

Superfamily PSYCHODOIDEA

15. Family PSYCHODIDAE

By D.A. Duckhouse
(Bruchomyiinae, Trichomyiinae, Sycoracinae, Psychodinae)
and the late D. J. Lewis
(Phlebotominae)

Adult psychodids (moth flies) are mostly short-legged, weak-flying insects encountered in permanently moist places, especially forests. Larvae feed on fallen leaves and other organic materials. Through their frequent abundance they play an important ecological role in accelerating the release of nutrients. Some species of the subfamily Phlebotominae transmit diseases (Adler & Theodor 1957, Lewis 1971). The family is also notable in that it includes some of the most primitive Diptera.

There are numerous Australasian species, mostly undescribed. An idea of the extent of the fauna is provided by Quate & Quate's (1967) observation that the 228 species recorded from the Papuan Subregion may represent no more than 25% of the actual fauna. In contrast, and despite far more intensive collecting, the entire western Palearctic fauna only includes some 457 described species.

Of the 5 subfamilies, Bruchomyiinae are most plesiomorphic. In other regions they are often collected with Phlebotominae; study of the immature stages of *Bruchomyia argentina* (Satchell 1953a) suggests a sister-group relationship between these 2 subfamilies.

Phlebotominae (phlebotomine sand flies) are characteristically encountered in dry areas, breeding in leaf litter or moist fissures in the soil. In some regions the blood-sucking females transmit protozoan parasites (*Leishmania*), bacteria, or viruses. Of the 2 genera in Australasia, *Phlebotomus* is believed to usually feed on mammals (but see Lewis & Dyce, 1982: 53) and *Sergentomyia* on reptiles. A curious feature of the distribution of phlebotomines is that they seem to be absent from most oceanic islands (Lewis 1978, Quate 1959a). In-

deed, there are no records from any part of the vast expanse of Oceania, including New Zealand.

Sycoracinae are mostly rare. Females are blood-sucking like those of Phlebotominae [*Sycorax silacea* feeds on frogs (Desportes 1942)] but are not known to bite humans or domestic animals. Larvae may occur in the freshwater marginal zone, but some New Zealand species are fully terrestrial.

Trichomyiinae are associated with rotting wood: the larva of *Trichomyia urbica* Haliday is xylophagous (Keilin & Tate 1937), *Trichomyia crucis* has been reared from wet, rotting, woody material contained in treeholes and hollows between buttress roots, and adults of other species tend to be concentrated where there is abundant rotting wood. There are more described species in Australasia than in any other region.

By far the largest and most apomorphic subfamily is the Psychodinae. Many Australasian species of Psychodinae broadly resemble *Pericoma* and were described as members of that genus. None truly belong there. In this catalog 9 species have been transferred to *Didicrum*. The remainder are left in *Pericoma* pending the publication of several new genera to accommodate them.

Immatures of Australasian Psychodinae resemble those of European species described by Satchell (1947, 1949) and Vaillant (1971-1983) and range from fully terrestrial to almost fully aquatic. *Didicrum* and *Notiocharis* are close to *Pericoma* in structure and habits; *Peripsychoda* larvae are elongate mud-burrowing forms, precisely like their European counterparts (Duckhouse 1966); *Brunettia* has a semiterrestrial larva very similar to *Clytocerus* (Duckhouse 1966); *Telmatoscopus* includes setose larvae and others with strongly reduced setae and tergal plates. *Clogmia* breeds in water-filled tree holes.

The Australasian fauna includes an important Antarctic element related genealogically to species in the neotropics and, to a lesser extent, the afrotropics (*Didicrum*; *Trichomyia* subg. *Gondwanotrichomyia*). The New Zealand fauna includes elements that are particularly close to some in the neotropics. It is also closest to that of the southern neotropics in overall composition because it lacks a series of genera that apparently entered Australia and New Guinea from the Oriental Region: *Phlebotomus*, *Sergentomyia*, *Notiocharis*, *Trichopsychoda*, *Telmatoscopus*, and *Paratelmatoscopus* (Duckhouse 1966). The Oceanian fauna apparently does not include any Antarctic elements and mainly comprises taxa that are more dispersive, especially *Psychoda*.

The known Australasian/Oceanian fauna in-

cludes 20 genera and 426 species, versus 20 genera and 315 species in the Oriental Region and 22 genera and 256 species in the Afrotropical Region. Only 1 of the recorded genera (5.3%) is endemic, compared with none in the Oriental, 4 (18.2%) in the Afrotropical, and more than 14 (53.8%) in the Neotropical regions.

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Refs.: Duckhouse (1972, rev. S Chilean Sycoracinae, Trichomyiinae; 1978, rev. Australian, New Guinean *Trichomyia*).

Subfamily BRUCHOMYIINAE

Genus NEMAPALPUS Macquart

NEMAPALPUS Macquart, 1838a: 85(81). Type species: *Nemapalpus flavus* Macquart, 1838, mon. *NEMOPALPUS*, error for *Nemapalpus*.

australiensis Alexander, 1928f: 293. Australia (NSW).

zelandiae Alexander, 1921g: 158. NZ (NZ).

Subfamily SYCORACINAE

Genus SYCORAX Haliday

SYCORAX Haliday in Curtis, 1839: 745. Type species: *Sycorax silacea* Haliday, 1839, mon.

australis Duckhouse, 1965: 332. Australia (NSW).

cryptella Satchell, 1950a: 149. NZ (NZ).

dispar Satchell, 1950a: 150. NZ (NZ).

impatiens Satchell, 1950a: 150. NZ (NZ).

milleri Satchell, 1950a: 151. NZ (NZ).

Subfamily TRICHOMYIINAE

Genus TRICHOMYIA Haliday

TRICHOMYIA Haliday in Curtis, 1839: 745. Type species: *Trichomyia urbica* Haliday, 1839, mon.

TERMITODIPTERON Holmgren, 1905: 533. Type species: *Termitodipteron wasmanni* Holmgren, 1905, mon.

Subgenus APOTRICHOMYIA Duckhouse

APOTRICHOMYIA Duckhouse, 1978: 211. Type species: *Trichomyia complexa* Duckhouse, 1965, orig. des.

complexa Duckhouse, 1965: 341. Australia (NSW).

reducta Duckhouse, 1978: 212. Australia (NSW).

Subgenus DACTYLOTRICHOMYIA Duckhouse

DACTYLOTRICHOMYIA Duckhouse, 1978: 213. Type species: *Trichomyia tanypenis* Duckhouse, 1978, orig. des.

