

Superfamily SCATOPSOIDEA

17. Family SCATOPSIDAE*

By Edwin F. Cook

The Scatopsidae are generally small, usually black, flies ranging in size from ca 0.6 mm to nearly 5 mm. The immature stages of only 5 or 6 species are known, and the life cycle of only 1 species has been described in any detail (Meade & Cook 1961). The immature stages of 2 cosmopolitan species (*Scatopse notata* and *Coboldia fuscipes*) occur in a wide diversity of decaying plant and animal material such as cannery and winery waste as well as bird and mammal excreta. Other species have only been found in decaying plant material (under bark of dying trees). A number have been collected in emergence traps placed in

a peat bog in Europe. Adults have been found at the flowers of some Apiaceae and Staphyleaceae. The family is found on all continents.

There are about 255 species contained in 4 subfamilies and 27 genera and subgenera presently recognized in the world. Of the 4 subfamilies in this family, only 2 are present in the Australasian/Oceanian Regions. There are many presently undescribed species in South America and doubtless more to be discovered on every continent.

Ref.: Cook (1971, keys, cat., rev.).

Subfamily PSECTROSCIARINAE

Genus ANAPAUSIS Enderlein

ANAPAUSIS Enderlein, 1912d: 278. Type species: *Scatopse soluta* Loew, 1846, orig. des.
apiocybe Cook, 1977: 451. Australia (NSW).
conspicua Cook, 1971: 68. Australia (NSW).
irritata Cook, 1971: 69. Australia (NSW).

Genus PSECTROSCIARA Kieffer

PSECTROSCIARA Kieffer in Enderlein, 1911c: 192 [Kieffer, 1912e: 192]. Type species: *Psectrosciara mahensis* Kieffer, 1911 [= *Scatopse brunnescens* Brunetti, 1911], mon.
brevicornis Johannsen, 1946: 188. Guam; Hawaiian Is, Northern Marianas.
dapsila Cook, 1971: 63. Australia (WA).
elachys Cook, 1971: 64. Australia (Qld).
minor Cook, 1971: 65. Australia (Vic).
nitida Cook, 1971: 65. Australia (NSW).
novoguiniensis Duda, 1928b: 271. PNG (PNG).
rava Cook, 1971: 66. Australia (Qld).

Subfamily SCATOPSINAE

Tribe RHEGMOCLEMATINI

Genus DIAMPHIDICUS Cook

DIAMPHIDICUS Cook, 1971: 48. Type species: *Diamphidicus australis* Cook, 1971, orig. des.

*Paper Number 13,860 of the Scientific Journal Series of the Minnesota Agricultural Experiment Station on research conducted under Minnesota Agricultural Experiment Station Project No. MIN-17-015.

australis Cook, 1971: 49. Australia (ACT).

Genus RHEGMOCLEMA Enderlein

RHEGMOCLEMA Enderlein, 1912d: 276. Type species: *Rhegmoclema rufithorax* Enderlein, 1912, orig. des.

angustipenne Cook, 1971: 33. Australia (NSW).

bifurcatum Cook, 1971: 33. Australia (NSW).

cerinum Cook, 1971: 34. Australia (WA).

collessi Cook, 1971: 35. Australia (Qld).

hardyi Cook, 1968: 414. PNG (Bismarck Arch).

hirtipenne Cook, 1971: 36. Australia (NSW).

macrokylum Cook, 1971: 37. Australia (Qld).

madarum Cook, 1971: 38. Australia (Qld).

noscum Cook, 1971: 39. Australia (NSW).

pallidum Cook, 1971: 40. Australia (Qld).

parcum Cook, 1971: 41. Australia (Qld).

pleonasmon Cook, 1971: 43. Australia (Qld).

rarum Cook, 1971: 42. Australia (Qld).

spatulatum Cook, 1971: 42. Australia (Qld); Australia (NSW).

Genus RHEGMOCLEMINA Enderlein

RHEGMOCLEMINA Enderlein, 1936f: 55. Type species: *Scatopse vaginata* Lundström, 1910, mon.

Subgenus AUSTROCLEMINA Cook

AUSTROCLEMINA Cook, 1971: 44. Type species: *Rhegmoclemina batilliformia* Cook, 1971, orig. des.

batilliformia Cook, 1971: 45. Australia (NSW); Australia (SA).

eximia Cook, 1971: 47. Australia (Vic).

teretis Cook, 1971: 46. Australia (ACT); Australia (NSW).

Unplaced species of *Rhegmoclemina* Enderlein

parvula Hardy, 1957a: 96. Micronesia; Hawaiian Is.

Genus PARMAFERIA Cook

PARMAFERIA Cook, 1977: 447. Type species: *Parmaferia pectinata* Cook, 1976, orig. des.

dentata Cook, 1977: 449. PNG (PNG).

pectinata Cook, 1977: 448. PNG (PNG).

Tribe SCATOPSINI

Genus SCATOPSE Geoffroy

SCATOPSE Geoffroy, 1762: 450. Type species: *Tipula albipennis* Fabricius, 1794 [= *Tipula notata* Linnaeus, 1758], des. Latrille, 1810: 442. [Conserved by I.C.Z.N., 1957: 86.]

SCATHOPSE. Incorr. orig. spell. of *Scatopse* (Geoffroy, 1762: 544). [Rejected by I.C.Z.N., 1957: 86.]

SCATOPS, error for *Scatopse*.

notata Linnaeus, 1758: 588 (*Tipula*). "Europa"; widesp. Australia, ?Hawaiian Is; Subantarctic Is; Nearctic, Neotrop., Palearctic Regs.

longipennis Skuse, 1889b: 1303. Australia (NSW).

