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74. Family DROSOPHILIDAE

by

LÉONIDAS TSACAS

The Drosophilidae have a worldwide distribution, and are represented in the Afrotropical Region by about 260 species belonging in 18 genera. The largest genera are *Drosophila*, with over 100 species, and *Leucophenga*, with about 60 species, but there are a large number of species as yet undescribed. The Afrotropical fauna is for the most part endemic, only about seven per cent of the species having a distribution spreading outside the region.

Drosophilid flies are found mainly around spoiled fruit, on tree trunks, and on decaying plant matter, the adults and larvae feeding on the various micro-organisms that occur there. In the laboratory many species, mostly belonging to the genus *Drosophila*, have been raised on artificial media, and the ease with which this can be done has allowed them to be very extensively used in research on genetics, cytology and physiology.

Food habits are very diverse. Some species breed on flowers, and others, such as *Chymomyza*, are associated with fresh sap from tree wounds. Larvae of some *Leucophenga* species live in spittle-masses of Cercopidae nymphs, while those of some *Gitona* and *Cacoxenus* species are predaceous on mealy-bugs (Pseudococcidae). Larvae of some *Scaptomyza* species are leaf-miners, and those of the *Drosophila simulivora* group are aquatic and have the extraordinary habit of being predaceous on the larvae of Simuliidae and Chironomidae (Tsacas & Disney, 1974).

The taxonomic literature on Afrotropical Drosophilidae remains scattered, but Bächli (1972) has provided a revision of *Leucophenga*, and Burla (1954) has treated the fauna of the Ivory Coast. The ecology of Ivory Coast species has been studied by Lachaise (1974 and later papers) and Lachaise & Tsacas (1974).

The phylogeny of the genus *Drosophila* has been reviewed by Throckmorton (1962), and Wheeler (1959) and Wheeler & Hamilton (1972) have listed the species of this genus.

Subfamily STEGANINAE

Genus AMIOTA Loew

AMIOTA Loew, 1862h: 229. Type-species: *Amiota leucostoma* Loew, 1862, by designation of Coquillett (1910: 505).

PHORTICA Schiner, 1862c: 433. Type-species: *Drosophila variegata* Fallén, 1823, by original designation.

africana Malloch, 1925d: 361. Uganda.

fenestrata Duda, 1939: 14 (*Phortica*). South Africa & Uganda.

flavithorax Duda, 1939: 16 (*Phortica*). South Africa.

perpusilla Walker, 1849: 1121 (*Chlorops*). Sierra Leone; Uganda. **Comb. n.**

sexpunctata Séguy, 1938j: 352 (*Drosophila*). Kenya. **Comb. n.**

sobodo Burla, 1954: 36 (*Phortica*). Ivory Coast.

Genus CACOXENUS Loew

CACOXENUS Loew, 1858e: 217. Type-species: *Cacoxenus indagator* Loew, 1858, by monotypy.

PARAGITONA Kröber, 1912d: 235. Type-species: *Paragitona obscura* Kröber, 1912 [= *Cacoxenus indagator* Loew, 1858], by monotypy.

Subgenus GITONIDES Knab

GITONIDES Knab, 1914b: 165 (as genus). Type-species: *Gitonides perspicax* Knab, 1914, by monotypy.

apidoxenus Tsacas & Desmier, 1976: 501. Senegal; Cameroun.

frontalis Collart, 1935d: 3 (*Gitona*). Zaire.

perspicax Knab, 1914b: 166 (*Gitonides*). Hawaii; Botswana, Kenya, Mauritius, Mozambique, Nigeria. Réunion, Somalia, South Africa, Uganda, India, Formosa, Malaya, Philippines, New Guinea, Australia.

paolii Séguy, 1933b: 187 (*Gitona*). Somalia.

Genus ERIMA Kertész

ERIMA Kertész, 1899: 193. Type-species: *Erima fasciata* Kertész, 1899, by monotypy.

brincki Hackman, 1960: 387. South Africa.

capitata Collart, 1937c: 121 (*Amiota*). Zaire.

crassiseta Hackman, 1960: 386. South Africa.

Genus GITONA Meigen

GITONA Meigen, 1830: 129. Type-species: *Gitona distigma* Meigen, 1830, by monotypy.

darwendalei Duda, 1935a: 31. Rhodesia.

punctatus Curran, 1939d: 3 (*Zaprionus*). Rhodesia.

gossypii Séguy, 1933c: 35. Mozambique.

inornata Séguy, 1933c: 36. Mozambique; Kenya.

magnipalpis Duda, 1936: 348. Rhodesia.

pauliani Séguy, 1951h: 399. Madagascar; Ethiopia.

Genus LEUCOPHENGA Mik

LEUCOPHENGA Mik, 1886b: 317. Type-species: *Drosophila maculata* Dufour, 1839, by original designation.

OXYLEUCOPHENGA Hendel, 1913c: 386. Type-species: *Oxyleucophenga undulata* Hendel, 1913, by original designation.

DROSOMYIELLA Hendel, 1914g: 113. Type-species: *Drosophila abbreviata* de Meijere, 1911, by original designation.

