

CATALOGUE ^{6th E. c. 80/1}
OF THE
DIPTERA
OF THE
AFROTROPICAL REGION

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Superfamily MYCETOPHILOIDEA

15. Family MYCETOPHILIDAE

by

LOIČ MATILE

The Mycetophilidae, or fungus-gnats, are still poorly known, and most of the 262 valid species listed in this Catalogue are known only from their type-localities; many undescribed taxa, however, exist in various collections, and there are undoubtedly still many more to be collected. The family has been much neglected by collectors until recently, no doubt because of the small size of its members, the want of taxonomists, and the lack of any socio-economic importance.

In low altitude tropical forests the adults of Mycetophilidae are found rather evenly dispersed in dark places, mainly under the leaves of the undergrowth vegetation; this is in contrast to the localized habit found in the less humid temperate forests, where adults gather in large numbers in damper and shadier places. The adults of some genera (*Euceroptatus*, *Rhymoleia*, *Tolletia*) are found hanging in spiders' webs, whilst those of *Phronia* can be found flying up and down tree-trunks. Adults of *Leia* and *Rhymoleia* can sometimes be seen swarming and copulating on the leaves along lanes and clearings; those of both genera, and also of *Orfelia*, are attracted to light and can be found on windows at night.

Most larvae, but especially those of Mycetophilinae, feed on the fruiting bodies of fungi. Many others (Keroplatinae and Sciophilinae) spin mucus webs under fungi, fallen branches or rotten tree-trunks, and may feed on fungal spores or hyphae or be predators; in some instances they kill their prey by means of oxalic acid contained in their salivary fluid. Some African (genus *Viridivora*) and European species feed on mosses and liverworts. An unusual Tasmanian species lives as an endoparasite of land Planarians. The biology and larval morphology of some western European mycetophilids are treated by Mansbridge (1933), Madwar (1937) and Buxton (1960), the last-mentioned work providing a brief review of mycetophilids associated with fungi.

The most abundant species in the tropical lowlands of the Afrotropical Region are those with web-spinning larvae, mainly Keroplatinae and Sciophilinae and the genus *Epicypa* of the Mycetophilinae, the larvae of which live under dead wood. Dominant genera are *Orfelia*, *Leia*, *Epicypa* and *Neoempheria*, the same as noted by Colless & Liepa (1973) for the Oriental and Australasian Regions but with the exception of *Exechia*, and the addition of *Parempheriella* for the Afrotropical Region. Within this region the fungus-gnats seem much less common, as a rule, in the high altitude forests, where they show a noticeably higher proportion of Mycetophilinae, and the generic composition of the fauna in these areas is much closer to that of the Holarctic Regions.

The absence of the subfamilies Bolitophilinae, Ditomyiinae and Diadocidiinae, and the poor representation of the tribes Sciophilini and Gnoristini (Sciophilinae) in the region should be specially noted. Concerning the Diadocidiinae the existence of a South African member was mentioned by Freeman (1951), but this was later described by Freeman (1960) in a new genus, *Rhynchoheterotricha*, and placed in Sciaridae. The affinities of *Rhynchoheterotricha*, and the related genus *Heterotricha*, are uncertain but it is considered that neither belongs to the Diadocidiinae, and for purposes of this Catalogue they are listed in the Sciaridae.

There is no comprehensive taxonomic account of the Afrotropical mycetophilid fauna as yet, but recent works with partial keys to genera or species include those of Freeman (1970) and Matile (1973b) for Macrocerini, Matile (1970, 1972c, 1974b) for Keroplatinae, Matile (1972d) for Manotinae, Matile (1971a) for *Pseudexechia*, Matile (1974a) for *Parempheriella*, and Matile (1975a) for *Metanepsia*. Other taxonomic works with relevance for the regional fauna include those of Tuomikoski (1966a, 1966b, 1966c) on the Exechiini, Manotinae and Lygistorrhinae, and the keys to world genera—now rather outdated—of Johannsen (1909), Tonnoir (1929) and Edwards (1925b). Edwards's classification of the Keroplatini (Edwards, 1925b, 1929f) has been adopted here, pending a much-needed revision of the genera of this group which is currently in preparation.

Subfamily KEROPLATINAE

Tribe MACROCERINI

Genus CHIASMONEURA de Meijere

- CHIASMONEURA** de Meijere, 1913: 323. Type-species: *Chiasmoneura anthracina* de Meijere, 1913, by monotypy.
bipunctata Matile, 1973b: 601. Nigeria.
flavicoxa Matile, 1973b: 604. Uganda.
tripunctata Matile, 1973b: 603. Kenya.
vittata Matile, 1973b: 606. Uganda.

Genus CHIASMONEURELLA Matile

- CHIASMONEURELLA** Matile, 1973b: 606. Type-species: *Chiasmoneurella edwardsiana* Matile, 1973, by original designation.
edwardsiana Matile, 1973b: 609. Uganda.

Genus MACROCERA Meigen

- MACROCERA** Meigen, 1803: 261. Type-species: *Macrocera lutea* Meigen, 1804, by designation of Curtis (1837a: 637). [*Macrocera* proposed with one doubtfully included species: Curtis's designation from first four subsequently included species (Meigen, 1804: 46-47).]
PROMACROCERA Speiser, 1913b: 134. Type-species: *Promacrocera interrogationis* Speiser, 1913, by original designation.
africana Freeman, 1970: 364. Zaire; widespread W. Afr. to E. Afr. & stln Afr., Madagascar.
albipunctata Matile, 1973b: 598. Cameroun.
annuliventris Matile, 1972c: 112. Madagascar.
basilewskyi Vanschuytbroeck, 1965b: 383. Tanzania.
edwardsi Freeman, 1970: 366. Uganda; Cameroun.
elgonensis Freeman, 1970: 366. Kenya.
exilis Matile, 1972c: 111. Comoro Is.
fumigata Tollet, 1955: 4. Zaire.
griveaudi Matile, 1972c: 110. Madagascar.
insolita Matile, 1972c: 107. Madagascar; Comoro Is.
interrogationis Speiser, 1913b: 134 (*Promacrocera*). Cameroun.
lateralis Freeman, 1970: 365. Ethiopia.
nephrotoma Matile, 1972c: 109. Madagascar.