Genus REICHERTELLA Enderlein

REICHERTELLA Enderlein, 1912d: 268. Type species: *Scatopse femoralis* Meigen, 1838 [misid., = *Scatops niger* Meigen, 1804], orig. des.

Subgenus PHARSOREICHERTELLA Cook

PHARSOREICHERTELLA Cook, 1974: 82. Type species: *Scatopse simplicinervis* Duda, 1928, orig. des. *forcipata* Cook, 1971: 8. Australia (ACT); Australia (NSW, Vic).

Genus COLOBOSTEMA Enderlein

COLOBOSTEMA Enderlein, 1926a: 140. Type species: *Colobostema oldenbergi* Enderlein, 1926 [= *Scatopse tristis* Zetterstedt, 1850], orig. des.

- abbreviatum* Cook, 1971: 12. Australia (Qld).
albipharsum Cook, 1971: 12. Australia (Qld).
bihastatum Cook, 1971: 13. Australia (ACT); Australia (NSW).
caudiculum Cook, 1971: 15. Australia (NSW).
communi Cook, 1971: 15. Australia (NSW).
cyclum Cook, 1971: 17. Australia (Qld).
dilemmum Cook, 1971: 17. Australia (NSW).
diversum Cook, 1971: 18. Australia (ACT); Australia (WA).
 ssp. *diversum* s. str. Australia (ACT).
 ssp. *wallacei* Cook, 1971: 19. Australia (WA).
fumipenne Enderlein, 1926a: 141. PNG (PNG).
hirsutum Cook, 1971: 20. Australia (Qld).
metarhamphe Cook, 1971: 20. Australia (NSW); Australia (Qld).
nocturnale Cook, 1968: 415. PNG (Bismarck Arch).
occabipes Cook, 1971: 22. Australia (NSW); Australia (Qld).
occidentale Cook, 1971: 22. Australia (WA); Australia (ACT).
 ssp. *occidentale* s. str. Australia (WA).
 ssp. *tonnoiri* Cook, 1971: 24. Australia (ACT).
paracyclum Cook, 1971: 24. Australia (Vic).
retusum Cook, 1971: 25. Australia (ACT).
rhamphe Cook, 1971: 26. Australia (ACT); Australia (NSW, Qld, Vic).
tribulosum Cook, 1971: 27. Australia (Qld).
truncatum Cook, 1971: 28. Australia (Qld); Australia (NSW).

Genus FERNEIELLA Cook

FERNEIELLA Cook, 1974: 87. Unavailable name; genus-group name proposed after 1930 without type-species designation.

FERNEIELLA Cook in Freeman, 1985: 42. Type species: *Scatopse incompleta* Verrall, 1886, orig. des. [Later designation by Krivosheina & Haenni (1986: 305) invalid.]

angusta Cook, 1977: 451. Australia (NSW).

Genus HOLOPLAGIA Enderlein

HOLOPLAGIA Enderlein, 1912d: 267. Type species: *Holoplagia transversalis* Loew, 1846 [misid., = *Scatopse lucifuga* Loew, 1870], orig. des.

guamensis Johannsen, 1946: 187 (*Scatopse*). Guam; Hawaiian Is, Marshall Is, Micronesia.

parallelinervis Duda, 1928b: 269. PNG (PNG).

Genus HAWOMERSLEYA Cook

HAWOMERSLEYA Cook, 1971: 29. Type species: *Scatopse aptera* Womersley, 1942, orig. des. *aptera* Womersley, 1942: 74. Australia (SA); Australia (ACT).

Tribe SWAMMERDAMELLINI**Genus SWAMMERDAMELLA Enderlein**

SWAMMERDAMELLA Enderlein, 1912d: 265. Type species: *Scatopse brevicornis* Meigen, 1830, orig. des.

albimana Edwards, 1924f: 571. Fiji; Niue.

araia Cook, 1971: 51. Australia (Qld).

arthmia Cook, 1971: 52. Australia (Tas); Australia (ACT).

crenata Cook, 1971: 53. Australia (NSW); Australia (ACT).

richmondensis Skuse, 1890d: 639 (*Scatops*). Australia (NSW); Australia (Qld).

sessionis Cook, 1971: 55. Australia (NSW); Australia (ACT).

stenotis Cook, 1971: 56. Australia (NSW); Australia (ACT).

therisa Cook, 1971: 57. Australia (Vic); Australia (ACT, NSW, SA, Tas).

Genus COBOLDIA Melander

COLBOLDIA Melander, 1916: 17. Type species: *Colboldia formicarum* Melander, 1916 [= *Scatopse fuscipes* Meigen, 1830], orig. des.

fuscipes Meigen, 1830: 314 (*Scatopse*). Not given [Germany]; Australia (ACT, NSW, Qld, SA, Vic, WA), Hawaiian Is, Norfolk I; cosmopol.

fenestralis Skuse, 1889b: 1384 (*Scatops*). Australia (NSW).

acuticornis Enderlein, 1926a: 139. Australia (Vic).

atrata, authors, not Say, 1824, misid.

Genus RHEXOZA Enderlein

RHEXOZA Enderlein, 1936f: 55. Type species: *Rhexoza zacheri* Enderlein, 1936 [= *Scatopse submitens* Verrall, 1886], mon.

RHEXOSA, error for *Rhexoza*.

chelata Cook, 1971: 60. Australia (NSW).

senticosa Cook, 1971: 59. Australia (Qld).

Unplaced species of Scatopsidae

nicarbonaria Miller, 1950: 62 (*Scatopse*; n. n. for *carbonaria* Hutton). NZ (NZ).

carbonaria Hutton, 1902b: 194 (*Scatopse*). NZ (NZ). [Preocc. Philippi, 1865.]