

## Superfamily SCATOPSOIDEA

### 17. Family SCATOPSIDAE\*

By Edwin F. Cook

**T**he 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, 1912*d*: 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, 1911*c*: 192 [Kieffer, 1912*e*: 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, 1928*b*: 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.

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*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. Latreille, 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).  
**commoni** 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 subnitens* 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.]