PARALEUCOPHENGA Oldenberg, 1914: 18. Type-species: *Leucophenga quinque-maculata* Strobl, 1893, by monotypy. [Junior homonym, preocc. *Paraleucophenga* Hendel, 1914.]

NEOLEUCOPHENGA Oldenberg, 1915: 93 (replacement name for *Paraleucophenga* Oldenberg).

PTYELUSIMYIA Séguy, 1932c: 93. Type-species: *Ptyelusimyia decaryi* Séguy, 1932, by original designation. **Syn. n.**

DROSOPHILOPSIS Séguy, 1951f: 310. Type-species: *Drosophilopsis scaevolaevora* Séguy, 1951, by original designation. **Syn. n.**

- africana** Bächli, 1971: 61. Zaire; Central African Republic, Nigeria.
- ambigua** Kahl, 1917: 389. Cameroun.
- apicifera** Adams, 1905: 185 (*Drosophila*). Rhodesia; Cameroun, Kenya, Nigeria, Sierra Leone, South Africa, Zaire.
abrupta Duda, 1935a: 33. South Africa.
lewisi Duda, 1935a: 33. Rhodesia.
- atra** Bächli, 1971: 66. Zaire; Cameroun, Kenya, Uganda.
- basilaris** Adams, 1905: 184 (*Drosophila*). Rhodesia; Tanzania, Zaire.
- bella** Curran, 1928c: 347. Zaire.
- bivirgata** Bächli, 1971: 89. Zaire; Cameroun, Uganda.
- burlai** Bächli, 1971: 74. Zaire; Nigeria, Tanzania.
- buxtoni** Duda, 1935a: 32. Nigeria; Central African Republic, Ghana, Ivory Coast, Rhodesia, Tanzania, Uganda.
- caliginosa** Bächli, 1971: 103. Zaire; Cameroun, Nigeria.
- capillata** Bächli, 1971: 90. Zaire; Ghana, Kenya, Nigeria, Tanzania.
- cuneata** Bächli, 1971: 28. Kenya; South Africa, Uganda.
- curvipila** Duda, 1939: 52 (as var. of *guttiventris* de Meijere, 1908). Uganda; Aldabra, Cameroun, Congo, Ethiopia, Ivory Coast, Mozambique, Nigeria, Tanzania.
- cuthbertsoni** Malloch, 1929e: 252. Rhodesia; Central African Republic, Ghana, Madagascar, Nigeria, South Africa, Uganda, Zaire.
- decaryi** Séguéy, 1932b: 94 (*Ptyelusimyia*). Madagascar. **Comb. n.**
- denigrata** Bächli, 1971: 35. Zaire; Cameroun, Ethiopia, Nigeria, Tanzania, Uganda.
- dentata** Bächli, 1971: 110. Zaire; Cameroun, Central African Republic, Ivory Coast, Nigeria.
- dilatata** Bächli, 1971: 100. Zaire; Ethiopia, Nigeria.
- disjuncta** Bächli, 1971: 32. Uganda; Nigeria, Zaire.
- dudai** Bächli, 1971: 64. Zaire; Ivory Coast, Nigeria, Rhodesia, South Africa, Tanzania, Uganda.
- edwardsi** Bächli, 1971: 36. Uganda.
- flaviseta** Adams, 1905: 184 (*Drosophila*). Rhodesia; South Africa, Uganda, Zaire.
setulosa Duda, 1939: 39. South Africa & Uganda.
- flavopuncta** Malloch, 1925c: 83. South Africa; Uganda, Zaire.
- fuscorbitata** Bächli, 1971: 68. Zaire.
- goodi** Kahl, 1917: 388. Cameroun; Central African Republic, Ivory Coast, Nigeria.
yaure Burla, 1954: 34. Ivory Coast.
- grossipalpis** Lamb, 1914: 328 (*Drosophila*). Seychelles.
- guro** Burla, 1954: 35. Ivory Coast.
- imminuta** Bächli, 1971: 50. Zaire.
- incurvata** Bächli, 1971: 114. Zaire; Cameroun, Ivory Coast.
- kilembensis** Bächli, 1971: 31. Uganda; Nigeria, Zaire.
- latevittata** Duda, 1939: 48. Uganda; Cameroun, Ivory Coast, Zaire.
- magnornata** Bächli, 1971: 30. Uganda; Cameroun, South Africa, Zaire.
- mansura** Adams, 1905: 185 (*Drosophila*). Rhodesia; Ethiopia, Ivory Coast, South Africa, Uganda, Zaire.
zonata Curran, 1939d: 2. Rhodesia.
- munroi** Duda, 1939: 45. South Africa.
- mutabilis** Adams, 1905: 187 (*Drosophila*). Rhodesia; Central African Republic, Congo, Ethiopia, Ivory Coast, Namibia, Nigeria, Uganda, Zaire.
flavipalpis Duda, 1939: 50. Uganda.
- neopalpalis** Bächli, 1971: 85. Zaire; Cameroun, Central African Republic.
- neovittata** Bächli, 1971: 81. Zaire.
- nigrorbitata** Bächli, 1971: 67. Zaire.