- nitida** Freeman, 1970: 365. Uganda.
pictipennis Matile, 1969: 137. Madagascar.
puncticosta Edwards, 1934: 322. São Tomé; widespread W. Afr. to E. & sthn Afr., Zaire.
schoutedeni Tollet, 1954: 533. Zaire.
supposititia Tollet, 1955: 6. Zaire.
unispina Freeman, 1970: 366. Uganda; Kenya.
vespertina Matile, 1973*b*: 598. Cameroun.

Tribe KEROPLATINI

Genus **ASYNAPHLEBA** Matile

- ASYNAPHLEBA** Matile, 1974*c*: 520. Type-species: *Asynaphleba stuckenbergi* Matile, 1974, by original designation.
stuckenbergi Matile, 1974*c*: 521. South Africa.

Genus **CLOEOPHOROMYIA** Matile

- CLOEOPHOROMYIA** Matile, 1970: 809. Type-species: *Cloeophoromyia mirei* Matile, 1970, by original designation.
crassinerva Matile, 1970: 814. Cameroun.
flavicoxa Matile, 1970: 815. Cameroun.
fumipennis Matile, 1970: 812. Cameroun.
mirei Matile, 1970: 811. Cameroun.
teocchii Matile, 1970: 812. Central African Republic.
vittata Matile, 1970: 814. Central African Republic.

Genus **CTENOCERIDION** Matile

- CTENOCERIDION** Matile, 1972*e*: 167. Type-species: *Ctenoceridion freemani* Matile, 1972, by original designation.
freemani Matile, 1972*e*: 168. South Africa.

Genus **EUCEROPLATUS** Edwards

- EUCEROPLATUS** Edwards, 1929*f*: 174 (as subgenus of *Keroplatus*). Type-species: *Keroplatus notaticoxa* Senior-White, 1922, by original designation.
alberti Tollet, 1955: 16 (*Cerotelion*). Zaire; Congo basin.
f. versicolor Tollet, 1955: 19. Zaire; Central African Republic.
f. flavithorax Matile, 1970: 780. Cameroun. [Unavailable name: form name published after 1960.]
brevistylus Matile, 1973*d*: 193. Fernando Póo.
congoensis Tollet, 1955: 21 (*Cerotelion*). Zaire; Cameroun.
flavifemoratus Tollet, 1955: 20 (*Cerotelion*). Zaire; Cameroun, Central African Republic.
incolumis Matile, 1974*b*: 920. Central African Republic.
plokiophilus Matile, 1973*d*: 191. Fernando Póo.

Genus **HETEROPTERNA** Skuse

- HETEROPTERNA** Skuse, 1888: 1166. Type-species: *Heteropterna macleayi* Skuse, 1888, by monotypy.

Subgenus **HETEROPTERNA** Skuse

- HETEROPTERNA** Skuse, 1888: 1166 (as genus). Type-species: *Heteropterna macleayi* Skuse, 1888, by monotypy.
ghesquierei Tollet, 1955: 8. Zaire.

Subgenus **SCROBICULA** Matile

- SCROBICULA** Matile, 1970: 782. Type-species: *Heteropterna balachowskyi* Matile, 1970, by original designation.
balachowskyi Matile, 1970: 782. Central African Republic.

Genus **KEROPLATUS** Bosc

- KEROPLATUS** Bosc, 1792: 42. Type-species: *Keroplatus tipuloides* Bosc, 1792, by monotypy.
CEROPLATUS. Incorrect subsequent spelling of *Keroplatus* (from Fabricius, 1798: 550).
fuscocomaculatus Tollet, 1955: 14. Zaire; Central African Republic.
heimi Matile, 1970: 775. Central African Republic.

Genus **MONOCENTROTA** Edwards

- MONOCENTROTA** Edwards, 1925*b*: 526. Type-species: *Monocentrotia lundstromi* Edwards, 1925, by original designation.
aethiopica Matile, 1974*b*: 929. Mozambique; widespread W. Afr. to E. Afr. & sthn Afr.
descarpentriensi Matile, 1972*c*: 113 (*Orfelia*). Madagascar.
griveaudi Matile, 1972*c*: 115 (*Orfelia*). Madagascar.

Genus **ORFELIA** Costa

- ZELMIRA* Meigen, 1800: 16. Suppressed by I.C.Z.N., 1963*b*: 339 (Opinion 678).
ORFELIA Costa, 1857: 448. Type-species: *Platyura fasciata* Meigen, 1804, by designation of Hardy (1960*b*: 200). [*Orfelia* proposed without originally included species: Hardy's designation from first six expressly included species (Hardy, 1960*b*: 199-208).]
PLATYURA, authors, not Meigen.

Subgenus **LAURYPTA** Edwards

- LAURYPTA** Edwards, 1929*f*: 171 (as subgenus of *Platyura*). Type-species: *Platyura leptura* Edwards, 1928, by original designation.
laevis Enderlein, 1910*b*: 67 (*Platyura*). Seychelles.
scalaris Matile, 1970: 796. Cameroun; Central African Republic.

Subgenus **LYPRAUTA** Edwards

- LYPRAUTA** Edwards, 1931*a*: 77 (as subgenus of *Platyura*). Type-species: *Platyura defecta* Edwards, 1931, by original designation.
brunneicauda Matile, 1970: 795. Cameroun.
chambordi Matile, 1974*b*: 936. Central African Republic.

Subgenus NEOPLATYURA Malloch

- NEOPLATYURA** Malloch, 1928e:601 (as genus). Type-species: *Platyura setiger* Johannsen, 1910, by original designation.
axillariger Enderlein, 1910b:66 (*Platyura*). Seychelles; South Africa.
griseipennis Matile, 1970:785. Cameroun.
manjarivolo Matile, 1972c:116. Madagascar.

Subgenus ROFELIA Matile

- ROFELIA** Matile, 1972c:112. Type-species: *Orfelia rothiana* Matile, 1972, by original designation.
rothiana Matile, 1972c:113. Madagascar.

