

**Taxonomic and nomenclatorial revision within the Neotropical genera of a subtribe Odontochilina W. Horn in a new sense – 5.
A new species of the genus *Pentacomia* from Costa Rica
(Coleoptera: Cicindelidae)**

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MORAVEC J. & BRZOSKA D. 2013: Taxonomic and nomenclatorial revision within the Neotropical genera of the subtribe Odontochilina W. Horn in a new sense – 5. A new species of the genus *Pentacomia* from Costa Rica (Coleoptera: Cicindelidae). *Acta Musei Moraviae, Scientiae biologicae* (Brno) **98(1): 75–84**. – *Pentacomia* (*Mesochila*) *wappesi* sp.nov. is described as a new species to science, representing the second species of the genus to be recorded from Costa Rica. By the pattern of the whitish elytral maculation and mandibles with only three teeth, this new species resembles *P. (M.) skrabali* Duran et Moravec, 2013 described from Panama, but *P. (M.) wappesi* sp.nov. clearly differs both in its external and internal characters, immediately in having nearly smooth and shiny pronotum with only several, mostly fine transverse median wrinkles. Examination of type specimens of relevant species of *Pentacomia* has confirmed that by the complex of its characters, *P. (M.) wappesi* sp.nov. is markedly distinguished from all known species in the genus. It represents an intermediate link between the subgenera *Pentacomia* s. str., *Mesochila* Rivalier, 1969, and *Beckerium* Rivalier, 1969. Particularly due to the tridentate mandibles, both *P. (M.) skrabali* and *P. (M.) wappesi* sp.nov. may represent a separate subgenus. Illustrations of the habitus and diagnostic characters of the new species and distinguishing external characters of *P. (M.) skrabali* are presented in colour photographs.

Key words. Coleoptera, Cicindelidae, *Pentacomia*, taxonomy, new species, Costa Rica, Central America

Introduction

This paper is a continuation of the ongoing taxonomic revision of Neotropical genera of the subtribe Odontochilina W. Horn, 1899 in a new sense by the first author. The aim of this series of papers (see also MORAVEC 2012a,b,c, DURAN & MORAVEC 2013, MORAVEC 2013) is to publish significant taxonomic and nomenclatorial changes or descriptions of new species that will be available before the completion of the final comprehensive publication.

Similar to neighbouring Panama, Costa Rica is a country with tremendous biodiversity, including a rich diversity of tiger beetle genera and species. Nevertheless, despite numerous specimens of tiger beetles which have been recently collected namely by the second author and other colleagues in Costa Rica, only one species of *Pentacomia*, *P. (Pentacomia) cupriventris* (Reiche, 1842) has been recorded from this country (PEARSON *et al.* 1999, ERWIN & PEARSON 2008). Thus *Pentacomia* (*Mesochila*) *wappesi* sp.nov. described here represents the second species of *Pentacomia* to be recorded from Costa Rica. While the type locality in the province of Puntarenas lies near the Panamanian border, other adults were caught mostly at higher altitudes in the provinces