- oedipus** Séguy, 1938j: 344. Kenya.
- palpalis** Adams, 1905: 185 (*Drosophila*). Rhodesia; Cameroun, Central African Republic, Ivory Coast, Nigeria, Uganda, Zaire.
- paracapillata** Bächli, 1971: 92. Zaire; Cameroun, Central African Republic, Ivory Coast, Liberia, Nigeria, Uganda.
- paracuthbertsoni** Bächli, 1971: 40. Ivory Coast; Ghana, Rhodesia, Tanzania, Uganda, Zaire.
- paraflaviseta** Bächli, 1971: 72. Zaire; Cameroun, Central African Republic, Ivory Coast, Kenya, Nigeria, Tanzania, Uganda.
- perargentata** Bächli, 1971: 107. Zaire; Cameroun, Central African Republic, Ivory Coast, Nigeria, Tanzania.
- pleurovirgata** Bächli, 1971: 55. Zaire.
- proxima** Adams, 1905: 186 (*Drosophila*). Rhodesia; Cameroun, Central African Republic, Congo, Ghana, Ivory Coast, Malawi, Nigeria, Uganda, Zaire.
chapini Curran, 1939d: 2. Zaire.
- repletoides** Bächli, 1971: 34. Zaire; Uganda.
- scaevolaevora** Séguy, 1951f: 310 (*Drosophilopsis*). Madagascar. **Comb. n.**
- sema** Burla, 1954: 32. Ivory Coast; Cameroun.
- semicapillata** Bächli, 1971: 93. Zaire.
- sericea** Lamb, 1914: 326 (*Drosophila*). Seychelles.
- serrata** Bächli, 1971: 113. Zaire; Ivory Coast.
- sierraleonica** Bächli, 1971: 124. Sierra Leone; Mozambique, Nigeria.
- striata** Bächli, 1971: 95. Zaire.
- subpollinosa** de Meijere, 1914: 263 (*Drosophila*). Java; Ethiopia (Eritrea), Nigeria, South Africa, widespread Oriental Reg. to Japan, Micronesia, Ryukyu Is.
flavicosta Duda, 1926d: 53 (as var.). Sumatra.
- subvirgata** Bächli, 1971: 56. Zaire.
- subvittata** Duda, 1939: 47. Uganda; Angola, Cameroun, Ivory Coast, Nigeria, Zaire.
- tenebrosa** Bächli, 1971: 104. Zaire.
- umbrosa** Bächli, 1971: 76. Uganda.

Genus PARALEUCOPHENGA Hendel

- PARALEUCOPHENGA** Hendel, 1914g: 114. Type-species: *Paraleucophenga trisetata* Hendel, 1914 [= *Helomyza invicta* Walker, 1850], by original designation.
- semiplumata** Duda, 1939: 38 (*Leucophenga*). Uganda; Cameroun, Nigeria, Zaire.

Genus STEGANA Meigen

- STEGANA** Meigen, 1830: 79. Type-species: *Stegana nigra* Meigen, 1830 [= *Drosophila curvipennis* Fallén, 1823], by designation of Zetterstedt (1847: 2577).
- PROTOSTEGANA** Hendel, 1920a: 53. Type-species: *Drosophila curvipennis* Fallén, 1823, by original designation.
- africana** Malloch, 1934a: 138. Rhodesia; Kenya.
- nigrifrons** de Meijere, 1911b: 418. Java; South Africa, Formosa, Japan, Sumatra.
- proximata** Séguy, 1938j: 343 (*Protostegana*). Kenya.

Subfamily DROSOPHILINAE

Genus CHYMOMYZA Czerny

- CHYMOMYZA** Czerny, 1903b: 199. Type-species: *Drosophila fuscimana* Zetterstedt, 1847, by designation of Sturtevant (1921: 61).

- avikam** Burla, 1954:44. Ivory Coast.
bambara Burla, 1954:41. Ivory Coast.
bicolor Lamb, 1914:348. Seychelles; Chagos Is.
lahu Burla, 1954:45. Ivory Coast; Cameroun.
mafu Burla, 1954:43. Ivory Coast.

Genus DETTOSOMYIA Lamb

- DETTOSOMYIA** Lamb, 1914:349. Type-species: *Dettopsomyia formosa* Lamb, 1914, by original designation.
PICTOSTYLOPTERA Duda, 1924a:192. Type-species: *Drosophila preciosa* de Meijere, 1911, by monotypy.
bombax Burla, 1954:79 (? *Mycodrosophila*). Ivory Coast; Uganda.
formosa Lamb, 1914:350. Seychelles; Philippines, Solomon Is, Caroline Is, Hawaii, Central Amer.
nigrovittata Malloch, 1924c:352 (*Drosophila*). Australia; Zaire, Japan, Hawaii, U.S.A.
argentifrons Okada, 1956:55. Japan.

Genus DROSOPHILA Fallén

- DROSOPHILA** Fallén, 1823e:4. Type-species: *Musca funebris* Fabricius, 1787, by designation of Zetterstedt (1847:2542).