- ancyroperis** Duckhouse, 1978: 234. PNG (PNG).
annectens Duckhouse, 1978: 225. PNG (PNG).
barbata Duckhouse, 1978: 230. Australia (Qld).
bifalcata Duckhouse, 1978: 219. Australia (Qld).
biuncata Duckhouse, 1978: 231. Australia (Qld).
contigua Duckhouse, 1978: 227. PNG (PNG).
coronula Duckhouse, 1978: 236. PNG (PNG).
crucis Duckhouse, 1978: 217. Australia (NSW); Australia (Qld).
divaricata Duckhouse, 1978: 221. Australia (Qld); Australia (NSW).
divergens Duckhouse, 1978: 223. Australia (Qld).
dolichostylis Duckhouse, 1978: 221. Australia (Qld).
falcata Quate & Quate, 1967: 35. Indonesia (Irian Jaya); PNG (PNG).
fergusoni Duckhouse, 1965: 343. Australia (NSW); Australia (Qld).
furtiva Quate & Quate, 1967: 33. Indonesia (Irian Jaya).
hawaiiensis Quate, 1954: 337. Hawaiian Is.
humerosa Duckhouse, 1978: 234. PNG (PNG).
incomplexa Duckhouse, 1965: 338. Australia (NSW); Australia (Qld).
inopis Duckhouse, 1978: 224. Australia (NT); Australia (Qld), PNG (PNG).
jugabilis Duckhouse, 1978: 232. PNG (PNG).
juxta Duckhouse, 1978: 229. PNG (PNG).
noctivolata Quate & Quate, 1967: 33. Indonesia (Irian Jaya); PNG (PNG).
paenefalcata Duckhouse, 1978: 229. PNG (PNG).
palauensis Quate, 1959: 442. Belau.
palmata Duckhouse, 1978: 225. PNG (PNG).
parafalcata Duckhouse, 1978: 229. PNG (PNG).
paranoctivolata Duckhouse, 1978: 225. PNG (PNG).
propinqua Duckhouse, 1978: 234. PNG (PNG).
repanda Duckhouse, 1978: 219. PNG (PNG).
tanypenis Duckhouse, 1978: 215. Australia (Qld).
triaina Duckhouse, 1978: 215. Australia (NSW).
trivialis Quate & Quate, 1967: 35. Indonesia (Irian Jaya); PNG (PNG).

Subgenus DICROTRICHOMYIA Duckhouse

DICROTRICHOMYIA Duckhouse, 1978: 204. Type species: *Trichomyia leei* Duckhouse, 1965, orig. des.

- brachyperis** Duckhouse, 1978: 209. Australia (NSW).
bulbosa Duckhouse, 1978: 205. Australia (Qld); Australia (NSW, NT).
leei Duckhouse, 1965: 342. Australia (NSW).
lyrata Duckhouse, 1978: 207. Australia (NSW).
quadrspinosa Duckhouse, 1978: 209. PNG (PNG).
trukensis Quate, 1959: 441. Micronesia.
uncinata Duckhouse, 1978: 209. PNG (PNG).

Subgenus GONDWANOTRICHOMYIA Duckhouse

GONDWANOTRICHOMYIA Duckhouse, 1980: 184. Unavailable name; genus-group name proposed after 1930 without type-species designation.

GONDWANOTRICHOMYIA Duckhouse, 1985: 355. Type species: *Trichomyia nodosa* Duckhouse, 1980, orig. des.

- capsulata** Duckhouse, 1980: 188. NZ (NZ).

madsoni Duckhouse, 1965: 334. Australia (Vic).

Unplaced species of *Trichomyia* Haliday

fusca Satchell, 1950a: 148. NZ (NZ).

oahuensis Quate, 1954: 337. Hawaiian Is.

pollex Duckhouse, 1978: 199. Australia (Qld).

singularis Quate & Quate, 1967: 35. Indonesia (Irian Jaya); PNG (PNG).

Subfamily PSYCHODINAE

Tribe MARUININI

Genus DIDICRUM Enderlein

DIDICRUM Enderlein, 1937c: 105. Type species: *Pericoma griseata* Tonnoir, 1929, orig. des.

agreste Quate & Quate, 1967: 39 (*Pericoma*). PNG (PNG). **N. comb.**

clarkei Satchell, 1954: 480 (*Pericoma*). NZ (NZ). **N. comb.**

claviatum Satchell, 1950a: 156 (*Pericoma*). NZ (NZ). **N. comb.**

drepanatum Satchell, 1950a: 156 (*Pericoma*). NZ (NZ). **N. comb.**

maurum Satchell, 1950a: 157 (*Pericoma*). NZ (NZ). **N. comb.**

peregrinum Quate & Quate, 1967: 39 (*Pericoma*). PNG (PNG). **N. comb.**

punctulatum Tonnoir, 1953: 421 (*Pericoma*). Australia (Vic). **N. comb.**

solitarium Satchell, 1954: 481 (*Pericoma*). NZ (NZ). **N. comb.**

steffani Quate & Quate, 1967: 37 (*Pericoma*). PNG (PNG). **N. comb.**

triuncinatum Satchell, 1950a: 154 (*Pericoma*). NZ (NZ). **N. comb.**

uniformatum Tonnoir, 1953: 419 (*Pericoma*). Australia (Tas). **N. comb.**

Genus PARATELMATOSCOPUS Satchell

PARATELMATOSCOPUS Satchell, 1953c: 393 (*Telmatoscopus* subg.). Type species: *Telmatoscopus variegatus* Satchell, 1953, orig. des.

brevistylis Duckhouse, 1966: 171. Australia (NSW).

careelensis Duckhouse, 1966: 173. Australia (NSW).

impigrus Quate & Quate, 1967: 50. Indonesia (Irian Jaya).

longistylis Duckhouse, 1966: 171. Australia (NSW); Australia (ACT).

nitidus Quate & Quate, 1967: 48. PNG (PNG).

permistus Quate & Quate, 1967: 48. Indonesia (Irian Jaya).

subvariegatus Satchell, 1953c: 395 (*Telmatoscopus*). Australia (NSW).

similis Quate & Quate, 1967: 51. Indonesia (Irian Jaya).

truncatus Duckhouse, 1966: 174. Australia (NSW).

variegatus Satchell, 1953c: 394 (*Telmatoscopus*). Australia (Tas); Australia (NSW).

Genus PERICOMA Walker

PERICOMA Walker, 1856b: 256. Type species: *Trichoptera trifasciata* Meigen, 1804, des. Coquillett, 1910: 587.

albipes Tonnoir, 1953: 427. Australia (NSW).

bancrofti Tonnoir, 1920: 154. Australia (NSW).

barbata Satchell, 1954: 483. NZ (NZ).

bifalcata Satchell, 1950a: 159. NZ (NZ).

bilobata Satchell, 1954: 485. NZ (NZ).

confusa Satchell, 1953c: 367. Australia (NSW).

coracina Duckhouse, 1966: 165 (*intricatoria* ssp.). Australia (Vic); Australia (ACT). **N. stat.**

- diffusa** Satchell, 1954: 483 (n. n. for *furcata* Satchell). NZ (NZ).
furcata Satchell, 1950a: 163. NZ (NZ). [Preocc. Kincaid, 1899.]
funebri Hutton, 1902b: 180. NZ (NZ).
variegata Hutton, 1902b: 180. NZ (NZ).
varigata, error for *variegata*.
gourlayi Satchell, 1950a: 160. NZ (NZ).
illustrata Tonnoir, 1953: 422. Australia (Tas).
intricatoria Tonnoir, 1953: 430. Australia (Tas); Australia (SA).
lobisternum Satchell, 1950a: 158. NZ (NZ).
multimaculata Satchell, 1950a: 153. NZ (NZ).
nemorosa Duckhouse, 1966: 157. Australia (Vic).
notata Duckhouse, 1966: 159. Australia (ACT).
ottwayensis Duckhouse, 1966: 159. Australia (Vic).
pseudoalbipes Satchell, 1953c: 370. Australia (NSW).
rotundipennis Tonnoir, 1953: 429. Australia (NSW).
satchelli Duckhouse, 1966: 161. Australia (Vic); Australia (ACT, NSW).
serratipenis Satchell, 1950a: 162. NZ (NZ).
simulata Duckhouse, 1966: 165 (*intricatoria* ssp.). Australia (Vic). **N. stat.**
spiralifera Satchell, 1950a: 161. NZ (NZ).
subillustrata Tonnoir, 1953: 424. Australia (Tas).
tasmaniae Tonnoir, 1953: 425. Australia (Tas).

