 392 (sex?; *Conops*). Type-locs: India orientali; Africa.

*morosa* (de Meijere). — Java.

1924, Tijdschr. Ent. 76: 213 (♂ ♀; *Conops*). Type-loc: Kloet, ca 300 m, Java.

### Genus CONOPS Linnaeus

*Conops* Linnaeus, 1758, Syst. Nat. Ed. 10: 640. Type-species, *flavipes* Linnaeus, by designation of Curtis (1831: pl. 377).

### Subgenus ASICONOPS Chen

*Conops*, subg. *Asiconops* Chen, 1939, Notes Ent. chin. 6(10): 171. Type-species, *aureomaculatus* Kröber, by original designation.