

38. Family SCENOPINIDAE*

By Lewis P. Kelsey

The family Scenopinidae is distributed worldwide and currently includes nearly 400 described species. The Australasian/Oceanian fauna contains 86 species, mostly from Australia. Six of the 17 known genera are found in the Australasian/Oceanian Regions, including 2 worldwide genera (*Scenopinus*, *Metatrichia*) and 4 genera endemic to Australia (*Neopseudatrichia*, *Paramonova*, *Paratrichia*, *Riekiella*).

Most of the species represented have a rather limited distributional pattern restricted at or near the type locality. However, there are 4 species with wide distributions undoubtedly associated with the movement of trade goods (*Scenopinus fenestralis* and *S. glabifrons* are cosmopolitan, *S. lucidus* is from Egypt, Nigeria, and the Hawaiian Islands, and *S. papuanus* is from Hawaii, Taiwan, New Guinea, and Sri Lanka).

Very little is known of the larval biology except that they seem to be predators of other insects. Larvae have been found associated with stored-grain pests, in nests of birds and rodents, in burrows of beetle larvae attacking a rather wide range of trees and shrubs, and in soil in association with therevid larvae, which they closely resemble. Adults are taken in the field by sweeping flowers with open nectaries that are accessible to the sponging mouthparts of the adult. In buildings they are taken at windows, giving rise to the common name "window flies" for species of this family.

Refs.: Kelsey (1969, 1970*a,b*, 1987, rev., keys), Paramonov (1955*g*, syst., biol.), Krivosheina (1980, biol.).

Genus METATRICHIA Coquillett

METATRICHIA Coquillett, 1900*d*: 500. Type species: *Scenopinus bulbosa* Osten Sacken, 1877, orig. des.

papuanus Kelsey, 1970*a*: 44. PNG (PNG).

waterhousei Paramonov, 1955*g*: 640 (*Pseudomphrale*). Australia (NSW).

Genus NEOPSEUDATRICHIA Kelsey

NEOPSEUDATRICHIA Kelsey, 1969: 299. Type species: *Neopseudatrichia kewi* Kelsey, 1969, orig. des. **canei** Kelsey, 1969: 200. Australia (SA).

mariaensis, Paramonov, 1955, not Hardy, 1933, misid.

inglewoodi Kelsey, 1970*b*: 141. Australia (Qld).

kewi Kelsey, 1969: 300. Australia (ACT); Australia (NSW).

mariaensis Hardy, 1933*b*: 419 (*Pseudatrichia*). Australia (Tas). **N. comb.**

monteithi Kelsey, 1970*b*: 144. Australia (Qld); Australia (NSW).

Genus PARAMONOVA Kelsey

PARAMONOVA Kelsey, 1970*b*: 125. Type species: *Riekiella quadrifida* Kelsey, 1969, orig. des.

arila Kelsey, 1987: 10. Australia (Qld).

brevipalpa Kelsey, 1970*b*: 127. Australia (NSW).

bungabandii Kelsey, 1975: 205. Australia (WA).

burrijunana Kelsey, 1987: 11. Australia (WA).

bushi Kelsey, 1971: 203. Australia (WA).

collessi Kelsey, 1969: 307 (*Riekiella*). Australia (NSW). **N. comb.**

*Published as Miscellaneous Paper No. 1146 of the Delaware Agricultural Experiment Station, Contribution No. 573 of the Department of Entomology and Applied Ecology, University of Delaware, Newark, Delaware.

complexa Kelsey, 1969: 309 (*Riekiella*). Australia (ACT). **N. comb.**
dycei Kelsey, 1969: 310 (*Riekiella*). Australia (NSW). **N. comb.**
emarginata Kelsey, 1970b: 129 (*Riekiella*). Australia (WA).
fonsamnicula Kelsey, 1980: 9. Australia (NSW).
hamata Kelsey, 1980: 10. Australia (NSW).
mangara Kelsey, 1987: 12. Australia (WA)
poocherania Kelsey, 1987: 13. Australia (SA).
quadrifida Kelsey, 1969: 313 (*Riekiella*). Australia (Qld). **N. comb.**
taylori Kelsey, 1969: 315 (*Riekiella*). Australia (Vic). **N. comb.**
uncata Kelsey, 1969: 315 (*Riekiella*). Australia (NSW). **N. comb.**
zentaе Kelsey, 1975: 207. Australia (SA).

Genus PARATRICHIA Kelsey

PARATRICHIA Kelsey, 1969: 320. Type species: *Paratrichia lobosa* Kelsey, 1969, orig. des.
lobosa Kelsey, 1969: 320. Australia (ACT).
spicata Kelsey, 1975: 208. Australia (WA).
westralica Paramonov, 1955g: 419 (*Pseudomphrale*). Australia (WA). **N. comb.**