Tribe MORMIINI

Genus BRUNETTIA Annandale

BRUNETTIA Annandale, 1910: 141. Type species: *Diplonema superstes* Annandale, 1908, des. Brunetti, 1911a: 310.

Subgenus ATRICHOBRUNETTIA Satchell, n. stat.

- ATRICHOBRUNETTIA** Satchell, 1953c: 413 (as gen.). Type species: *Atrichobrunettia alternata* Satchell, 1953, orig. des.
alternata Satchell, 1953c: 413. Australia (Tas); Australia (ACT, NSW, Vic).
antennata Quate & Quate, 1967: 127. Indonesia (Irian Jaya).
bisulca Quate & Quate, 1967: 125. Indonesia (Irian Jaya).
bisulcoides Quate & Quate, 1967: 127. Indonesia (Irian Jaya).
clavigera Quate & Quate, 1967: 129. Indonesia (Irian Jaya).
lyrata Quate & Quate, 1967: 131. Indonesia (Irian Jaya).
microps Quate & Quate, 1967: 131. Indonesia (Irian Jaya).
morigera Duckhouse, 1966: 192. Australia (Vic).
pallescens Quate & Quate, 1967: 129. Indonesia (Irian Jaya).
scitula Duckhouse, 1966: 190 (*alternata* ssp.). Australia (Vic). **N. stat.**
solita Quate & Quate, 1967: 127. Indonesia (Irian Jaya).
spadix Quate & Quate, 1967: 129. Indonesia (Irian Jaya); PNG (PNG).
subalternata Satchell, 1953c: 416. Australia (WA); Australia (NSW).
tribulosa Quate & Quate, 1967: 131. PNG (PNG).

Subgenus BRUNETTIA Annandale

- BRUNETTIA** Annandale, 1910: 141 (as gen.). Type species: *Diplonema superstes* Annandale, 1908, des. Brunetti, 1911a: 310.
PARABRUNETTIA Brunetti, 1911a: 310. Type species: *Psychoda squamipennis* Brunetti, 1908, des. Brunetti, 1912b: 251.

- TRICHOBRUNETTIA* Tonnoir, 1939: 74 (*Brunettia* subg.). Type species: *Psychoda albonotata* Brunetti, 1908, orig. des.
- anfracta* Quate & Quate, 1967: 111. Indonesia (Irian Jaya).
- biformis* Edwards, 1928c: 68. Western Samoa; American Samoa, Belau, Fiji, Guam, Marshall Is, Micronesia.
- chydaea* Quate & Quate, 1967: 120. Indonesia (Irian Jaya).
- cyclops* Quate & Quate, 1967: 111. Indonesia (Irian Jaya).
- exigua* Quate & Quate, 1967: 119. Indonesia (Irian Jaya).
- goliath* Quate & Quate, 1967: 111. Indonesia (Irian Jaya).
- grossipenna* Quate & Quate, 1967: 113. Indonesia (Irian Jaya).
- iota* Quate & Quate, 1967: 116. Indonesia (Irian Jaya).
- jeffiensis* Quate & Quate, 1967: 113. Indonesia (Irian Jaya).
- longiscapa* Quate & Quate, 1967: 122. Indonesia (Irian Jaya); PNG (PNG).
- novaezealandica* Satchell, 1950a: 165. NZ (NZ).
- onerata* Quate & Quate, 1967: 110. PNG (PNG).
- orbicularis* Quate & Quate, 1967: 120. PNG (PNG); Indonesia (Irian Jaya).
- palmata* Quate & Quate, 1967: 123. Indonesia (Irian Jaya).
- phainops* Quate & Quate, 1967: 116. PNG (PNG); Indonesia (Irian Jaya).
- pumilis* Quate & Quate, 1967: 116. Indonesia (Irian Jaya).
- remostyla* Quate & Quate, 1967: 118. Indonesia (Irian Jaya).
- sedlacekae* Quate & Quate, 1967: 113. PNG (PNG); Indonesia (Irian Jaya).
- sexpunctata* Satchell, 1950b: 183. Fiji.
- similis* Satchell, 1953b: 187. Western Samoa.
- sinuosa* Quate & Quate, 1967: 118. Indonesia (Irian Jaya).
- tenuistyla* Quate & Quate, 1967: 124. PNG (PNG).
- unipunctata* Freeman, 1951a: 143. Fiji.
- vivax* Duckhouse, 1966: 188. Australia (SA).

Genus GEROBRUNETTIA Quate & Quate

- GEROBRUNETTIA* Quate & Quate, 1967: 105. Type species: *Gero brunettia geminata* Quate & Quate, 1967, orig. des.
- filamentosa* Quate & Quate, 1967: 108. Indonesia (Irian Jaya).
- geminata* Quate & Quate, 1967: 106. Indonesia (Irian Jaya).
- kagora* Quate & Quate, 1967: 107. PNG (PNG).
- sibilensis* Quate & Quate, 1967: 106. Indonesia (Irian Jaya).

Genus MORMIA Enderlein

- MORMIA* Enderlein, 1935b: 248. Type species: *Pericoma revisenda* Eaton, 1893, orig. des.

Subgenus RHADINOSCOPUS Quate & Quate

- RHADINOSCOPUS* Quate & Quate, 1967: 90 (*Telmatoscopus* subg.). Type species: *Telmatoscopus paniscus* Quate & Quate, 1967, orig. des.
- aristosa* Quate & Quate, 1967: 94. Indonesia (Irian Jaya).
- egregia* Quate & Quate, 1967: 96. Indonesia (Irian Jaya).
- fratuelis* Quate & Quate, 1967: 96. Indonesia (Irian Jaya).
- gerrula* Quate & Quate, 1967: 92. PNG (PNG).
- hemedopos* Quate & Quate, 1967: 91. PNG (PNG).
- ignava* Quate & Quate, 1967: 95. Indonesia (Irian Jaya).
- insignis* Quate & Quate, 1967: 94. Indonesia (Irian Jaya).
- panisca* Quate & Quate, 1967: 91. Indonesia (Irian Jaya).
- paniscoides* Quate & Quate, 1967: 94. PNG (PNG).

tubana Quate & Quate, 1967: 96. Indonesia (Irian Jaya).