Subgenus DICHAETOPHORA Duda

- DICHAETOPHORA** Duda, 1940a:19. Type-species: *Drosophila aberrans* Lamb, 1914 by monotypy.
DICHAETOPHILA. Incorrect subsequent spelling of *Dichaetophora*.
aberrans Lamb, 1914:334. Seychelles.
agbo Burla, 1954:104. Ivory Coast; Cameroun, Central African Republic.
imitans Graber, 1957:315. Zaire.
suruka Burla, 1954:107. Ivory Coast; Cameroun.

Subgenus DORSILOPHA Sturtevant

- DORSILOPHA** Sturtevant, 1942:28. Type-species: *Drosophila busckii* Coquillett, 1901, by original designation.
busckii Coquillett, 1901a:18. U.S.A.; Réunion, South Africa, almost cosmopolitan.
busckii. Incorrect original spelling of *busckii*.
rubrostriata Becker, 1908:155. Canary Is.
plurilineata Villeneuve, 1911:83. France.

Subgenus DROSOPHILA Fallén

- DROSOPHILA** Fallén, 1823e:4 (as genus). Type-species: *Musca funebris* Fabricius, 1787, by designation of Zetterstedt (1847:2542).
adamsi Wheeler, 1959:183 (replacement name for *quadrifaculata* Adams). Rhodesia; Cameroun, Central African Republic, Ethiopia, Kenya, Nigeria, South Africa, Uganda.
quadrifaculata Adams, 1905:182. Rhodesia. [Junior homonym, preocc. *quadrifaculata* Walker, 1856.]
baole Burla, 1954:187. Ivory Coast.

- cogani** Tsacas & Disney, 1974: 364. Cameroun; Liberia.
debilis Walker, 1849: 1109. Sierra Leone.
fraburu Burla, 1954: 183. Ivory Coast; Angola.
funebri Fabricius, 1787: 345 (*Musca*). Denmark; Guinea, Madagascar, South Africa, almost cosmopolitan.
aceti Kollar, 1851: 205. Austria.
gibbinsi Aubertin, 1937: 169. Uganda; South Africa.
hirtipes Lamb, 1914: 337. Seychelles.
immigrans Sturtevant, 1921: 83. U.S.A.; Réunion, St Helena, South Africa, almost cosmopolitan.
cilifemur Villeneuve, 1923a: 28. France.
flexipilosa Pipkin, 1964: 238. Panama.
iri Burla, 1954: 180. Ivory Coast; Cameroun, Congo, Fernando Póo, Zaire.
nasuta Lamb, 1914: 346. Seychelles; Benin, Congo, Kenya, Madagascar, Mauritius.
nutrita Duda, 1935a: 33. Rhodesia; Cameroun, Ivory Coast.
dumuya Burla, 1954: 185. Ivory Coast. **Syn. n.**
paucilineata Burla, 1957: 38. Kenya.
ponera Tsacas & David, 1975a: 140. Réunion.
pruinosa Duda, 1940a: 41. Uganda; Cameroun, Central African Republic, Congo, Gabon, Ivory Coast, Kenya.
punctatipennis Tsacas & David, 1975b: 375. Réunion.
punctatonervosa Frey, 1954: 32. Tristan da Cunha; St Helena, South Africa.
poeciloptera Duda, 1940a: 34. South Africa. [Junior homonym, preocc. *poeciloptera* Duda, 1925.]
repleta Wollaston, 1858: 117. Madeira; widespread Afr. (inc. N. Afr.), Madagascar, Mauritius, Rodriguez, St Helena, cosmopolitan.
punctulata Loew, 1862h: 232 [1864d: 102]. Cuba.
adpersa Mik, 1886c: 328. Austria & Ghana.
nigropunctata Wulp, 1891: 216. Java.
sexlineata Duda, 1940a: 36 (as var. of *quadrimaculata* Adams). South Africa.
simulivora Tsacas & Disney, 1974: 366. Cameroun.

Subgenus HIRTODROSOPHILA Duda

- HIRTODROSOPHILA** Duda, 1923b: 41, 42 (as genus) [1924a: 203 (as subgenus)]. Type-species: *Hirtodrosophila carinata* Duda, 1923 [junior homonym, preocc. *carinata* Grimshaw, 1901, = *Drosophila latifrontata* Frota-Pessoa, 1945], by designation of Frota-Pessoa (1945: 471). [No generic characterization in 1923 work but name available by indication under I.C.Z.N. Code Article 16(a) (v).]
DASYDROSOPHILA Duda, 1925b: 152 ([unnecessary] replacement name for *Hirtodrosophila*).
akabo Burla, 1954: 109. Ivory Coast; Central African Republic.
borbonica Tsacas & David, 1975b: 373. Réunion.
sanyi Burla, 1954: 113. Ivory Coast.
vina Burla, 1954: 112. Ivory Coast.

Subgenus SCAPTODROSOPHILA Duda

- SCAPTODROSOPHILA** Duda, 1923b: 37 [1924a: 180] (as genus). Type-species: *Scaptodrosophila scaptomyzoidea* Duda, 1923, by original designation and monotypy ('gen. n., sp. n.').