Subgenus RUTYLAPA Edwards

- RUTYLAPA** Edwards, 1929f:171 (as subgenus of *Platyura*). Type-species: *Platyura ruficornis* Zetterstedt, 1851, by original designation.
annulata Matile, 1972c:117. Réunion.
brunneidorsum Matile, 1970:798. Central African Republic.
magnicerca Matile, 1972c:118. Madagascar.
nigradorsum Matile, 1970:797. Central African Republic.

Subgenus TAULYRPA Edwards

- TAULYRPA** Edwards, 1929f:171 (as subgenus of *Platyura*). Type-species: *Cerotelion vespiformis* Enderlein, 1910, by original designation.
caeruleovittata Matile, 1972c:119. Madagascar.

Subgenus TRUPLAYA Edwards

- TRUPLAYA** Edwards, 1929f:170 (as subgenus of *Platyura*). Type-species: *Platyura venusta* Walker, 1856, by original designation.
aethiopica Lindner, 1958d:2 (*Zelmira*). Tanzania.
agnita Matile, 1974c:524. South Africa.
calogastra Speiser, 1913b:133 (*Zelmira*). Cameroun; widespread W. Afr. to E. Afr. & South Africa.
masaia Lindner, 1958d:3 (*Zelmira*). Tanzania.
rubricoxa Matile, 1972c:122. Madagascar.

Subgenus XENOPLATYURA Malloch

- XENOPLATYURA** Malloch, 1928e:601 (as genus). Type-species: *Platyura conformis* Skuse, 1888, by original designation.
AFRORIFELLA Matile, 1970:787. Type-species: *Orfelia tsacasi* Matile, 1970, by original designation.
ahalaensis Matile, 1970:790. Cameroun.
brevitarsata Matile, 1970:789. Cameroun.
familiaris Matile, 1974b:932. Central African Republic.
hutsoni Matile, 1972c:119. Madagascar; Astove I.
littoralis Matile, 1974c:525. South Africa.
lobata Matile, 1974c:527. South Africa.
longeiuincta Speiser, 1913b:131 (*Zelmira*). Cameroun.

- maculata** Matile, 1970:788. Cameroun.
malkini Matile, 1974b:932. Cameroun.
natalensis Matile, 1974c:527. South Africa.
nkolbissonensis Matile, 1970:793. Cameroun.
paradoxa Matile, 1965:1111 (*Platyura*). Guinea.
rudebecki Matile, 1974c:529. South Africa.
rufonigra Matile, 1972c:122. Madagascar.
selenea Matile, 1970:793. Cameroun.
spangleri Matile, 1974c:531. South Africa.
tsacasi Matile, 1970:789. Cameroun.
vespertina Matile, 1970:791. Central African Republic.

Genus PARACEROTELION Matile

- PARACEROTELION** Matile, 1974c:514. Type-species: *Paracerotelion flavicauda* Matile, 1974, by original designation.
flavicauda Matile, 1974c:516. South Africa.

Genus PROCEROPLATUS Edwards

- PROCEROPLATUS** Edwards, 1925b:523. Type-species: *Platyura pictipennis* Wiliston, 1896, by original designation.
aedon Vanschuytbroeck, 1965b:384 (*Cerotelion*). Tanzania; widespread W. Afr. to E. Afr.
bicornutus Matile, 1970:791 (*Orfelia*). Cameroun.
minutus Matile, 1974b:925. Central African Republic.
pictus Speiser, 1908c:128 (*Ceroplastus*). Tanzania. **Comb. n.**
seguyi Matile, 1972c:115 (*Orfelia*). Réunion.
mirabilis Matile, 1972c:115. [Unavailable name: MS name of Séguy published as synonym.]
whitfieldii Matile, 1974b:926. Central African Republic.

Genus RALYTUPA Edwards

- RALYTUPA** Edwards, 1929f:171 (as subgenus of *Platyura*). Type-species: *Platyura pendleburyi* Edwards, 1928, by original designation.
angusta Matile, 1975b:184. Sierra Leone; Ivory Coast, Nigeria, Uganda.
assimilis Matile, 1970:803 (*Orfelia*). Central African Republic; Cameroun, Nigeria.
bacillata Matile, 1975b:186. Uganda.
bifaria Matile, 1975b:188. Nigeria.
compacta Matile, 1975b:189. Nigeria.
daniellae Matile, 1973d:194 (*Orfelia*). Fernando Póo.
dentata Matile, 1975b:192. Ivory Coast.
denticulata Matile, 1974c:522 (*Orfelia*). South Africa.
fissiterga Matile, 1970:805 (*Orfelia*). Central African Republic.
flavida Matile, 1970:806 (*Orfelia*). Cameroun.
flaviscapularis Matile, 1970:806 (*Orfelia*). Cameroun; Ghana.
flavonigra Matile, 1974b:938 (*Orfelia*). Central African Republic.
fumidapex Matile, 1970:802 (*Orfelia*). Cameroun.
funebri Matile, 1970:805 (*Orfelia*). Cameroun; Central African Republic.
rivalis Matile, 1970:804 (*Orfelia*). Cameroun.
grahami Matile, 1975b:200 (*Orfelia*). Nigeria.
gromieri Matile, 1970:800 (*Orfelia*). Cameroun; widespread W. Afr. to E. Afr.

- insidiosa** Matile, 1974b: 943 (*Orfelia*). Cameroun; W. Afr.
issongo Matile, 1974b: 941 (*Orfelia*). Central African Republic.
lindneri Matile, 1973c: 1 (*Orfelia*). Tanzania.
major Matile, 1970: 807 (*Orfelia*). Cameroun; widespread W. Afr. to E. Afr.
medleri Matile, 1975b: 206. Nigeria.
melanopyga Matile, 1970: 800 (*Orfelia*). Cameroun.
minor Matile, 1970: 800 (*Orfelia*). Cameroun.
nasuta Matile, 1975b: 211. Sudan.
penicillata Matile, 1975b: 210. Ivory Coast; Ghana.
pugiata Matile, 1975b: 211. Sudan.
pyrrophaea Matile, 1970: 803 (*Orfelia*). Central African Republic; Ghana, Uganda.
simplicistyla Matile, 1975b: 212. Uganda; Liberia, Nigeria.
subminor Matile, 1975b: 214. Nigeria.
theobromaphila Matile, 1970: 803 (*Orfelia*). Cameroun; Nigeria.
virgulta Matile, 1975b: 216. Ghana.
vittigera Matile, 1970: 809 (*Orfelia*). Cameroun.
wolteri Lindner, 1958d: 2 (*Zelmira*). Tanzania.

