

### 3. Family TRICHOCERIDAE

By Pjotr Oosterbroek

The family Trichoceridae (winter crane flies) includes some 110 species (Dahl & Alexander 1976) and is divided into 2 subfamilies and 5 genera. Three genera occur in the regions covered by this catalog, *Trichocera* (1 introduced sp.), *Paracladura* (12 spp.), and *Nothotrichocera* (6 spp.). The last genus is endemic to the southern islands of New Zealand; north Canterbury, New Zealand (undescribed species, Johns 1975); Tasmania; and apparently southeastern Australia (Alexander 1955b, Dahl & Alexander 1976).

The family is confined to temperate and cool climates. Adults are on the wing in spring and/or autumn and, especially in temperate and warm-

temperate regions, during winter or, in colder regions, in summer. Adults often occur in caverns, mine shafts, cellars, hollow trees, and other dark places, but they attract more attention by their habit of swarming.

Larvae are scavengers in moist or wet terrestrial biotopes such as decaying leaves and vegetables, manure, fungi, stored roots and tubers, and burrows of rodents. From the southern islands of New Zealand, larvae have been reported from penguin droppings and bird nests.

Ref.: Dahl & Alexander (1976, cat. world spp.).

#### Subfamily TRICHOCERINAE

##### Genus PARACLADURA Brunetti

- PARACLADURA** Brunetti, 1911b: 286. Type species: *Paracladura gracilis* Brunetti, 1911, orig. des.  
**antipodum** Mik, 1881: 200 (*Trichocera*). NZ (Auckland Is); NZ (Campbell I, NZ).  
**aperta** Alexander, 1922k: 198 (*Trichocera*). NZ (NZ).  
**complicata** Alexander, 1924a: 13. NZ (NZ).  
**curtisi** Alexander, 1924a: 11. NZ (NZ).  
**decussata** Alexander, 1924a: 12. NZ (NZ).  
**harrisi** Alexander, 1924a: 10. NZ (NZ).  
**howesi** Alexander, 1923c: 73 (*Trichocera*). NZ (NZ).  
**lobifera** Alexander, 1922h: 146 (*Trichocera*). NZ (NZ).  
**lyrifera** Alexander, 1923c: 74 (*Trichocera*). NZ (NZ).  
**macrotrichiata** Alexander, 1922k: 199 (*Trichocera*). NZ (NZ).  
**maori** Alexander, 1921g: 159 (*Trichocera*). NZ (NZ).  
**obtusicornis** Alexander, 1922h: 146 (*Trichocera*). NZ (NZ).

##### Genus NOTHOTRICHOCERA Alexander

- NOTHOTRICHOCERA** Alexander, 1926d: 301. Type species: *Nothotrichocera tonnoiri* Alexander, 1926, orig. des.  
**antarctica** Edwards, 1923d: 492 (*Trichocera*). NZ (Campbell I); NZ (Auckland Is).  
**aucklandica** Johns, 1975: 497. NZ (Auckland Is).  
**cingulata** Alexander, 1926d: 302. Australia (Tas).  
**tasmanica** Alexander, 1926d: 303. Australia (Tas).  
**terebrella** Alexander, 1926d: 303. Australia (Tas).  
**tonnoiri** Alexander, 1926d: 302. Australia (Tas).

**Genus TRICHOCERA Meigen**

*PETAURISTA* Meigen, 1800: 15. Suppressed by I.C.Z.N., 1963b: 339. [Preocc. Link, 1795.]

*MELUSINA* Meigen, 1800: 19. Suppressed by I.C.Z.N., 1963b: 339.

**TRICHOCERA** Meigen, 1803: 262. Type species: *Tipula hiemalis* De Geer, 1776, mon.

**Subgenus TRICHOCERA Meigen**

*PETAURISTA* Meigen, 1800: 15 (as gen.). Suppressed by I.C.Z.N., 1963b: 339. [Preocc. Link, 1795.]

*MELUSINA* Meigen, 1800: 19 (as gen.). Suppressed by I.C.Z.N., 1963b: 339.

**TRICHOCERA** Meigen, 1803: 262 (as gen.). Type species: *Tipula hiemalis* De Geer, 1776, mon.

*PALAEOPETAURISTA* Séguy, 1940: 225 (as gen.). Type species: *Palaeopetaurista dubitata* Séguy, 1940  
[= *Trichocera maculipennis* Meigen, 1818], orig. des.

**annulata** Meigen, 1818: 215. Austria; Australia (SA), NZ (NZ); Ethiopia, W Palearctic, Nearctic Regs.