- PUGIODROSOPHILA* Duda, 1924a: 203. Type-species: *Drosophila pugionata* de Meijere, 1915, by monotypy.
- XIPHIDIOCHAETA* Duda, 1925b: 200 ([unnecessary] replacement name for *Pugiodrosophila*).
- PHOLADORIS* Sturtevant, 1942: 28. Type-species: *Drosophila victoria* Sturtevant, 1942, by original designation.
- ADROSOPHILA* Séguy, 1938j: 344 (as genus). Type-species: *Adrosophila minuta* Séguy, 1938 [junior homonym, preocc. *minuta* Walker, 1853, = *Drosophila smicra* Tsacas **nom. n.**], by original designation. **Syn. n.**
- adyukru** Burla, 1954: 138. Ivory Coast.
- afra** Frey, 1958: 42 (*Clasiopella*). Cape Verde Is. **Comb. n.**
- agamse** Burla, 1954: 129. Ivory Coast; Central African Republic.
- akaju** Burla, 1954: 155. Ivory Coast.
- anyi** Burla, 1954: 145. Ivory Coast; Cameroun.
- aterrima** Duda, 1940a: 48. Uganda; Ivory Coast, Malawi, Uganda.
- bangi** Burla, 1954: 143. Ivory Coast; Cameroun, Central African Republic, Congo.
- caliginosa** Lamb, 1914: 341. Seychelles.
- dibi** Burla, 1954: 126. Ivory Coast; Kenya.
- ebenea** Graber, 1957: 307. Zaire.
- eoundo** Tsacas & Chassagnard, 1976: 94. Cameroun; Ivory Coast.
- finitima** Lamb, 1914: 340. Seychelles; South Africa.
- framire** Burla, 1954: 128. Ivory Coast; Cameroun, Uganda.
- lambi** Duda, 1940a: 48 (replacement name for *pallipes* Lamb). Seychelles; Cameroun, Central African Republic, Ivory Coast, Uganda.
- pallipes* Lamb, 1914: 342. Seychelles. [Junior homonym, preocc. *pallipes* Dufour, 1846.]
- latifasciaeformis** Duda, 1940a: 22. Uganda; Cameroun, Central African Republic, Congo, Ethiopia, Gabon, Ivory Coast, Kenya, Niger, Rodriguez, Uganda, U.S.A., Mexico, West Indies, S. Amer.
- gracilipes* Duda, 1940a: 39 (as var. of *finitima*). Rodriguez.
- mirim* Dobzhansky & Pavan, 1943: 62. Brazil.
- baeomyia* Wheeler, 1949: 145. Mexico.
- mbettie** Burla, 1954: 149. Ivory Coast; Cameroun.
- medleri** Tsacas & Chassagnard, 1976: 95. Nigeria.
- mokonfim** Burla, 1954: 131. Ivory Coast; Cameroun, Central African Republic.
- morouu** Burla, 1954: 134. Ivory Coast.
- pseudoebenea** Graber, 1957: 308. Zaire.
- pugionata** de Meijere, 1915: 56. Sumatra (Simeulue); Ivory Coast.
- pugionota*. Incorrect subsequent spelling of *pugionata*.
- rufuloventer** Lamb, 1914: 344. Seychelles.
- saba** Burla, 1954: 141. Ivory Coast; Cameroun.
- senufo** Burla, 1954: 137. Ivory Coast.
- smicra** Tsacas **nom. n.** Madagascar.
- minuta* Séguy, 1938j: 345 (*Adrosophila*). Madagascar. [Junior homonym, preocc. *minuta* Walker, 1853.]
- triangulifer** Lamb, 1914: 343. Seychelles; Cameroun, Ivory Coast.
- uebe** Burla, 1954: 148. Ivory Coast.

Subgenus SOPHOPHORA Sturtevant

- SOPHOPHORA** Sturtevant, 1939: 139. Type-species: *Drosophila melanogaster* Meigen, 1830, by original designation.
- abron** Burla, 1954: 170. Ivory Coast; Central African Republic.