Genus SCHIZOCYTTARA Matile

- SCHIZOCYTTARA** Matile, 1974c: 517. Type-species: *Schizocyttara turneri* Matile, 1974, by original designation.
brincki Matile, 1974c: 520. South Africa.
turneri Matile, 1974c: 518. South Africa.

Genus TOLLETIA Matile

- TOLLETIA** Matile, 1973d: 193. Type-species: *Platyroptilon vrydaghi* Tollet, 1955, by original designation.
vrydaghi Tollet, 1955: 11 (*Platyroptilon*). Zaire; Cameroun, Central African Republic, Fernando Póo.

Subfamily LYGISTORRHININAE

Genus LYGISTORRHINA Skuse

- LYGISTORRHINA** Skuse, 1890a: 598. Type-species: *Lygistorrhina insignis* Skuse, 1890, by monotypy.
 Undescribed sp.—Kenya, Uganda.

Subfamily SCIOPHILINAE

Tribe GNORISTINI

Genus BOLETINIELLA Matile

- BOLETINIELLA** Matile, 1973d: 204. Type-species: *Boletiniella nigrifemur* Matile, 1973, by original designation.
nigrifemur Matile, 1973d: 204. Fernando Póo; Cameroun.

Genus DZIEDZICKIA Johannsen

- HERTWIGIA** Dziedzicki, 1885: 166. Type-species: *Hertwigia marginata* Dziedzicki, 1885, by monotypy. [Junior homonym, preocc. *Hertwigia* Schmidt, 1880.]
DZIEDZICKIA Johannsen, 1909: 44 (replacement name for *Hertwigia* Dziedzicki).
nitida Edwards, 1925c: 607. South Africa.

Tribe MYCOMYINI

Genus MORINIOLA Matile

- MORINIOLA** Matile, 1976b: 139. Type-species: *Moriniola grilloti* Matile, 1976, by original designation.
grilloti Matile, 1976b: 140. Congo.

Genus MYCOMYA Rondani

- MYCOMYA** Rondani, 1856: 194. Type-species: *Sciophila marginata* Meigen, 1818, by original designation.
MYCOMYIA. Variant spelling of *Mycomya*.
alluaudi Edwards, 1914b: 53. Kenya.
andreinii Bezzi, 1906c: 202 (*Sciophila*). Ethiopia (Eritrea).
himiti Vanschuytbroeck, 1965b: 386 (*Dziedzickia*). Tanzania. **Comb. n.**
kiboensis Lindner, 1958d: 3. Tanzania.
lightfooti Edwards, 1925c: 608. South Africa.

Genus MYCOMYIELLA Matile

- MYCOMYIELLA** Matile, 1973d: 200. Type-species: *Mycomyiella camerounensis* Matile, 1973, by original designation.
camerounensis Matile, 1973d: 202. Cameroun.
securiculata Matile, 1973d: 202. Fernando Póo.

Genus NEOEMPHERIA Osten Sacken

- EMPHERIA** Winnertz, 1863: 738. Type-species: *Sciophila striata* Meigen, 1818, by designation of Coquillett (1910: 537). [Junior homonym, preocc. *Empheria* Hagen, 1856.]
NEOEMPHERIA Osten Sacken, 1878: 9 (replacement name for *Empheria* Winnertz).
amphiphaea Speiser, 1909b: 35. Tanzania.
appendiculata Matile, 1973d: 196. Fernando Póo.
boubya Matile, 1973d: 198. Fernando Póo.
donskoffi Matile, 1973a: 252. Zaire.
ediya Matile, 1973d: 198. Fernando Póo.
flavida Matile, 1973d: 200. Fernando Póo.
jeanneli Edwards, 1914b: 52. Kenya.
ombrophila Matile in Delobel & Matile, 1976: 390. Central African Republic.

Genus PAREMPHERIELLA Matile

- PAREMPHERIELLA** Matile, 1974a: 612 (as subgenus of *Parempheria* Matile). Type-species: *Parempheria flava* Matile, 1974, by original designation.

Subgenus PAREMPHERIELLA Matile

- PAREMPHERIELLA** Matile, 1974a:612 (as subgenus of *Parempheria* Matile).
Type-species: *Parempheria flava* Matile, 1974, by original designation.
- affinis** Matile, 1974a:623 (*Parempheria*). Cameroun; Central African Republic.
Comb. n.
- alternans** Matile, 1974a:625 (*Parempheria*). Central African Republic. **Comb. n.**
- annulata** Matile, 1974a:626 (*Parempheria*). Cameroun; Central African Republic.
Comb. n.
- aperta** Matile, 1974a:628 (*Parempheria*). Central African Republic; Cameroun.
Comb. n.
- apicistyla** Matile, 1974a:629 (*Parempheria*). Central African Republic. **Comb. n.**
- bivittata** Matile, 1974a:629 (*Parempheria*). Cameroun. **Comb. n.**
- brunnea** Matile, 1974a:631 (*Parempheria*). Cameroun. **Comb. n.**
- caudata** Matile, 1974a:632 (*Parempheria*). Central African Republic. **Comb. n.**
- ctenophora** Matile, 1974a:634 (*Parempheria*). Central African Republic; Cameroun.
Comb. n.
- distincta** Matile, 1974a:635 (*Parempheria*). Cameroun; Nigeria. **Comb. n.**
- essili** Matile, 1974a:635 (*Parempheria*). Central African Republic. **Comb. n.**
- filicauda** Matile, 1974a:637 (*Parempheria*). Cameroun. **Comb. n.**
- flava** Matile, 1974a:638 (*Parempheria*). Cameroun; Central African Republic,
Fernando Póo. **Comb. n.**
- flavonigra** Matile, 1974a:639 (*Parempheria*). Central African Republic. **Comb. n.**
- hirsuta** Matile, 1974a:641 (*Parempheria*). Cameroun; Central African Republic.
Comb. n.
- indecisa** Matile, 1974a:642 (*Parempheria*). Central African Republic; Cameroun.
Comb. n.
- isoseta** Matile, 1974a:644 (*Parempheria*). Central African Republic; Cameroun.
Comb. n.
- kotaloukou** Matile, 1974a:645 (*Parempheria*). Central African Republic. **Comb. n.**
- kotazo** Matile, 1974a:646 (*Parempheria*). Central African Republic. **Comb. n.**
- lucida** Matile, 1974a:648 (*Parempheria*). Central African Republic. **Comb. n.**
- luciditerga** Matile, 1974a:649 (*Parempheria*). Cameroun; Central African Republic.
Comb. n.
- ngoi** Matile, 1974a:650 (*Parempheria*). Central African Republic; Cameroun.
Comb. n.
- ngoungou** Matile, 1974a:651 (*Parempheria*). Central African Republic. **Comb. n.**
- nkuemvovens** Matile, 1974a:653 (*Parempheria*). Cameroun. **Comb. n.**
- pilicauda** Matile, 1974a:654 (*Parempheria*). Cameroun. **Comb. n.**
- pilistylata** Matile, 1974a:656 (*Parempheria*). Central African Republic; Cameroun.
Comb. n.
- quadriseta** Matile, 1974a:657 (*Parempheria*). Central African Republic. **Comb. n.**
- rufa** Matile, 1974a:658 (*Parempheria*). Central African Republic; Cameroun.
Comb. n.
- rufifrons** Matile, 1974a:660 (*Parempheria*). Central African Republic. **Comb. n.**
- rufiventris** Matile, 1974a:660 (*Parempheria*). Cameroun. **Comb. n.**
- tetrachaeta** Matile, 1974a:661 (*Parempheria*). Central African Republic. **Comb. n.**
- toka** Matile, 1974a:663 (*Parempheria*). Central African Republic. **Comb. n.**

