

Studies on the Australian Chalcophorini: a new genus for *Chalcophora subfasciata* Carter, 1916 and a review of the *Pseudotaenia* Kerremans, 1903 generic-group (Coleoptera: Buprestidae)

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Abstract

A new monotypic genus, *Austrochalcophora*, is proposed for *Chalcophora subfasciata* Carter, 1916 and a lectotype is designated for that species. *Chalcophora frenchi* Blackburn, 1891 is transferred to *Pseudotaenia* Kerremans, 1903, comb. nov. A key to the species and data on the biology and distribution of each species of *Pseudotaenia* are provided. *Pseudotaenia gigantea* (Nonfried, 1891) is removed from synonymy under *P. waterhousei* (Neervoort van de Poll, 1886) and proposed as a new junior subjective synonym of *P. gigas* (Hope, 1846), syn. nov. *Chalcophorotaenia* Obenberger, 1928 is resurrected from subgeneric status under *Chalcoplia* Saunders, 1871. *Pseudotaenia cerata* (Kerremans, 1891) is transferred to *Chalcophorotaenia*, comb. nov. All discussed species are presented in dorsal habitus and *in situ* photographs of four species are presented on two color plates.

Key words. Taxonomy, Coleoptera, Buprestidae, *Pseudotaenia*, *Chalcophorotaenia*, new genus, new combination, Australia, distribution, host plants

Introduction

The Australian component species of the buprestid tribe Chalcophorini (Buprestidae: Chrysochroinae) are currently assigned to the genera *Austrophorella* Tôyama, 1986 (Type species: *Chalcotaenia quadrisignata* Saunders, 1872), *Chalcophora* Dejean, 1833 (Type species: *Buprestis mariana* Linnaeus, 1758), *Chalcophorotaenia* Obenberger, 1928 (Type species: *Chalcotaenia quadriimpressa* Waterhouse, 1875), *Chalcotaenia* Deyrolle, 1864 (Type species: *Chrysodema lamberti* Laporte & Gory, 1835), *Chrysodema* Laporte & Gory, 1835 (Type species: *Chrysodema sonnerati* Laporte & Gory, 1835), *Cyphogastra* Deyrolle, 1864 (Type species: *Chrysodema semipurpurea* Laporte & Gory, 1835), *Paracupta* Deyrolle, 1864 (Type species: *Buprestis xanthocera* Boisduval, 1835) and *Pseudot-*