Tribe PARAMORMIINI

Genus CLOGMIA Enderlein

CLOGMIA Enderlein, 1937c: 83. Type species: *Psychoda albipunctata* Williston, 1893, orig. des. *albipunctata* Williston, 1893a: 113 (*Psychoda*). Cuba; Belau, French Polynesia (Society Is), Hawaiian Is, Indonesia (Irian Jaya), Micronesia, Northern Marianas, PNG (Bismarck Arch, PNG), Vanuatu; pantrop.

albipennis, error for *albipunctata*.

albipunctoides Quate, 1959: 454 (*Telmatoscopus*). Micronesia. **N. comb.**
aurigena Quate & Quate, 1967: 85 (*Telmatoscopus*). Indonesia (Irian Jaya). **N. comb.**
batillina Quate & Quate, 1967: 85 (*Telmatoscopus*). Indonesia (Irian Jaya). **N. comb.**
colobrina Quate & Quate, 1967: 85 (*Telmatoscopus*). Indonesia (Irian Jaya). **N. comb.**
consentanea Quate & Quate, 1967: 90 (*Telmatoscopus*). Indonesia (Irian Jaya). **N. comb.**
contortula Quate & Quate, 1967: 80 (*Telmatoscopus*). Indonesia (Irian Jaya). **N. comb.**
convolvula Quate & Quate, 1967: 82 (*Telmatoscopus*). PNG (PNG). **N. comb.**
falcata Quate & Quate, 1967: 88 (*Telmatoscopus*). Indonesia (Irian Jaya). **N. comb.**
fissurella Quate & Quate, 1967: 83 (*Telmatoscopus*). PNG (PNG). **N. comb.**
flebilis Quate & Quate, 1967: 83 (*Telmatoscopus*). Indonesia (Irian Jaya). **N. comb.**
grata Quate & Quate, 1967: 87 (*Telmatoscopus*). PNG (PNG). **N. comb.**
membraga Quate & Quate, 1967: 82 (*Telmatoscopus*). Indonesia (Irian Jaya). **N. comb.**
poncianicola Satchell, 1953c: 396 (*Telmatoscopus*). Australia (Qld). **N. comb.**
vitiensis Satchell, 1950b: 176 (*Telmatoscopus*). Fiji. **N. comb.**
volvistyla Quate & Quate, 1967: 87 (*Telmatoscopus*). Indonesia (Irian Jaya). **N. comb.**
zeus Quate & Quate, 1967: 83 (*Telmatoscopus*). Indonesia (Irian Jaya). **N. comb.**

Genus PERIPSYCHODA Enderlein

PERIPSYCHODA Enderlein, 1935b: 248. Type species: *Psychoda fusca* Macquart, 1826, orig. des. *NOTOTELMATOSCOPIUS* Satchell, 1953c: 398 (*Telmatoscopus* subg.). Type species: *Telmatoscopus obscurus* Satchell, 1953, orig. des.
OREOSCOPIUS Quate & Quate, 1967: 98 (*Telmatoscopus* subg.). Type species: *Telmatoscopus wauensis* Quate & Quate, 1967, orig. des. [Preocc. North, 1905.]
adusta Quate & Quate, 1967: 100 (*Telmatoscopus*). PNG (PNG).
agrestis Quate & Quate, 1967: 55 (*Telmatoscopus*). Indonesia (Irian Jaya).
ambalata Quate & Quate, 1967: 103 (*Telmatoscopus*). PNG (PNG).
appendiculata Quate & Quate, 1967: 62 (*Telmatoscopus*). PNG (PNG).
baitabagensis Quate & Quate, 1967: 66 (*Telmatoscopus*). PNG (PNG).
bulbula Quate & Quate, 1967: 63 (*Telmatoscopus*). PNG (PNG).
castanea Quate & Quate, 1967: 58 (*Telmatoscopus*). PNG (PNG).
centraceps Quate & Quate, 1967: 53 (*Telmatoscopus*). Indonesia (Irian Jaya).
confraga Quate & Quate, 1967: 62 (*Telmatoscopus*). Indonesia (Irian Jaya).
cracenta Quate & Quate, 1967: 59 (*Telmatoscopus*). Indonesia (Irian Jaya).
crassepalpis Satchell, 1953c: 400 (*Telmatoscopus*). Australia (WA).
dimorpha Tonnoir, 1953: 436 (*Telmatoscopus*). Australia (NSW).
empheres Quate & Quate, 1967: 66 (*Telmatoscopus*). PNG (PNG).
festiva Satchell, 1953c: 399 (*Telmatoscopus*). Australia (NSW).
fragilis Quate & Quate, 1967: 62 (*Telmatoscopus*). PNG (PNG).
globalaris Quate & Quate, 1967: 100 (*Telmatoscopus*). PNG (PNG).
gregsoni Tonnoir, 1953: 434 (*Telmatoscopus*). Australia (NSW); Australia (ACT, Tas, Vic).
hirsuta Quate & Quate, 1967: 65 (*Telmatoscopus*). Indonesia (Irian Jaya).
kratzensis Quate & Quate, 1967: 101 (*Telmatoscopus*). PNG (PNG).

- lippa** Quate & Quate, 1967: 55 (*Telmatoscopus*). Indonesia (Irian Jaya).
lobella Quate & Quate, 1967: 57 (*Telmatoscopus*). PNG (PNG); Indonesia (Irian Jaya).
longicera Quate & Quate, 1967: 63 (*Telmatoscopus*). Indonesia (Irian Jaya).
nicholsoni Satchell, 1953c: 404 (*Telmatoscopus*). Australia (Tas).
obscura Satchell, 1953c: 402 (*Telmatoscopus*). Australia (Qld); Australia (NSW).
obtusolata Quate & Quate, 1967: 68 (*Telmatoscopus*). PNG (PNG).
reburra Quate & Quate, 1967: 54 (*Telmatoscopus*). PNG (PNG).
repanda Quate & Quate, 1967: 65 (*Telmatoscopus*). Indonesia (Irian Jaya).
scarificata Quate & Quate, 1967: 59 (*Telmatoscopus*). PNG (PNG).
sisypha Quate & Quate, 1967: 63 (*Telmatoscopus*). Indonesia (Irian Jaya).
spuriosa Quate & Quate, 1967: 103 (*Telmatoscopus*). PNG (PNG).
tridentata Quate & Quate, 1967: 57 (*Telmatoscopus*). Indonesia (Irian Jaya).
viduata Tonnoir, 1953: 439 (*Telmatoscopus*). Australia (Tas).
wauensis Quate & Quate, 1967: 98 (*Telmatoscopus*). PNG (PNG).
zygops Quate & Quate, 1967: 100 (*Telmatoscopus*). Indonesia (Irian Jaya).

Genus TELMATOSCOPUS Eaton

TELMATOSCOPUS Eaton, 1904: 58. Type species: *Pericoma advena* Eaton, 1893, des. Quate, 1965b: 93. [Earlier type designations invalid under I.C.Z.N. Code.]