Subgenus PAREMPHERINA Matile

- PAREMPHERINA** Matile, 1973c:2 (as genus). Type-species: *Parempheria lobayensis* Matile, 1973, by original designation. [Junior homonym, preocc. *Parempheria* Enderlein, 1906.]
- PAREMPHERINA** Matile, 1977:287 (replacement name for *Parempheria* Matile).
- cincta** Matile, 1974a:618 (*Parempheria*). Central African Republic; Cameroun.
Comb. n.
- ssp. **brevifurca** Matile, 1974a:620 (*Parempheria*). Cameroun.
- ssp. **cincta** s. str. Central African Republic.
- cryptopyga** Matile, 1973c:3 (*Parempheria*). Tanzania. **Comb. n.**
- lobayensis** Matile, 1973c:3 (*Parempheria*). Central African Republic. **Comb. n.**

Genus SYNDOCOSIA Speiser

- SYNDOCOSIA** Speiser, 1923:81. Type-species: *Syndocosia cremea* Speiser, 1923, by original designation.
- atoma** Matile, 1976a:696. Central African Republic.
- cremea** Speiser, 1923:82. Tanzania.
- dryas** Matile, 1976a:695. Central African Republic.
- foliata** Matile, 1976a:698. Central African Republic.
- pallida** Matile, 1976a:700. Central African Republic.
- pan** Matile, 1976a:692. Central African Republic.
- pervalida** Speiser, 1923:83. Tanzania.
- syrixae** Matile, 1976a:695. Central African Republic.

Genus VIRIDIVORA Matile

- VIRIDIVORA** Matile, 1972a:1929. Type-species: *Viridivora seguyi* Matile, 1972, by original designation.
- formosa** Matile, 1973d:203. Fernando Póo.
- seguyi** Matile, 1972a:1929. Central African Republic.

Tribe SCIOPHILINI

Genus ACNEMIA Winnertz

- ACNEMIA** Winnertz, 1863:798. Type-species: *Leia nitidicollis* Meigen, by designation of Johannsen (1909:63).
- falkei** Matile & Vockeroth, 1977:18. Uganda.

Genus AZANA Walker

- AZANA** Walker, 1856a:26. Type-species: *Azana scatopsoides* Walker, 1856 [= *Boletina anomala* Staeger, 1840], by monotypy.
- Unidentified sp.—Nigeria.

Genus LEPTOMORPHUS Curtis

- LEPTOMORPHUS** Curtis, 1831:365. Type-species: *Leptomorphus walkeri* Curtis, 1831, by original designation.
- Unidentified spp.—W. Afr. to E. Afr. & sthn Afr., Madagascar.

Genus **SCIOPHILA** Meigen

- SCIOPHILA** Meigen, 1818: 245. Type-species: *Sciophila hirta* Meigen, 1818, by designation of Curtis (1837a: 641).
LASIOSOMA Winnertz, 1863: 748. Type-species: *Sciophila pilosa* Meigen, 1838 [= *Sciophila hirta* Meigen, 1818], by designation of Coquillett (1910: 558). [Junior homonym, preocc. *Lasiosoma* Fieber, 1860.]
intima Lindner, 1958d: 4. Tanzania.

Tribe METANEPSIINI

Genus **METANEPSIA** Edwards

- METANEPSIA** Edwards, 1927b: 361. Type-species: *Metanepsia javana* Edwards, 1927, by original designation.
africana Matile, 1971b: 92. Cameroun; Central African Republic.
irwini Matile, 1975a: 216. Tanzania.
rossi Matile, 1975a: 218. Tanzania.
spangleri Matile, 1972b: 271. Kenya.
tsacasi Matile, 1971b: 94. Cameroun.

Tribe LEIINI

Genus **ACRODICRANIA** Skuse

- ACRODICRANIA** Skuse, 1888: 1194. Type-species: *Acrodicrania atricauda* Skuse, 1888, by designation of Johannsen (1909: 82).
africana Edwards, 1925c: 609. South Africa.

Genus **ALLACTONEURA** de Meijere

- ALLACTONEURA** de Meijere, 1907: 201. Type-species: *Allactoneura cincta* de Meijere, 1907, by monotypy.
SCOTTELLA Enderlein, 1910b: 60. Type-species: *Scottella argentosquamosa* Enderlein, 1910, by original designation.
argentosquamosa Enderlein, 1910b: 61 (*Scottella*). Seychelles; Madagascar, Mauritius, Asia.