- abure** Burla, 1954:168. Ivory Coast.
- akai** Burla, 1954:73. Ivory Coast; Cameroun, Central African Republic, Uganda.
- alladian** Burla, 1954:175. Ivory Coast; Cameroun, Central African Republic.
- ananassae** Doleschall, 1858:128. Moluccas (Ambon); widespread Afrotrop. Reg. (incl. Madagascar, Mauritius, Réunion, Seychelles), circumtropical.
- imparata* Walker, 1895a:126. Aru Is.
- similis* Lamb, 1914:347. Seychelles. [Junior homonym, preocc. *similis* Williston, 1896.]
- caribea* Sturtevant, 1916:335. Cuba.
- errans* Malloch, 1933a:21 [1935:21] (replacement name for *similis* Lamb).
- bakoue** Tsacas & Lachaise, 1974:197. Ivory Coast; Cameroun, Central African Republic, Congo.
- biplectinata** Duda, 1923b:52. 'India or.'; Mauritius, Réunion, widespread Oriental Reg., Melanesia, Micronesia, Samoa.
- bocqueti** Tsacas & Lachaise, 1974:204. Ivory Coast; Cameroun, Central African Republic, Congo, Gabon.
- burlai** Tsacas & Lachaise, 1974:200. Ivory Coast; Cameroun, Central African Republic, Congo, Gabon, Malawi.
- dentissima** Bock & Wheeler, 1972:83. South Africa.
- diplocantha** Tsacas & David, 1978a:681. Cameroun; Congo, Guinea, Ivory Coast.
- dyula** Burla, 1954:178. Ivory Coast; Cameroun, Central African Republic, Congo, Nigeria.
- ercepeae** Tsacas & David, 1975a:134. Réunion.
- erecta** Tsacas & Lachaise, 1974:193. Ivory Coast; Cameroun, Congo.
- fima** Burla, 1954:165. Ivory Coast; Cameroun, Central African Republic, Congo, Nigeria.
- greeni** Bock & Wheeler, 1972:82. Rhodesia; Cameroun, Central African Republic, Gabon, Ivory Coast.
- iroko** Burla, 1954:171. Ivory Coast.
- kulango** Burla, 1954:172. Ivory Coast; Central African Republic.
- malerkotliana** Parshad & Paika, 1965:235. India; Benin, Cameroun, Central African Republic, Gabon, Ivory Coast, Mali, Nigeria, Senegal, Seychelles, Togo, Uganda, Zaire, widespread Oriental Reg., Brazil.
- matilei** Tsacas, 1975:148. Cameroun.
- mauritiana** Tsacas & David, 1974:42. Mauritius.
- melanogaster** Meigen, 1830:85. Austria; cosmopolitan.
- fasciata* Meigen, 1830:84. Germany.
- nigriventris* Macquart, 1843:416 (259). 'Cochinchine'.
- approximata* Zetterstedt, 1847:2557. Sweden.
- ampelophila* Loew, 1862h:231 [1864d:101]. Cuba.
- uvarum* Rondani, 1876:86. Italy.
- pilosula* Becker, 1908:156. Canary Is.
- emulata* Ray Chaudhuri & Mukherjee, 1941:216. India.
- microlabis** Séguy, 1938j:351. Kenya.
- nikananu** Burla, 1954:160. Ivory Coast; Cameroun, Central African Republic, Congo, Gabon, Nigeria.
- opisthomelaina** Nolte & Stoch, 1950:90. South Africa.
- orena** Tsacas & David, 1978b:179. Cameroun.
- seguyi** Smart, 1945:56 (replacement name for *subobscura* Séguy). Kenya; widespread E. & sthn Afr.
- subobscura* Séguy, 1938j:352. Kenya. [Junior homonym, preocc. *subobscura* Collin, 1936.]
- simulans** Sturtevant, 1919:153. U.S.A.; cosmopolitan (inc. St Helena).

- teissieri** Tsacas, 1971:35. Rhodesia; Cameroun, Central African Republic, Congo, Gabon, Ivory Coast, Niger, Zaire.
tsacasi Bock & Wheeler, 1972:79. Ivory Coast; Cameroun, Central African Republic, Congo.
vulgana Graber, 1957:309. Zaire; South Africa.
vumbae Bock & Wheeler, 1972:84. Rhodesia.
yakuba Burla, 1954:161. Ivory Coast; widespread Afr.

Subgenerically unplaced species of *Drosophila*

- como** Burla, 1954:205. Ivory Coast; Cameroun.
diama Burla, 1954:192. Ivory Coast; Cameroun.
dyaramankana Burla, 1954:196. Ivory Coast; Cameroun, Uganda.
facialis Adams, 1905:183. Rhodesia.
jucunda Lamb, 1914:339. Seychelles.
kuoni Burla, 1954:190. Ivory Coast.
latifrons Adams, 1905:182. Rhodesia.
lucida Séguy, 1938j:351. Kenya.
megaspis Bezzi, 1908c:191. Ethiopia (Eritrea).
momortica Graber, 1957:311. Zaire.
notabilis Lamb, 1914:329. Seychelles.
plagiata Bezzi, 1908b:197. South Africa.
remota Walker, 1849:1111. Tristan da Cunha.
sogo Burla, 1954:198. Ivory Coast; Central African Republic.
spinipes Lamb, 1914:336. Seychelles; Ivory Coast.
suma Burla, 1954:200. Ivory Coast; Zaire.
tibudu Burla, 1954:194. Ivory Coast; Cameroun.
trichiaspis Duda, 1940a:31. South Africa.
trichiaspis. Incorrect original spelling of *trichiaspis* (Duda, 1940a:25).

Genus JEANNELOPSIS Séguy

- JEANNELOPSIS** Séguy, 1938j:345. Type-species: *Jeannelopsis mirabilis* Séguy, 1938, by original designation.
mirabilis Séguy, 1938j:345. Kenya.

Genus LIODROSOPHILA Duda

- LIODROSOPHILA** Duda, 1922:153. Type-species: *Camilla coeruleifrons* de Meijere, 1911, by designation of Okada (1956:57).
divergens Okada, 1974:36. Madagascar.
madagascarensis Okada, 1974:37. Madagascar.
melania Séguy, 1938j:350 (*Scaptomyza*). Kenya. Comb. n.
sinuata Okada, 1974:35. Madagascar.

