

CHECKLIST OF NEW ZEALAND THAUMALEIDAE (DIPTERA)

Prepared by Ian McLellan, Westport – August 2003

Described New Zealand species number 10, all endemic. *Austrothaumalea* is shared with Australia and southern South America but it is obvious from male genitalia, pupae and larvae that the Australian fauna should either be in a different sub-genus or separate genus. It is probable that this also applies to the South American species. *Oterere* is found in New Zealand with one extra-limital species in southern South America.

Because of their small size (adults 2–3 mm long, larvae about 6 mm) and the larval habitat (seepages about 1 mm deep) specimens are rarely found in collections and no systematic collection has been carried out through New Zealand. It is probable that a number of new species await collection. McLellan (1983) gives information on collecting and rearing of larvae.

GENUS *AUSTROTHAUMALEA* TONNOIR, 1927

NEOZEALANDICA GROUP

The larvae of this group inhabit steep seepages; usually not associated with streams.

Austrothaumalea neozealandica Tonnoir, 1927. Larva and pupa unknown.

Austrothaumalea crosbyi McLellan, 1988. Male, female, larva and pupa described.

Austrothaumalea macfarlanei McLellan, 1988. Male, female, larva and pupa described.

Austrothaumalea ngaire McLellan, 1988. Female unknown.

Austrothaumalea pala McLellan, 1988. Larva and pupa unknown.

Austrothaumalea walkerae McLellan, 1988. Female, larva and pupa unknown.

Austrothaumalea zwicki McLellan, 1988. Female unknown.

APPENDICULATA GROUP

The larvae of this group frequent seepages associated with the splash zones of streams.

Austrothaumalea appendiculata Tonnoir, 1927. All stages known.

Austrothaumalea gibbsi McLellan, 1988. Larva and pupa unknown.

Austrothaumalea maxwelli McLellan, 1988. All stages known.

OTERERE MCLELLAN, 1988

Oterere oliveri McLellan, 1988. Larva and pupa unknown.

RECENT REFERENCES

McLellan, I. D. 1983: A new diagnosis for genus *Austrothaumalea* and redescription of *A. neozealandica* (Diptera: Thaumaleidae). *New Zealand Journal of Zoology* 10: 267-270.

McLellan, I. D. 1988: A revision of New Zealand Thaumaleidae (Diptera: Nematocera) with descriptions of new species and a new genus. *New Zealand Journal of Zoology* 15: 563-575.

Sinclair, B. 2000: Immature stages of Australian *Austrothaumalea* Tonnoir and *Niphtha* Theischinger (Diptera: Thaumaleidae). *Australian Journal of Entomology* 39: 171-176.