Genus **LEIA** Meigen

- LEIA** Meigen, 1818: 253. Type-species: *Leia fascipennis* Meigen, 1818, by designation of Curtis (1837a: 645).
LEJA. Incorrect subsequent spelling of *Leia* (from Gimmerthal, 1832: 345).
LEJOMYA Rondani, 1856: 195 ([unnecessary] replacement name for *Leja*).
GLAPHYROPTERA Winnertz, 1863: 781. Type-species: *Leia fascipennis* Meigen, 1818, by designation of Coquillett (1910: 547). [Junior homonym, preocc. *Glaphyroptera* Heer, 1852.]
NEOGLAPHYROPTERA Osten Sacken, 1878: 10 (replacement name for *Glaphyroptera* Winnertz).
LEIOMYA, **LEIOMYIA**. Variant spellings of *Lejomya*.
annae Lindner, 1958d: 5 (*Leiomyia*). Tanzania.
arsona Hutson, 1978: 123. South Africa; Kenya, St Helena, England (introduced).

- barbarae** Lindner, 1958d: 5 (*Leiomyia*). Tanzania.
basilewskyi Tollet, 1956a: 452. Rwanda; Burundi.
biumbaensis Tollet, 1956a: 458. Rwanda.
bururiensis Tollet, 1956a: 455. Burundi.
continua Tollet, 1956a: 457. Rwanda.
determinaticollis Enderlein, 1910a: 185. South Africa.
gaudchaui Lindner, 1958d: 4 (*Leiomyia*). Tanzania.
innotata Enderlein, 1910a: 186. South Africa.
intermissa Tollet, 1956a: 459. Burundi.
jeanneli Edwards, 1914b: 55 (*Leiomyia*). Kenya.
muhavuraensis Tollet, 1956a: 453. Rwanda.
ngorongoroensis Vanschuytbroeck, 1965b: 389. Tanzania.
nigricans Tollet, 1956a: 454. Rwanda; Burundi.
nigronitida Edwards, 1914b: 56 (*Leiomyia*). Kenya.
notabilis Edwards, 1914b: 54 (*Leiomyia*). Kenya.
orientalis Vanschuytbroeck, 1965b: 387. Tanzania.
pauliani Matile, 1969: 138. Madagascar.
rwankeriensis Tollet, 1956a: 456. Rwanda.
setosa Matile, 1973d: 206. Fernando Póo.
stigmatica Edwards, 1925c: 610. South Africa.
thomensis Edwards, 1934: 323. São Tomé.

Genus **RHYMOLEIA** Edwards

- RHYMOLEIA** Edwards, 1924c: 570 (as subgenus of *Leiomyia*). Type-species: *Leiomyia fijiana* Edwards, 1924, by monotypy.
maculicoxa Enderlein, 1910b: 69 (*Leia*). Seychelles.
seychellensis Enderlein, 1910b: 70 (*Leia*). Seychelles.
tanganyikae Matile, 1973c: 5. Tanzania.
villiersi Matile, 1973e: 151. Senegal.

Subfamily MANOTINAE

Genus **MANOTA** Williston

- MANOTA** Williston, 1896b: 260. Type-species: *Manota defecta* Williston, 1896, by monotypy.
APHANIZOPHLEPS Enderlein, 1910a: 201. Type-species: *Aphanizophleps coxata* Enderlein, 1910, by original designation.
flavipes Enderlein, 1910b: 68 (*Aphanizophleps*). Seychelles.
fusca Matile, 1972d: 92. Central African Republic.
issongo Matile, 1972d: 93. Central African Republic.
lachaisei Matile, 1972d: 94. Ivory Coast.
mabokeysensis Matile, 1972d: 94. Central African Republic.
nigra Matile, 1972d: 96. Cameroun.
saepium Matile, 1972d: 96. Cameroun.
teocchii Matile, 1972d: 96. Central African Republic.

Subfamily MYCETOPHILINAE

Tribe EXECHIINI

Genus ALLODIA Winnertz

- ALLODIA** Winnertz, 1863:826. Type-species: *Mycetophila ornatocollis* Meigen, 1818, sensu Winnertz [misident., = *Mycetophila lugens* Wiedemann, 1817], by designation of Johannsen (1909:104).
Unidentified spp.—Cameroun, Comoro Is.

Genus BREVICORNU Marshall

- BREVICORNU** Marshall, 1896:306. Type-species: *Brevicornu flava* Marshall, 1896, by designation of Tuomikoski (1966a:184).
Unidentified sp.—Cameroun.

Genus EXECHIA Winnertz

- EXECHIA** Winnertz, 1863:879. Type-species: *Tipula fungorum* de Geer, 1776, sensu Winnertz [misident., = *Mycetophila fusca* Meigen, 1804], by designation of Johannsen (1909:106).
areolata Enderlein, 1910b:73 (*Phronia*). Seychelles.
flabellipennis Enderlein, 1910b:71 (*Phronia*). Seychelles.
pedekiboana Lindner, 1958d:5. Tanzania.
subvenosa Enderlein, 1910b:74 (*Phronia*). Seychelles.
tricincta Enderlein, 1910b:75 (*Phronia*, as var. of *subvenosa*). Seychelles.

Genus PSEUDEXECHIA Tuomikoski

- PSEUDEXECHIA** Tuomikoski, 1966a:180. Type-species: *Exechia trisignata* Edwards, 1913, by original designation.
camerounensis Matile, 1971a:213. Cameroun.
edwardsiana Matile, 1971a:210. São Tomé.
hancocki Matile, 1971a:210. Uganda.
silhouettensis Enderlein, 1910b:72 (*Phronia*). Seychelles.
tanganyikae Lindner, 1958d:5 (*Exechia*). Tanzania. **Comb. n.**

Genus RYMOSIA Winnertz

- RYMOSIA** Winnertz, 1863:810. Type-species: *Mycetophila fasciata* Meigen, 1804, by designation of Johannsen (1909:102). [*M. fasciata* an originally included species in *Rymosia* by its inclusion as a synonym of *Mycetophila discoidea* Meigen, 1818.]
RHYMOSIA. Variant spelling of *Rymosia*.
cretensis Lundström, 1911:396. Greece (Crete); ? Kenya. [? Afrotropical.]
msingiensis Lindner, 1958d:6. Tanzania.

