

## A revision of the genus *Podaena* Ordish (Insecta: Coleoptera: Hydraenidae)

JUAN A. DELGADO<sup>1</sup> & RICARDO L. PALMA<sup>2</sup>

<sup>1</sup>Departamento de Zoología y Antropología Física, Facultad de Biología, Universidad de Murcia, 30100, Murcia, Spain.

E-mail: jdelgado@um.es

<sup>2</sup>Museum of New Zealand Te Papa Tongarewa, Wellington, New Zealand. E-mail: ricardop@tepapa.govt.nz

### Table of contents

Abstract .....	1
Introduction .....	2
List of species.....	2
Material and methods .....	2
Morphology of taxonomically important characters .....	4
Systematics .....	18
<i>Podaena</i> Ordish, 1984: 12. ....	18
<i>Podaena dentipalpis</i> Ordish, 1984.....	18
<i>Podaena glabriventris</i> Ordish, 1984 .....	21
<i>Podaena kuscheli</i> Ordish, 1984 .....	21
<i>Podaena maclellani</i> (Zwick, 1975) .....	24
<i>Podaena mariae</i> Delgado and Palma, new species .....	28
<i>Podaena obscura</i> Ordish, 1984 .....	30
<i>Podaena trochanteralis</i> Ordish, 1984 .....	32
<i>Podaena latipalpis</i> complex .....	33
<i>Podaena aotea</i> Delgado and Palma, new species .....	35
<i>Podaena hauturu</i> Delgado and Palma, new species .....	37
<i>Podaena latipalpis</i> Ordish, 1984 .....	39
<i>Podaena moanaiti</i> Delgado and Palma, new species .....	42
Key for the identification of males to species .....	44
Discussion .....	45
Acknowledgements .....	46
References .....	46

### Abstract

The New Zealand endemic genus *Podaena* Ordish, 1984 is revised. Eleven species are recognized of which four are described as new, and the remainder redescribed. The new species are: *Podaena aotea* from Great Barrier Island, *Podaena hauturu* from Little Barrier Island, *Podaena mariae* from the west coast of the South Island, and *Podaena moanaiti* from Lake Waikaremoana. The most useful characters to separate species are the shape of the maxillary palps and the shape and chaetotaxy of the foretibiae in males; these characters are illustrated for all the species. Unlike most genera of Hydraenidae, male genitalia in *Podaena* are not diagnostic for all species. The known geographical distribution of some species is expanded, and the complete collecting data for the type series of all the species described by Ordish (1984) are given, together with distribution maps.

**Key words:** Coleoptera, Hydraenidae, *Podaena*, New Zealand, revision, new species, new locality records