Subgenus EUTELMATOSCOPUS Satchell

- EUTELMATOSCOPUS Satchell, 1953c: 406. Type species: *Telmatoscopus spiralifer* Tonnoir, 1953, orig. des.
aberrans Tonnoir, 1953: 441. Australia (Tas); Australia (ACT).
acrobeles Quate & Quate, 1967: 75. Indonesia (Irian Jaya).
confusus Satchell, 1953c: 409. Australia (Tas); Australia (ACT, NSW, Vic).
crenigus Quate & Quate, 1967: 74. PNG (PNG).
daedalus Quate, 1959: 451. Belau.
decussatus Quate & Quate, 1967: 72. PNG (PNG).
fordi Satchell, 1953c: 411. Australia (NSW).
ingenuus Duckhouse, 1966: 178. Australia (NSW).
inuitatus Satchell, 1950b: 178. Fiji.
maculalus Quate, 1959: 449. Micronesia.
maculoides Quate, 1959: 450. Micronesia.
mergellatus Quate & Quate, 1967: 77. Indonesia (Irian Jaya); PNG (PNG).
neglectus Satchell, 1953c: 406. Australia (NSW).
nivosus Duckhouse, 1966: 179 (*aberrans* ssp.). Australia (Vic). **N. stat.**
norrisi Satchell, 1953c: 408. Australia (NSW).
oxybeles Quate & Quate, 1967: 75. PNG (Bismarck Arch).
panergus Quate & Quate, 1967: 72. Indonesia (Irian Jaya).
pruinosis Duckhouse, 1966: 182. Australia (Vic); Australia (ACT).
spiralifer Tonnoir, 1953: 443. Australia (NSW).
steffani Quate & Quate, 1967: 77. PNG (PNG); Indonesia (Irian Jaya).
stellatus Quate & Quate, 1967: 76. Indonesia (Irian Jaya).
tersaceps Quate & Quate, 1967: 78. Indonesia (Irian Jaya).

Unplaced species of *Telmatoscopus* Eaton

- huangae** Quate & Quate, 1967: 70. PNG (PNG).
syncretus Quate & Quate, 1967: 70. Indonesia (Irian Jaya).
townsvillensis Taylor, 1915b: 267 (*Pericoma*). Australia (Qld).

Tribe PERICOMINI

Genus NOTIOCHARIS Eaton

- NOTIOCHARIS** Eaton, 1913: 425. Type species: *Notiocharis insignis* Eaton, 1913, mon.
assimilis Quate & Quate, 1967: 44. Indonesia (Irian Jaya).
dimorpha Satchell, 1953c: 364. Australia (Tas); Australia (NSW, Vic).
fragilis Quate & Quate, 1967: 42. Indonesia (Irian Jaya).
lanceolata Quate & Quate, 1967: 44. Indonesia (Irian Jaya); PNG (PNG).
maai Quate & Quate, 1967: 42. Indonesia (Irian Jaya).
miranda Quate & Quate, 1967: 42. PNG (PNG).
pallida Satchell, 1953c: 366. Australia (NSW).
papuensis Quate & Quate, 1967: 46. PNG (PNG).
paxillosa Quate & Quate, 1967: 46. Indonesia (Irian Jaya).
phlyctis Quate & Quate, 1967: 46. Indonesia (Irian Jaya).
stellae Quate, 1962a: 33. Malaysia (Sabah); PNG (PNG); Philippines.
wilsoni Duckhouse, 1966: 167. Australia (SA).

Tribe PSYCHODINI

Genus EPACRETRON Quate

- EPACRETRON** Quate, 1965a: 863. Type species: *Epacretron pinnagum* Quate, 1965, orig. des.
NEOPSYCHODA Duckhouse, 1966: 213. Type species: *Neopsychoda pulchra* Duckhouse, 1966, orig. des.
EPACRETON, error for *Epacretron*.
anacre Quate & Quate, 1967: 136. Indonesia (Irian Jaya).
breviceps Quate & Quate, 1967: 138. Indonesia (Irian Jaya).
insolitum Quate & Quate, 1967: 136. Indonesia (Irian Jaya).
pulchrum Duckhouse, 1966: 213 (*Neopsychoda*). Australia (SA); Australia (ACT, NSW). **N. comb.**

Genus PHILOSEPEDON Eaton

- PHILOSEPEDON** Eaton, 1904: 57. Type species: *Psychoda humeralis* Meigen, 1818, orig. des.
TERMITADELPHOS Holmgren, 1905: 530. Type species: *Termitadelphos silvestrii* Holmgren, 1905, orig. des. **N. syn.**
LEPIDOPSYCHODA Edwards, 1928c: 71. Type species: *Lepidopsychoda tineiformis* Edwards, 1928, orig. des.
MINIOCEROS Quate, 1959: 455 (*Telmatoscopus* subg.). Type species: *Telmatoscopus squamalatus* Quate, 1959 [= *Lepidopsychoda tineiformis* Edwards, 1928], orig. des.
forcipata Quate & Quate, 1967: 144. Indonesia (Irian Jaya).
pectinata Quate & Quate, 1967: 140. Indonesia (Irian Jaya).
quadricuspis Quate & Quate, 1967: 140. PNG (PNG); Indonesia (Irian Jaya), PNG (Bismarck Arch).
sessilis Quate & Quate, 1967: 142. Indonesia (Irian Jaya); PNG (PNG).
setosa Quate & Quate, 1967: 144. Indonesia (Irian Jaya).
tineiformis Edwards, 1928c: 72 (*Lepidopsychoda*). Western Samoa; Belau, Fiji, Guam, Indonesia (Irian Jaya), Micronesia; Malaysia (Sabah).
squamalatus Quate, 1959: 455 (*Telmatoscopus*). Micronesia.
torosa Quate & Quate, 1967: 140. PNG (PNG).

Genus PSYCHODA Latreille

- PSYCHODA** Latreille, 1796: 152. Type species: *Tipula phalaenoides* Linnaeus, 1758, subs. mon.
 Latreille, 1802: 424.

