

CATALOGUE <sup>6th E. c. 80/1</sup>  
OF THE  
DIPTERA  
OF THE  
AFROTROPICAL REGION

*Editor:*

R. W. CROSKEY

*Assistant editors:*

BRIAN H. COGAN, PAUL FREEMAN  
ADRIAN C. PONT, KENNETH G. V. SMITH  
and the late  
HAROLD OLDROYD

BRITISH MUSEUM  
(NATURAL HISTORY)  
LONDON

1980

# 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, 1973b: 598. Cameroun.

## Tribe KEROPLATINI

Genus **ASYNAPHLEBA** Matile

- ASYNAPHLEBA** Matile, 1974c: 520. Type-species: *Asynaphleba stuckenbergi* Matile, 1974, by original designation.  
**stuckenbergi** Matile, 1974c: 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, 1972c: 167. Type-species: *Ctenoceridion freemani* Matile, 1972, by original designation.  
**freemani** Matile, 1972c: 168. South Africa.

Genus **EUCEROPLATUS** Edwards

- EUCEROPLATUS** Edwards, 1929f: 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, 1973d: 193. Fernando Póo.  
**congoensis** Tollet, 1955: 21 (*Cerotelion*). Zaire; Cameroun.  
**flavifemoratus** Tollet, 1955: 20 (*Cerotelion*). Zaire; Cameroun, Central African Republic.  
**incolumis** Matile, 1974b: 920. Central African Republic.  
**plokiophilus** Matile, 1973d: 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).  
**fuscomaculatus** Tollet, 1955: 14. Zaire; Central African Republic.  
**heimi** Matile, 1970: 775. Central African Republic.

Genus **MONOCENTROTA** Edwards

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

Genus **ORFELIA** Costa

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

Subgenus **LAURYPTA** Edwards

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

Subgenus **LYPRAUTA** Edwards

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

- EMIPHERIA** Winnertz, 1863: 738. Type-species: *Sciophila striata* Meigen, 1818, by designation of Coquillett (1910: 537). [Junior homonym, preocc. *Empheria* Hagen, 1856.]  
**NEOEMIPHERIA** 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'.