

SUBORDER BRACHYCERA

Superfamily TABANOIDEA

27. Family PELECORHYNCHIDAE

By Greg Daniels

Originally placed in the Tabanidae, the genus *Pelecorhynchus* was transferred to its own family, Pelecorhynchidae, by Mackerras & Fuller (1942). *Pelecorhynchus* occurs in Australia and Chile. Philip (1965) proposed Bequaertomyiinae as a western Nearctic subfamily with the monotypic *Bequaertomyia* Brennan the sole representative. Teskey (1970) transferred the eastern Palearctic and western Nearctic *Glutops* Burgess from Coenomyidae to Pelecorhynchidae, mainly because of similarities of the larvae. Teskey (1981b) maintained that the 3 genera above belong in the family but pointed out that the systematics of this and other primitive brachycerous families is still unsettled.

Within Australia, *Pelecorhynchus* is distributed south from about Fraser Island, Queensland, to

the eastern highlands of New South Wales and Victoria, with small extensions to adjacent coastal areas, the highland massif of Tasmania, and the southwestern portion of Western Australia.

Adult pelecorhynchids are most often found either feeding from, or hovering around, blossoms of *Leptospermum* (Myrtaceae). In areas where suitable larval sites exist but which lack *Leptospermum*, adults can often be found hovering around *Eucryphia moorei* (Eucryphiaceae) blossoms, and much less often around blackberry blossoms, *Rubus vulgaris* (Rosaceae). Males of several species are known to frequent hilltops, where they defend small territories.

Refs.: Mackerras & Fuller (1942, key, Australian spp., immat. descrip.).

Genus PELECORHYNCHUS Macquart

- PELECORHYNCHUS** Macquart, 1850: 332(28). Type species: *Pelecorhynchus maculipennis* Macquart, 1850 [= *Silvius personatus* Walker, 1848], mon.
- CAENOPNYGA** Thomson, 1869: 449. Type species: *Caenopnyga maculipennis* Thomson, 1869 [= *Silvius personatus* Walker, 1848], mon.
- ARCHEOMYIA** Philip, 1941a: 3, 14. Type species: *Pelecorhynchus fulvus* Ricardo, 1910, orig. des.
- albolineatus** Hardy, 1918: 64. Australia (Tas).
- claripennis** Ricardo, 1910: 408. Australia (Vic); Australia (NSW).
- deuqueti** Hardy, 1920b: 38. Australia (NSW).
- distinctus** Taylor, 1918a: 53. Australia (NSW).
- eristoloides** Walker, 1848: 193 (*Silvius*). "New Holland"; Australia (Tas).
- fascipennis** Mackerras & Fuller, 1942: 65. Australia (NSW).
- fergusoni** Hardy, 1939a: 41. Australia (Qld); Australia (NSW).
- flavipennis** Ferguson, 1921b: 3. Australia (Vic); Australia (NSW).
- fulvus** Ricardo, 1910: 406. Australia (Vic); Australia (NSW, Qld).
- fusconiger** Walker, 1848: 192 (*Silvius*). Australia (Qld); Australia (NSW, Vic).
- ssp. **alpinensis** Mackerras & Fuller, 1942: 61. Australia (NSW).
- ssp. **fusconiger** s. str. Australia (Qld); Australia (NSW).
- var. **rufibasis** Mackerras & Fuller, 1942: 61. Australia (NSW); Australia (Vic).
- igniculus** Hardy, 1918: 64. Australia (Tas).

- interruptus** Mackerras & Fuller, 1942: 65. Australia (NSW).
kippsi Mackerras & Fuller, 1942: 52. Australia (NSW).
lineatus Mackerras & Fuller, 1942: 64. Australia (NSW).
lunulatus Mackerras & Mackerras, 1953: 38. Australia (NSW); Australia (Qld).
mackerrasi Daniels, 1977c: 73. Australia (WA).
mirabilis Taylor, 1917b: 513. Australia (Qld); Australia (NSW).
montanus Hardy, 1916: 269 (*eristaloides* var.). Australia (Tas).
nebulosus Mackerras & Fuller, 1942: 63. Australia (NSW).
nero Mackerras & Fuller, 1942: 62. Australia (NSW).
niger Mackerras & Fuller, 1942: 68. Australia (NSW).
nigripennis Ricardo, 1910: 405. Australia (NSW, Vic); Australia (Tas).
occidens Hardy, 1933b: 414. Australia (Tas).
olivei Hardy, 1933b: 413. Australia (Tas).
personatus Walker, 1848: 192 (*Silvius*). Australia (NSW); Australia (Qld).
 maculipennis Macquart, 1850: 332(28). "Nouvelle-Hollande."
 ornatus Schiner, 1868: 98. NZ (NZ), error [= Australia].
 maculipennis Thomson, 1869: 450 (*Caenopyga*). Australia (NSW). [Preocc. Macquart, 1850.]
rubidus Mackerras & Fuller, 1942: 54. Australia (NSW).
 var. **avittatus** Mackerras & Fuller, 1942: 55. Australia (NSW).
simplex Mackerras & Fuller, 1942: 55. Australia (NSW).
simplissimus Mackerras & Fuller, 1942: 56. Australia (NSW).
taeniatus Mackerras & Fuller, 1942: 66. Australia (NSW).
tigris Daniels, 1977c: 74. Australia (Vic).
tillyardi Taylor, 1918a: 54. Australia (NSW).