Genus LISSOCEPHALA Malloch

- LISSOCEPHALA** Malloch, 1929e:250. Type-species: *Lissocephala unipuncta* Malloch, 1929, by original designation.
ambigua Tsacas & Chassagnard, 1978:205. Ivory Coast; Nigeria.
disjuncta Tsacas & Chassagnard, 1978:205. Ivory Coast.
juncta Tsacas & Chassagnard, 1978:205. Ivory Coast.
sanu Burla, 1954:202. Ivory Coast; Cameroun, Central African Republic.

- unipuncta** Malloch, 1929e: 251. Rhodesia; South Africa.
punctipennis Duda, 1940a: 29 (as var. of *bicolor* de Meijere, 1911). South Africa.

Genus MICRODROSOPHILA Malloch

- MICRODROSOPHILA** Malloch, 1921f: 312. Type-species: *Drosophila quadrata* Sturtevant, 1916, by original designation.
INCISURIFRONS Duda, 1924a: 202 (as subgenus of *Drosophila*). Type-species: *Drosophila congesta* Zetterstedt, 1847, by monotypy.
OXYSTYLOPTERA Duda, 1924a: 192. Type-species: *Drosophila tectifrons* de Meijere, 1914, by designation of Burla (1954: 98).
HOPKINSOMYIA Malloch, 1934b: 289. Type-species: *Hopkinsomyia convergens* Malloch, 1934, by original designation.
korogo Burla, 1954: 97. Ivory Coast; Cameroun.
mabi Burla, 1954: 94. Ivory Coast; Cameroun.
mamaru Burla, 1954: 100 (*Oxystyloptera*). Ivory Coast; Cameroun.
sexsetosa Duda, 1939: 56 (*Oxystyloptera*). Uganda; Cameroun, Ivory Coast.

Genus MYCODROSOPHILA Oldenberg

- MYCODROSOPHILA** Oldenberg, 1914: 4. Type-species: *Amiota poecilogastra* Loew, 1874, by monotypy.
adyala Burla, 1954: 66. Ivory Coast.
atie Burla, 1954: 69. Ivory Coast.
ditan Burla, 1954: 63. Ivory Coast; Uganda.
fracticosta Lamb, 1914: 329 (*Drosophila*). Seychelles; Central African Republic, Ivory Coast, South Africa, Uganda.
gaku Burla, 1954: 65. Ivory Coast.
kabakolo Burla, 1954: 75. Ivory Coast; Cameroun.
longicornis Séguy, 1933c: 38. Mozambique.
nigerrima Lamb, 1914: 331 (*Drosophila*). Seychelles; Cameroun, Ivory Coast.
nigrobrunnea Lamb, 1914: 332 (*Drosophila*). Seychelles.
suluma Burla, 1954: 61. Ivory Coast.
sunguru Burla, 1954: 77. Ivory Coast.

Genus NEOTANYGASTRELLA Duda

- NEOTANYGASTRELLA** Duda, 1925b: 201, 203, 224. Type-species: *Neotanygastrella tricoloripes* Duda, 1925, by original designation and monotypy ('gen. n., sp. n.').
abbe Burla, 1954: 50. Ivory Coast.
africana Burla, 1954: 48. Ivory Coast.
makore Burla, 1954: 51. Ivory Coast.
miti Burla, 1954: 52. Ivory Coast.
naboika Burla, 1954: 53. Ivory Coast.

Genus SCAPTOMYZA Hardy

- SCAPTOMYZA** Hardy, 1849: 301. Type-species: *Drosophila graminum* Fallén, 1823, by designation of Coquillett (1910: 603).

Subgenus **EUSCAPTOMYZA** Séguy

- EUSCAPTOMYZA** Séguy, 1938j: 346 (as genus). Type-species: *Euscaptomyza chylizosoma* Séguy, 1938, by original designation.
chylizosoma Séguy, 1938j: 347 (*Euscaptomyza*). Kenya; Uganda.
deemingi Tsacas, 1972: 348. Nigeria.
kilembea Tsacas, 1972: 351. Uganda.

Subgenus **HEMISCAPTOMYZA** Hackman

- HEMISCAPTOMYZA** Hackman, 1959: 19. Type-species: *Geomyza unipunctum* Zetterstedt, 1847, by original designation.
longipennis Séguy, 1938j: 349. Kenya.

Subgenus **LAUXANOMYZA** Tsacas & Cogan

- LAUXANOMYZA** Tsacas & Cogan, [1977]: 90. Type-species: *Scaptomyza horaeoptera* Tsacas & Cogan, 1977, by original designation.
horaeoptera Tsacas & Cogan, [1977]: 91. St Helena.

Subgenus **MACROSCAPTOMYZA** Frey

- MACROSCAPTOMYZA** Frey, 1954: 27 (as subgenus of *Parascaptomyza*). Type-species: *Parascaptomyza altissima* Frey, 1954, by original designation.
altissima Frey, 1954: 27 (*Parascaptomyza*). Tristan da Cunha; Gough I.
helvola Frey, 1954: 30 (*Parascaptomyza*). Tristan da Cunha.

Subgenus **METASCAPTOMYZA** Hackman

- METASCAPTOMYZA** Hackman, 1959: 17. Type-species: *Scaptomyza cochleata* Burla, 1957, by original designation.
cochleata Burla, 1957: 45. Kenya.
dorsalis Séguy, 1938j: 348. Kenya; Cameroun.