- ablucens** Quate & Quate, 1967: 192. Indonesia (Irian Jaya).
absidata Quate & Quate, 1967: 197. Indonesia (Irian Jaya).
acanthostyla Tokunaga, 1957: 53. Taiwan; Guam, Indonesia (Irian Jaya), Micronesia, PNG (Bismarck Arch, PNG); widesp. Oriental Reg.
acutilamina Quate, 1959: 463. Micronesia; Belau.
acutipennis Tonnoir, 1920: 149. NZ (Bounty Is); NZ (Antipodes Is).
aderces Quate, 1962a: 66. Malaysia (Sabah); Indonesia (Irian Jaya), PNG (PNG); Philippines.
adumbrata Satchell, 1953b: 181. Western Samoa; Micronesia, Indonesia (Irian Jaya), PNG (PNG).
adyscheres Quate, 1959: 482. Micronesia.
alabangensis del Rosario, 1936: 566. Philippines; Guam, Indonesia (Irian Jaya), Micronesia, PNG (PNG); India, Malaysia (Sarawak), Trinidad.
ichthycerca Quate, 1959: 472. Micronesia.
albescens Quate & Quate, 1967: 159. Indonesia (Irian Jaya); PNG (Bougainville I, PNG).
albipennis Zetterstedt – not Australasian/Oceanian.
alia Quate, 1962a: 61. Malaysia (Sabah); Indonesia (Irian Jaya), PNG (PNG); Philippines.
allodapa Quate, 1959: 483. Bonin Is.
alternata Say, 1824: 358. USA; widesp. Australasian/Oceanian Regs.; cosmopol.
conspicillata Hutton, 1881: 13. NZ (NZ).
alveata Quate & Quate, 1967: 164. Indonesia (Irian Jaya); PNG (PNG).
annectans Quate & Quate, 1967: 199. Indonesia (Irian Jaya); PNG (PNG).
apennata Satchell, 1953c: 388. Australia (Tas); Australia (Vic).
aponesos Quate, 1959: 465. Micronesia; American Samoa, Indonesia (Irian Jaya), PNG (Bismarck Arch, Bougainville I, PNG); widesp. Oriental Reg.
arcuata Satchell, 1953c: 385. Australia (Tas).
barbigera Quate & Quate, 1967: 206. Indonesia (Irian Jaya).
blandita Quate & Quate, 1967: 204. Indonesia (Irian Jaya).
bitrunculens Quate & Quate, 1967: 193. Indonesia (Irian Jaya).
bojata Quate & Quate, 1967: 205. Indonesia (Irian Jaya).
brachyptera Quate, 1964: 281. NZ (Campbell I).
brassi Quate & Quate, 1967: 193. PNG (PNG); Indonesia (Irian Jaya).
campbellica Quate, 1964: 284. NZ (Campbell I).
caudata Quate, 1962a: 68. Malaysia (Sabah); Indonesia (Irian Jaya), PNG (PNG); Philippines.
cetreta Quate & Quate, 1967: 172. PNG (Bougainville I); PNG (Bismarck Arch).
cinerea Banks, 1894: 331. USA; Australia (SA), NZ (NZ).
cochlearia Satchell, 1950b: 181. Fiji; Belau, Micronesia; Malaysia (Sabah).
concinna Quate & Quate, 1967: 178. Indonesia (Irian Jaya).
crenula Quate, 1962a: 55. Malaysia (Sabah); Indonesia (Irian Jaya), PNG (PNG); Ryukyu Is.
cristata Duckhouse, 1966: 201. Australia (Vic).
debilis Quate & Quate, 1967: 209. PNG (PNG).
dennesi Satchell, 1953c: 375. Australia (Qld).
disacca Duckhouse, 1966: 204. Australia (Vic).
dissidens Quate & Quate, 1967: 169. PNG (PNG).
duaspica Quate & Quate, 1967: 195. Indonesia (Irian Jaya).
echinata Quate & Quate, 1967: 177. Indonesia (Irian Jaya); PNG (PNG).
eremita Quate, 1964: 286. NZ (Campbell I); NZ (Antipodes Is, Auckland Is).
erratilis Quate & Quate, 1967: 201. Indonesia (Irian Jaya); PNG (PNG).
exigua Quate & Quate, 1967: 208. Indonesia (Irian Jaya).
exilis Quate & Quate, 1967: 210. Indonesia (Irian Jaya); PNG (PNG).
floropsis Quate & Quate, 1967: 195. Indonesia (Irian Jaya); PNG (PNG).
formosa Satchell, 1954: 487. NZ (NZ).
furcillata Quate & Quate, 1967: 155. Indonesia (Irian Jaya); PNG (PNG).
gemella Quate & Quate, 1967: 171. Indonesia (Irian Jaya).
gracicaulis Quate & Quate, 1967: 206. Indonesia (Irian Jaya); PNG (PNG).

- gracilipenis** Duckhouse, 1966: 201. Australia (Vic).
gressitti Quate, 1959: 481. Micronesia.
guamensis Quate, 1959: 479 (*quadrifilis* ssp.). Philippines; Guam, Indonesia (Irian Jaya), PNG (Bismarck Arch).
harrisi Satchell, 1950a: 171. NZ (NZ); S Australia, Indonesia (Irian Jaya), PNG (Bismarck Arch, PNG), widesp. Pacific; India, Malaysia (Sabah), Philippines, Ryukyu Is.
hamatifera Tokunaga, 1958: 385. Ryukyu Is.
hastata Quate & Quate, 1967: 180. Indonesia (Irian Jaya); PNG (PNG).
hemiorcula Quate, 1959: 463. Micronesia; Belau.
hespera Quate, 1959: 477 (*quadrifilis* ssp.). Micronesia; Belau.
inaequalis Satchell, 1950a: 174. NZ (NZ).
inornata Grimshaw, 1901: 6. Hawaiian Is.
innotabilis Quate, 1962a: 72. Malaysia (Sabah); Indonesia (Irian Jaya), PNG (Bismarck Arch, PNG); Philippines, Ryukyu Is.
kalabanica Quate, 1962a: 57. Malaysia (Sabah); Indonesia (Irian Jaya), PNG (Bismarck Arch, PNG).
lamina Quate & Quate, 1967: 201. Indonesia (Irian Jaya).
lloydii Satchell, 1950a: 172. NZ (NZ).
longiseta Tokunaga & Komyo, 1955: 313. Japan; Bonin Is.
lucubrans Quate, 1959: 467. Belau.
macispina Quate & Quate, 1967: 167. Indonesia (Irian Jaya).
magnipalpus Quate, 1960a: 436. American Samoa.
makati del Rosario, 1936: 568. Philippines; N Australia, Cook Is, Fiji, Indonesia (Irian Jaya), PNG (PNG), Western Samoa; India, Malaysia (Pen, Sabah), Taiwan.
infurcis Satchell, 1950b: 180. Fiji.
malleopenis Satchell, 1953b: 182. Western Samoa.
mediocris Quate, 1959: 468. Belau; Indonesia (Irian Jaya), Micronesia, PNG (Bismarck Arch, PNG); India, Malaysia (Sabah), Philippines.
mirabilis Quate & Quate, 1967: 161. PNG (PNG).
monticola Quate & Quate, 1967: 164. PNG (PNG).
mundula Duckhouse, 1966: 199. Australia (SA).
neoformosana Duckhouse, 1966: 209. Australia (Vic); Australia (NSW, Tas).
nigripennis Brunetti – not Australasian/Oceanian.
nolana Quate & Quate, 1967: 188. Indonesia (Irian Jaya).
novaezealandica Satchell, 1950a: 170. NZ (NZ).
occulata Quate & Quate, 1967: 160. Indonesia (Irian Jaya).
oculifera Quate & Quate, 1967: 180. Indonesia (Irian Jaya).
ochra Quate, 1959: 480. Micronesia; American Samoa, Belau, Fiji, Indonesia (Irian Jaya), PNG (Bismarck Arch, Bougainville I, PNG); Malaysia (Sabah).
pacilens Quate & Quate, 1967: 202. Indonesia (Irian Jaya); PNG (PNG).
pala Quate & Quate, 1967: 182. Indonesia (Irian Jaya); PNG (PNG).
paraderces Quate, 1962a: 66. Malaysia (Sabah); Indonesia (Irian Jaya), PNG (Bismarck Arch, PNG); Philippines.
paraguadens Quate & Quate, 1967: 171. Indonesia (Irian Jaya).
paraloba Quate & Quate, 1967: 157. Indonesia (Irian Jaya).
parsivena Quate, 1959: 469. Micronesia; Belau, Indonesia (Irian Jaya), PNG (Bismarck Arch, PNG); Malaysia (Sabah), Philippines.
parthenogenetica Tonnoir, 1940: 53 (*severini* ssp.). Europe; Australia (SA), NZ (Campbell I, NZ); Azores, Japan, Juan Fernandez Is, Subantarctic Is, Afrotrop. Reg.
pellucida Quate, 1962b: 230. Malaysia (Pen); Indonesia (Irian Jaya); Malaysia (Sabah), Philippines, Taiwan.
alabangensis, Tokunaga, 1957, not del Rosario, 1936, misid.
penicillata Satchell, 1950a: 176. NZ (NZ); widesp. S Australia; S Africa, St. Helena.
phalaenoides Linnaeus – not Australasian/Oceanian.