Tribe MYCETOPHILINI

Genus ASPIDIONIA Colless

- ASPIDIONIA** Colless, 1966:664. Type-species: *Aspidionia palauensis* Colless, 1966, by original designation.
balachowskyi Matile, 1974d:590. Comoro Is.

Genus EPICYPTA Winnertz

- EPICYPTA** Winnertz, 1863:909. Type-species: *Mycetophila scatophora* Perris, 1849, by designation of Johannsen (1909:110).
DELOPSIS Skuse, 1890a:623. Type-species: *Delopsis flavipennis* Skuse, 1890, by monotypy.
auranticeps Edwards, 1914b:56 (*Delopsis*). Kenya.
collaris Enderlein, 1910b:81 (*Mycetophila*). Seychelles.
costalis Matile, 1973d:207. Fernando Póo; Cameroun.
femorata Matile, 1973d:209. Fernando Póo.
halterata Matile, 1973d:211. Fernando Póo.
luridiceps Enderlein, 1910b:81 (*Mycetophila*). Seychelles.
propinqua Matile, 1973d:211. Fernando Póo.
proxima Matile, 1973d:211. Fernando Póo.
scutellata Matile, 1973d:209. Fernando Póo; Cameroun.
seychellensis Enderlein, 1910b:80 (*Mycetophila*). Seychelles.
vicina Matile, 1973d:212. Fernando Póo.

Genus MYCETOPHILA Meigen

- FUNGIVORA** Meigen, 1800:16. Suppressed by I.C.Z.N., 1963b:339 (Opinion 678).
MYCETOPHILA Meigen, 1803:263. Type-species: *Tipula agarici* Villers, 1789, by designation of Johannsen (1909:116).
collineola Speiser, 1909b:36 (*Fungivora*). Tanzania; Kenya.
ruficollis Meigen, 1818:262. Austria; Kenya, São Tomé, South Africa, widespread Europe & Oriental Reg. [Probably misident. in Afrotrop. Reg.]
lineola, authors, not Meigen (misident.).
subscutellaris Lindner, 1958d:6 (*Fungivora*). Tanzania. **Comb. n.**

Genus PHRONIA Winnertz

- PHRONIA** Winnertz, 1863:857. Type-species: *Phronia rustica* Winnertz, 1863 [= *Mycetophila exigua* Zetterstedt, 1852], by designation of Johannsen (1909:96).
brevifurcata Enderlein, 1910b:75 (*Macrobrachius*). Seychelles.

Genus PLATUROCYPTA Enderlein

- PLATUROCYPTA** Enderlein, 1910b:76. Type-species: *Platurocypta limbatifemur* Enderlein, 1910, by original designation.
EPICYPTA, authors, not Winnertz.
approximata Edwards, 1914b:57 (*Epicypta*). Kenya; Tanzania.
limbatifemur Enderlein, 1910b:76. Seychelles.

Genus PLATYPROSTHIOGYNE Enderlein

- PLATYPROSTHIOGYNE** Enderlein, 1910b:78. Type-species: *Platyprosthiogyne metameromelina* Enderlein, 1910, by original designation.
metameromelina Enderlein, 1910b:78. Seychelles.
oresbia Matile, 1974d:592. Cameroun.

Genus SCEPTONIA Winnertz

SCEPTONIA Winnertz, 1863: 907. Type-species: *Mycetophila nigra* Meigen, 1804, by designation of Johannsen (1909: 113).
Unidentified sp.—South Africa.

Genus ZYGOMYIA Winnertz

ZYGOMYIA Winnertz, 1863: 901. Type-species: *Mycetophila vara* Staeger, 1840, by designation of Johannsen (1909: 112).
Unidentified spp.—Cameroun, Central African Republic, Comoro Is.

Unplaced name in Mycetophilidae

sanctahelenae Melliss, 1875: 194 (*Leia*). *Nomen nudum* [?] (attrib. Walker).

16. Family SCIARIDAE

by

W. A. STEFFAN

Sciaridae are commonly found in nearly all regions of the world, but are not well known because their small size and superficial homogeneity have tended to discourage collectors and taxonomists. The immature stages may be found in rotten wood, under the bark of fallen trees, or in other kinds of decaying plant material, or feeding in fungi or animal excrement. Some species feed on living plant tissues and can cause economically important damage.

The Afrotropical fauna has been very little studied, and the regional literature contains only isolated descriptions of new species and a few incomplete lists of species from certain areas. The treatment given here is essentially a list of published names, although some obviously necessary changes, such as the transfer of *Neosciara* species to *Bradysia*, have been made. Many generic placements are probably incorrect, but types will need to be examined before appropriate generic assignments can be made; many species in *Sciara* will probably have to be transferred to other genera once the type-material has been studied. The genera *Heterotracha* and *Rhynchoheterotracha* have been retained in the family, but their placement is questionable: some authorities suggest that these genera are more closely related to the Mycetophilidae.

A comprehensive revision of the world genera of Sciaridae is much needed to bring stability to the higher classification. At present the most useful general taxonomic works on the family are those of Frey (1942, 1948) and Tuomikoski (1960) dealing with the northern European fauna, and that of Steffan (1966) on the North American fauna.

Sciara variabilis Meunier is omitted, as Meunier's (1905b) identification of this species in Zanzibar copal is very questionable.

Genus AFROSCIARA Séguy

AFROSCIARA Séguy, 1961: 415. Type-species: *Afrosciara pallida* Séguy, 1961, by original designation.
pallida Séguy, 1961: 415. Guinea.

Genus AMESICRIUM Enderlein

AMESICRIUM Enderlein, 1911d: 128. Type-species: *Amesicrium nanum* Enderlein, 1911, by original designation.
nanum Enderlein, 1911d: 128. Seychelles.

Genus APELMOCREAGRIS Enderlein

APELMOCREAGRIS Enderlein, 1911d: 146. Type-species: *Lycoria bibionea* Speiser, 1909 [= *Sciara thoracica* Macquart, 1838], by original designation.
thoracica Macquart, 1838a: 82 (78) (*Sciara*). Madagascar; Cameroun, 'Congo', Fernando Póo, Kenya, Rhodesia, Tanzania.
ruficollis Walker, 1848: 104 (*Sciara*). 'Congo'.