Subgenus **PARASCAPTOMYZA** Duda

- PARASCAPTOMYZA** Duda, 1924 a: 203, 210 (as subgenus of *Drosophila*). Type-species: *Drosophila graminum* Fallén, 1823, sensu Duda [misident., = *Drosophila pallida* Zetterstedt, 1847], by monotypy.
CTENOSCAPTOMYZA Frey, 1954: 22 (as subgenus of *Parascaptomyza*). Type-species: *Parascaptomyza horrida* Frey, 1954, by original designation.
TRISTANOMYIA Frey, 1954: 31 (as genus). Type-species: *Tristanomyia frustulifera* Frey, 1954, by original designation.
angustipennis Frey, 1954: 26 (*Parascaptomyza*). Tristan da Cunha.
frustulifera Frey, 1954: 31 (*Tristanomyia*). Tristan da Cunha; Gough I.
horrida Frey, 1954: 22 (*Parascaptomyza*). Tristan da Cunha.
incerta Frey, 1954: 25 (*Parascaptomyza*). Tristan da Cunha.
pallida Zetterstedt, 1847: 2571 (*Drosophila*). Scandinavia; cosmopolitan (incl. St Helena).
disticha Duda, 1921a: 24 (*Parascaptomyza*). Tristan da Cunha.
pectinifera Frey, 1954: 24 (*Parascaptomyza*). Tristan da Cunha.

Subgenus SCAPTOMYZA Hardy

- SCAPTOMYZA** Hardy, 1849: 361 (as genus). Type-species: *Drosophila graminum* Fallén, 1823, by designation of Coquillett (1910: 603).
SCAPTOMYZELLA Hendel, 1928a: 290, 291 (as genus). Type-species: *Drosophila flava* Fallén, 1823, by original designation.
SCAPTOMYZATTA. Incorrect original spelling of *Scaptomyzella* (Hendel, 1928a: 290).
graminum Fallén, 1823e: 8 (*Drosophila*). Sweden; Kenya, South Africa, Europe, N. Amer.
borealis Wheeler, 1952: 204. U.S.A.
mimitantalia Tsacas & Cogan, [1977]: 89. St Helena.
santahelenica Tsacas & Cogan, [1977]: 86. St Helena.

Subgenus TROGLOSCAPTOMYZA Frey

- TROGLOSCAPTOMYZA** Frey, 1954: 21 (as subgenus of *Parascaptomyza*). Type-species: *Parascaptomyza brevilamellata* Frey, 1954, by original designation.
brevilamellata Frey, 1954: 21 (*Parascaptomyza*). Tristan da Cunha.

Subgenerically unplaced species of Scaptomyza

- punctiscutata** Lamb, 1914: 333 (*Drosophila*). Seychelles. **Comb. n.**

Genus ZAPRIONUS Coquillett

- ZAPRIONUS** Coquillett, 1902a: 31. Type-species: *Zaprionus vittiger* Coquillett, 1902, by original designation.
ardus Collart, 1937b: 5. Zaire; Ivory Coast.
armatus Collart, 1937a: 9. Zaire; Cameroun, Ivory Coast.
badyi Burla, 1954: 93. Ivory Coast.
collarti Tsacas **nom. n.** Madagascar.
inermis Séguy, 1938f: 343. Madagascar. [Junior homonym, preocc. *inermis* Collart, 1937.]
fumipennis Séguy, 1938j: 343. Kenya.
ghesquieri Collart, 1937a: 8. Zaire; Cameroun, Central African Republic, Congo, Gabon, Ivory Coast, Niger, Nigeria, Uganda.
simplicifemur Duda, 1939: 22. Uganda.
inermis Collart, 1937a: 11. Zaire; Cameroun, Central African Republic, Congo, Gabon, Ivory Coast, Uganda.
tenor Curran, 1939d: 3. Zaire.
koroleu Burla, 1954: 86. Ivory Coast; Uganda.
mascariensis Tsacas & David, 1975b: 379. Mauritius; Réunion.
momorticus Graber, 1957: 313. Zaire.
montanus Collart, 1937a: 3. Zaire; Cameroun, Ivory Coast, Rwanda, Uganda.
bispinosus Duda, 1939: 19 (as var. of *vittiger*). Uganda.
neglectus Collart, 1937b: 3. Zaire; Ivory Coast.
niabu Burla, 1954: 92. Ivory Coast; Cameroun, Nigeria.
ornatus Séguy, 1933c: 40. Ivory Coast; widespread Afr.
proximus Collart, 1937d: 1. Kenya.
sepsoides Duda, 1939: 17. Uganda; widespread Afr.
sexvittatus Collart, 1937d: 2. Kenya; Zaire.
spinosus Collart, 1937a: 13. Zaire; Cameroun.

- tuberculatus** Malloch, 1932a:11. Rhodesia; widespread Afrotrop. Reg. (incl. Madagascar, Mauritius, Réunion, St Helena).
- vittiger** Coquillett, 1902a:32. South Africa; widespread Afr. (Incl. Madagascar, Mauritius, Réunion, Rodriguez, St Helena), sthn Arabia.
- vrydaghi** Collart, 1937b:2. Zaire; Uganda.