- pinguicula** Quate & Quate, 1967: 199. Indonesia (Irian Jaya); PNG (PNG).
- plaesia** Quate, 1959: 461. Bonin Is; Belau, Micronesia.
- platilobata** Tokunaga, 1957: 65. Taiwan; Indonesia (Irian Jaya); Jamaica, Malaysia (Sabah), Philippines, Trinidad.
- plutea** Quate & Quate, 1967: 155. Indonesia (Irian Jaya).
- pseudalternata** Williams, 1946: 637. Hawaiian Is; widesp. Australia, NZ (NZ), PNG (PNG).
pseudalternata Bryan, 1940: 370. *Nomen nudum*.
pseudalternata Swezey, 1940: 374. *Nomen nudum*.
pseudalternata Williams, 1943: 326, 334, 336. *Nomen nudum*.
pseudoalternata, error for *pseudalternata*.
- pulchrima** Satchell, 1954: 485. NZ (NZ); NZ (Auckland Is, Campbell I).
- quadrata** Quate & Quate, 1967: 187. Indonesia (Irian Jaya); PNG (PNG).
- quadricornis** Quate & Quate, 1967: 185. PNG (PNG).
- quadrifilis** Edwards, 1928c: 73. Western Samoa; Fiji, Hawaiian Is, Marshall Is, Micronesia, Tonga.
hardyi Quate, 1954: 348. Hawaiian Is.
- quadrilosa** Quate & Quate, 1967: 184. Indonesia (Irian Jaya); PNG (PNG).
- quadropsis** Quate & Quate, 1967: 185. Indonesia (Irian Jaya).
- remata** Quate & Quate, 1967: 157. Indonesia (Irian Jaya).
- rhinocera** Quate & Quate, 1967: 163. PNG (PNG).
- rhipsalis** Quate & Quate, 1967: 192. Indonesia (Irian Jaya).
- rosetta** Quate & Quate, 1967: 166. Indonesia (Irian Jaya).
- salicornia** Quate, 1954: 350. USA; Australia (NSW), Hawaiian Is.
- savaiiensis** Edwards, 1928c: 74. Western Samoa; Cook Is, Fiji, Hawaiian Is, Indonesia (Irian Jaya), PNG (Bismarck Arch, Bougainville I, PNG); USA, West Indies.
rarotongensis Satchell, 1953b: 183. Cook Is.
lucia Quate, 1954: 349. Hawaiian Is.
- sectiga** Quate & Quate, 1967: 174. Indonesia (Irian Jaya); PNG (PNG).
- serpentina** Quate, 1965a: 895. Philippines; Indonesia (Irian Jaya), PNG (PNG).
- setistyla** Satchell, 1950a: 169. NZ (NZ).
- sibilica** Quate & Quate, 1967: 153. Indonesia (Irian Jaya); PNG (PNG).
- sigma** Kincaid, 1899: 31. USA; Hawaiian Is.
- simplex** Satchell, 1954: 489. NZ (NZ).
- solivaga** Duckhouse, 1971: 320. NZ (Auckland Is).
- spectabilis** Quate & Quate, 1967: 208. Indonesia (Irian Jaya); PNG (PNG).
- sphelata** Quate & Quate, 1967: 202. Indonesia (Irian Jaya).
- spicula** Quate & Quate, 1967: 157. Indonesia (Irian Jaya).
- spinacia** Quate & Quate, 1967: 175. Indonesia (Irian Jaya); PNG (PNG).
- spinipeltata** Quate & Quate, 1967: 169. Indonesia (Irian Jaya); PNG (PNG).
- squamata** Satchell, 1953c: 384. Australia (Tas); Australia (Vic).
- squamipleuris** Satchell, 1953c: 386. Australia (ACT); Australia (NSW, SA, Tas, Vic, WA).
- squamulata** Satchell, 1950a: 174. NZ (NZ).
- subpennata** Satchell, 1953c: 382. Australia (NSW); Australia (Tas, Vic).
- surcoufi** Tonnoir, 1922: 74. France; Australia (SA, Vic), NZ (Antipodes Is, Auckland Is, Campbell I, NZ (NZ), Macquarie I; Chile, St. Helena.
subimmaculata Tonnoir, 1929a: 6. Chile.
spatulata Satchell, 1950a: 166. NZ (NZ).
- triaciculata** Satchell, 1950a: 172. NZ (NZ); NZ (Auckland Is).
- tridens** Satchell, 1954: 489. NZ (NZ).
- truncata** Satchell, 1953c: 381. Australia (Vic).
- tumorsa** Quate & Quate, 1967: 174. Indonesia (Irian Jaya); PNG (Bismarck Arch, PNG).
- uncinula** Quate, 1954: 355. Hawaiian Is.
- vagabunda** Quate, 1962a: 61. Sri Lanka; Indonesia (Irian Jaya), PNG (Bismarck Arch, PNG); Malaysia (Pen, Sabah), Philippines.

- formosiensis*, Quate, 1962, not Tokunaga, 1957, misid.
vesca Quate & Quate, 1967: 178. Indonesia (Irian Jaya).
wattsi Duckhouse, 1966: 213. Australia (SA).
williamsi Quate, 1954: 352. Hawaiian Is.
cinerea, Hardy, 1952, not Banks, 1894, misid.
wilsoni Quate & Quate, 1967: 161. Indonesia (Irian Jaya); PNG (PNG).
wirthi Quate, 1954: 346. Hawaiian Is.
yapensis Quate, 1959: 474. Micronesia; American Samoa, Belau, PNG (Bismarck Arch).
ypsilon Satchell, 1953c: 389. Australia (Tas); Australia (NSW, Vic).
zonata Satchell, 1950a: 167. NZ (NZ).