PSYCHODIDAE (records from Davidson, 1979b, Trouillet & Vattier-Bernard, 1977, and Vattier-Bernard & Trouillet, 1979)

- Sergentomyia collarti*—Congo
- Sergentomyia dissimillima*—Congo
- Sergentomyia meeseri*—South Africa
- Sergentomyia meillonii*—Namibia
- Sergentomyia tauffliebi*—Congo
- Sergentomyia wansoni*—Congo

SIMULIIDAE (records from Gouteux, 1979, and Brunhes, 1979)

- Simulium adersi*—Comoro Is.
- Simulium aureosimile*—Ivory Coast.
- Simulium colasbelcouri*—Ivory Coast.
- Simulium berneri*—Ivory Coast.
- Simulium djallonense*—Ivory Coast.
- Simulium futaense*—Ivory Coast.
- Simulium johannae*—Ivory Coast.
- Simulium liberiense*—Ivory Coast.

SPHAEROCERIDAE (records from Deeming, 1979c)

- Leptocera angulata*—Comoro Is.
- Leptocera curvinervis*—Comoro Is.
- Leptocera obscuripennis*—Comoro Is.

STRATIOMYIDAE (records from Lindner, 1979)

- Cardopomyia robusta*—Comoro Is.
- Chrysochroma triste*—Comoro Is.
- Lophoteles plumula*—Comoro Is.
- Microchrysa scutellaris*—Comoro Is.
- Ptecticus elongatus*—Comoro Is.
- Ptectisargus argentipellitus*—Comoro Is.

TIPULIDAE (records from Alexander, 1978, 1979)

- Austrolimnophila acanthophallus*—Comoro Is.
- Conosia irrorata intermedia*—Ethiopia.
- Heliopsis bifurcus*—Ethiopia.
- Hoverioptera ambricola*—Comoro Is.
- Limonia miosema*—Ethiopia.
- Limonia seydeli*—Ethiopia.
- Pseudolimnophila octoseriata*—Comoro Is.
- Styringomyia bourbonensis*—Comoro Is.
- Toxorhina drysdalei*—Comoro Is.
- Trentepohlia africana*—Comoro Is.
- Trentepohlia aurantia*—Comoro Is.

(4) Corrections and nomenclatural changes

This list corrects some errors and omissions that were discovered when the catalogue was too advanced for changes to be made in the text, and records changes in nomenclature or status of taxa that supersede the text. Changes already published whilst in press are given their bibliographic references, and those published here for the first time

attribute to the catalogue author of the family concerned. The list is alphabetical by family for rapid reference.

ASILIDAE: Londt (1977) treats *Choerades* Walker as generically distinct from *Laphria* Meigen. This is not accepted for catalogue purposes, as it is contrary to the view of the late Mr Harold Oldroyd, who prepared the Asilidae (see Oldroyd, 1974a).

CALLIPHORIDAE: p. 785, *Rhyncomya rugosa* Séguéy has been synonymized with *R. dasyops* Bezzi (Zumpt & Tsacas, 1978).

CELYPHIDAE: p. 609, *Afrocelyphus* Vanschuytbroeck is newly transferred to the Chloropidae as a **new synonym** of *Nomba* Walker (p. 701), and its type-species accordingly re-assigned as *Nomba saegeri* (Vanschuytbroeck) **new combination**. (R. M. Miller *in litt.* to editors.)

CHIRONOMIDAE: p. 181, *Cardiocladius hessei* Freeman has been transferred to *Eukiefferiella* (p. 182) (Lehmann, 1979).

p. 188, *Collartiella* Goetghebuer is preoccupied. Substitute overlooked replacement name *Collartomyia* Goetghebuer published by Goetghebuer (1948b) and annotate entry for *Collartiella* Goetghebuer as '[Junior homonym, preocc. *Collartiella* Schouteden, 1931.]'.

p. 196, under *Polypedilum brunneicorne* (Kieffer) add overlooked synonym 'pandani Kieffer, 1911c: 356 (*Chironomus*). Seychelles'.

CHLOROPIDAE: See Celyphidae above.

MUSCIDAE: p. 728, *Orthellia analis* Curran is preoccupied by *Orthellia analis* (Robineau-Desvoidy, 1863). Substitute *Orthellia currani* Pont **nom. n.** as replacement name and annotate entry for *analis* Curran as '[Junior homonym, preocc. *analis* Robineau-Desvoidy, 1863.]'.

MYCETOPHILIDAE: p. 219–220, subgenera *Lyprauta* Edwards, *Rutylapa* Edwards, *Taulyrpa* Edwards and *Truplaya* Edwards are now ranked by Matile (1977c, 1978) as genera.

p. 1221 (this appendix), *Leptomorphus africanus* Matile is a junior primary homonym of *L. africanus* Meunier. Substitute *Leptomorphus crosskeyi* Matile **nom. n.** as replacement name. (L. Matile *in litt.* to editors.)

NYCTERIBIIDAE: p. 777, delete *Nycteribia alternata* Maa as a valid species in the Afrotropical fauna and substitute 'alternata Maa—not Afrotropical'. Type of *alternata* mislabelled as from 'Kamerun', see Maa (1971c: 93).

PSYCHODIDAE: p. 102, subgeneric name *Rondanomyia* Theodor has been synonymized with *Neophlebotomus* França & Parrot, 1920 (Lewis, 1978). Include, as valid subgeneric name supplanting *Rondanomyia*, the name *Neophlebotomus* França & Parrot, 1920: 699. Type-species: *Phlebotomus malabaricus* Annandale, 1910, by original designation. [Note: type-species of *Rondanomyia* is *squamirostris* Newstead, as correctly cited on p. 102 of this catalogue, and not *malabaricus* Annandale as inadvertently stated by Lewis, 1978: 269.]

p. 1223 (this appendix), *Rhadinoscopus triangulatus* Wagner here newly transferred to *Mormia* Enderlein as *Mormia triangulata* (Wagner) **new combination**. (D. A. Duckhouse *in litt.* to editors.)