Genus RIEKIELLA Paramonov

RIEKIELLA Paramonov, 1955g: 652. Type species: *Riekiella bicornis* Paramonov, 1955, orig. des.
arilinga Kelsey, 1987: 16. Australia (WA)
arnheimi Kelsey, 1975: 210. Australia (NT).
bicornis Paramonov, 1955g: 653. Australia (Qld).
binnaliweanda Kelsey, 1987: 18. Australia (WA).
bolgarti Kelsey, 1969: 55 (*Scenopinus*). Australia (WA). **N. comb.**
burrimbaja Kelsey, 1987: 19. Australia (NT).
cetratra Kelsey, 1971: 196. Australia (NT).
cornuta Kelsey, 1971: 197. Australia (NT).
culbara Kelsey, 1987: 20. Australia (NT).
cuspidata Kelsey, 1971: 198. Australia (Qld).
denticulata Kelsey, 1971: 200. Australia (NT).
kilyalpa Kelsey, 1987: 21. Australia (WA).
longitermina Kelsey, 1975: 211. Australia (WA).
longiventris Kelsey, 1969: 312. Australia (WA).
malkana Kelsey, 1987: 22. Australia (WA).
maloga Kelsey, 1987: 23. Australia (WA).
murilla Kelsey, 1987: 24. Australia (WA).
nancyae Kelsey, 1987: 25. Australia (WA).
nicholsi Kelsey, 1971: 200. Australia (NT).
noona Kelsey, 1987: 27. Australia (WA).
rossi Kelsey, 1969: 123. Australia (WA).
rupari Kelsey, 1987: 27. Australia (WA).
tamala Kelsey, 1987: 29. Australia (WA).
woodwardi Kelsey, 1971: 201. Australia (NT).
yoota Kelsey, 1987: 30. Australia (WA).

Genus SCENOPINUS Latreille

OMPHRALE Meigen, 1800: 29. Suppressed by I.C.Z.N., 1963b: 339.
SCENOPINUS Latreille, 1802: 463. Type species: *Musca fenestralis* Linnaeus, 1758, mon.
SCENOPOEUS Agassiz, 1847: 333 (unjust. emend. of *Scenopinus*).
LUCIDOMPHRALE Kröber, 1937: 219. Type species: *Scenopinus lucida* Becker, 1902, orig. des.

- PAROMPHRALE* Kröber, 1937: 222. Type species: *Scenopinus glabrifrons* Meigen, 1824, orig. des.
SCENOPINULA Paramonov, 1955g: 651. Type species: *Scenopinula pallidipennis* Paramonov, 1955, mon.
- SCAENOPIUS*, error for *Scenopinus*.
- adventicius** Hardy, 1960: 329. Hawaiian Is.
adyeri Kelsey, 1987: 5. Australia (WA).
arrectus Kelsey, 1975: 198. Australia (WA)
ascensus Kelsey, 1987: 6. Australia (Qld).
bicuspis Kelsey, 1971: 185. Australia (NT).
biroi Kertész, 1899b: 173. PNG (PNG); Australia (NSW, Qld).
brittoni Kelsey, 1970: 111. Australia (WA).
casurarinus Kelsey, 1975: 200. Australia (NT).
cristafrons Kelsey, 1971: 186. Australia (NT).
darwini Kelsey, 1969: 64. Australia (NT).
dilkara Kelsey, 1987: 7. Australia (WA).
erugatus Kelsey, 1975: 201. Australia (WA).
fenestralis Linnaeus, 1758: 597 (*Musca*). "Europa"; Australia (Qld); cosmopol.
perkinsi, Paramonov, 1955, not Hardy, 1942, misid.
fijianus Kröber, 1939a: 399 (*Omphrale*). Fiji.
fragosifrons Kelsey, 1969: 68. Australia (WA).
glabrifrons Meigen, 1824: 114. Austria; Australia (NSW, Qld, WA); cosmopol.
civiculus Hardy, 1933b: 418. Australia (NSW & Qld & SA).
harleyi Kelsey, 1971: 187. Australia (Qld).
limbunyai Kelsey, 1971: 190. Australia (NT).
lucidus Becker, 1902: 39. Egypt; Hawaiian Is; Algeria, Christmas I (Indian Ocean), Afrotrop. Reg.
lunulanotafrons Kelsey, 1971: 191. Australia (NT).
mendumae Kelsey, 1971: 188. Australia (NT).
millarae Kelsey, 1971: 189. Australia (Qld).
minutus Kelsey, 1969: 78. Australia (NSW).
nakkari Kelsey, 1987: 8. Australia (WA).
norrisi Kelsey, 1969: 82. Australia (Qld).
pallidipennis Paramonov, 1955g: 651 (*Scenopinula*). Australia (NSW); Australia (SA). **N. comb.**
papuanus Kröber, 1912e: 25 (*Omphrale*). PNG (PNG) & Taiwan; Guam, Hawaiian Is, Northern Marianas; Christmas I (Indian Ocean), Cocos (Keeling) Is, Sri Lanka.
zeylanicus Senior-White, 1922a: 205. Sri Lanka.
niger, Grimshaw, 1901, not De Geer, 1776, misid.
perkinsi Hardy, 1942: 202. Australia (Qld); Australia (NSW).
renneri Kelsey, 1975: 204. Australia (NT).
sanfordi Kelsey, 1971: 192. Australia (NT).
spurrelli Kelsey, 1969: 90. Australia (Vic).
torrensianus Kelsey, 1980: 7. Australia (SA).
trigelasinus Kelsey, 1971: 194. Australia (NT).
triquetrus Kelsey, 1971: 192. Australia (NT).