Genus THRETICUS Eaton

- THRETICUS** Eaton, 1904: 57. Type species: *Pericoma lucifuga* Walker, 1856, des. Enderlein, 1935b: 249.
aenigmaticus Satchell, 1953c: 376 (*Psychoda*). Australia (Tas); Australia (NSW, SA, Vic, WA).
fissiceps Quate & Quate, 1967: 145. Indonesia (Irian Jaya).
irroratus Satchell, 1953c: 379 (*Psychoda*). Australia (Tas); Australia (NSW, Vic).
philpotti Satchell, 1950a: 175 (*Psychoda*). NZ (NZ).
tortuosus Duckhouse, 1971: 319. NZ (Auckland Is).
unimaculatus Satchell, 1953c: 378 (*Psychoda*). Australia (Tas).

Genus TRICHOPSYCHODA Tonnoir

- TRICHOPSYCHODA** Tonnoir, 1922: 59 (*Psychoda* subg.). Type species: *Psychoda hirtella* Tonnoir, 1919, orig. des.
binodata Quate & Quate, 1967: 135. Indonesia (Irian Jaya).
boninensis Quate, 1959: 458. Bonin Is.
carolinensis Quate, 1959: 457. Micronesia.
clavata Quate & Quate, 1967: 133. Indonesia (Irian Jaya); PNG (PNG).
insulicola Quate, 1954: 342 (*Psychoda*). Hawaiian Is.
montana Satchell, 1953c: 391. Australia (NSW); Australia (Tas, Vic).
pollex Quate & Quate, 1967: 135. PNG (PNG).
spicata Quate & Quate, 1967: 133. Indonesia (Irian Jaya); PNG (PNG).

Subfamily PHLEBOTOMINAE

(by D.J. Lewis)

Genus PHLEBOTOMUS Rondani & Berté

- PHLEBOTOMUS** Rondani & Berté in Rondani, 1840a: 12. Invalid orig. spell. of *Phlebotomus*. [See I.C.Z.N., 1954b: 201.]
PHLEBOTOMUS Rondani & Berté in Rondani, 1840a: 12 (as *Flebotomus*) [emended spelling fixed by I.C.Z.N., 1954b: 199.] Type species: *Bibio papatasi* Scopoli, 1786, mon.

Subgenus AUSTRALOPHLEBOTOMUS Theodor

- AUSTRALOPHLEBOTOMUS** Theodor, 1948: 99. Type species: *Phlebotomus brevifilis* Tonnoir, 1935, orig. des.
acuminatus Lewis & Dyce, 1982: 40. Australia (NT).
brevifilis Tonnoir, 1935a: 145. Australia (NSW); Australia (Qld, SA, Vic).
brevifiloides Fairchild, 1952: 194. Australia (NSW); Australia (ACT, NT, SA, Vic).
buccinator Fairchild, 1952: 194. Australia (Qld).
mackerrasi Lewis & Dyce, 1982: 46. Australia (NT); Australia (Qld).

papuensis Fairchild, 1952: 200. PNG (PNG).
pexopharynx Fairchild, 1952: 196. Australia (Qld).
trifilis Quate & Quate, 1967: 11. Indonesia (Irian Jaya).

Subgenus IDIOPHLEBOTOMUS Quate & Fairchild

IDIOPHLEBOTOMUS Quate & Fairchild, 1961: 208. Type species: *Phlebotomus asperulus* Quate & Fairchild, 1961, orig. des.
wellingsae Lewis & Dyce, 1983: 226. Australia (Qld).

Genus SERGENTOMYIA França & Parrot

NEWSTEADIA França, 1919: 148. Type species: *Phlebotomus minutus* Rondani, 1843 (as *Hebotomus*), des. França, 1920: 234. [Preocc. Green, 1902.]
SERGENTOMYIA França & Parrot, 1920: 699 (n. n. for *Newsteadia*).

Subgenus NEOPHLEBOTOMUS França & Parrot

NEOPHLEBOTOMUS França & Parrot, 1920: 699 (*Phlebotomus* subg.). Type species: *Phlebotomus malabaricus* Annandale, 1910, orig. des.
hoogstraali Fairchild, 1952: 202 (*Phlebotomus*). Indonesia (Irian Jaya); Australia (NT, Qld, WA), PNG (PNG).

Subgenus PARROTOMYIA Theodor

PARROTOMYIA Theodor, 1958: 42. Type species: *Phlebotomus africanus* Newstead, 1912, orig. des.
coronata Quate & Quate, 1967: 15 (*Phlebotomus*). Indonesia (Irian Jaya); PNG (PNG).
crypta Quate & Quate, 1967: 24 (*Phlebotomus*). Indonesia (Irian Jaya).
curvata Lewis & Dyce, 1983: 226. Australia (Qld).
dolichobyssa Fairchild, 1952: 202 (*Phlebotomus*). Indonesia (Irian Jaya); PNG (PNG).
englishae Tonnoir, 1935a: 144 (*Phlebotomus*; as *englishi*). Australia (NSW); widesp. Australia (excl. ACT, Tas), PNG (PNG).
 ssp. **englishae** s. str. Australia (NSW); widesp. Australia.
 ssp. **moresbyi** Fairchild, 1952: 201 (*Phlebotomus*). PNG (PNG).
kebarica Quate & Quate, 1967: 29 (*Phlebotomus*). Indonesia (Irian Jaya).
queenslandi Hill, 1923: 83 (*Phlebotomus*). Australia (Qld); Australia (NSW, NT, SA, Vic, WA), Indonesia (Irian Jaya), PNG (PNG); Indonesia (Timor).
meridionalis Tonnoir, 1935a: 142 (*Phlebotomus queenslandi* ssp.). Australia (NSW). [Preocc. Pierantoni, 1925.]
sansaporensis Fairchild, 1952: 207 (*Phlebotomus*). Indonesia (Irian Jaya).
spinosior Quate & Quate, 1967: 15 (*Phlebotomus*). Indonesia (Irian Jaya).
trezkinni Lewis & Dyce, 1983: 228. Australia (Qld).

Unplaced species of Sergentomyia França & Parrot

brachycornuta Fairchild, 1952: 204 (*Phlebotomus*). Indonesia (Irian Jaya).
cidaria Quate & Quate, 1967: 22 (*Phlebotomus*). PNG (PNG).
curtata Quate & Quate, 1967: 26 (*Phlebotomus*). Indonesia (Irian Jaya); PNG (PNG).
fergusoni Fairchild, 1952: 204 (*Phlebotomus*). Indonesia (Irian Jaya); PNG (PNG).
noemforensis Fairchild, 1952: 207 (*Phlebotomus*). Indonesia (Irian Jaya).
quintus Fairchild, 1952: 207 (*Phlebotomus*). Indonesia (Irian Jaya); PNG (PNG).
sibylas Quate & Quate, 1967: 14 (*Phlebotomus*). Indonesia (Irian Jaya).
vanella Quate & Quate, 1967: 19 (*Phlebotomus*). Indonesia (Irian Jaya); Australia (NT, Qld), PNG (PNG).