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Book Review: *Revision of the genera Odontotrypes and Phelotrupes* (KRAL, D., V. MALY, AND J. SCHNEIDER, 2001)

Federico C. Ocampo

University of Nebraska - Lincoln, focampo2@unl.edu

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## BOOK REVIEW

KRÁL, D., V. MALY, AND J. SCHNEIDER. 2001. **Revision of the genera *Odontotrypes* and *Phelotrupes* (Coleoptera: Geotrupidae)**. Folia Heyrovskyana Supplementum 8, 178 pp. ISBN 80-86447-01-4. Price: about \$68 U.S. For ordering information contact Vit Kabourek, Sokolská 3923, CZ-760 01, Czech Republic, email: kabourek@mbox.mrp.cz.

This publication contains a detailed revision of two genera of Geotrupidae (Scarabaeoidea): *Odontotrypes* and *Phelotrupes*. The text is in English and includes a short introduction and taxonomic history of the two genera. Descriptions, label data, distribution, and illustrations are provided for all species in these genera. Although no generic descriptions are provided, a key to the eastern Asian genera of Geotrupinae provides the diagnostic characters need for identification.

Species of *Odontotrypes* are organized in three "species aggregates" for which independent keys to species are provided. The authors divide *Phelotrupes* into three subgenera: *Chromogeotrupes*, *Eogeotrupes*, and *Sinigeotrupes*. Each of these subgenera was recognized at the generic level by some previous authors. A key to species of each subgenus is provided. The authors give a complete taxonomic treatment and descriptions of all species, including 51 (28 new) species of *Odontotrypes* and 39 (14 new) species of *Phelotrupes*. The material studied for this work is comprehensive with specimens from 40 collections (totaling more than 3000 specimens!). At the end, there are 29 pages of illustrations that include: illustrations of the male genitalia (dorsal and ventral view) of all species; high quality, crisp, full color pictures of male specimens of almost all species, and some female specimens; and pictures of the metathoracic wings (there are 304 figures in total).

The large number of new species (42 in total) in this work reveals how poorly known the world fauna of Geotrupidae still is, and highlights the necessity of extensive and complete revisions in order to advance our knowledge of the world insect fauna.

Overall it is an excellent work as is becoming characteristic of revisions published in Folia Heyrovskyana. There are a couple of minor drawbacks. One is the lack of distribution maps for the species, which are always desirable (localities are listed within the text). A nomenclatural omission also deserves a comment. The authors attempt to make several lectotype designations for various names. According to the current International Code of Zoological Nomenclature and explicit statement of taxonomic purpose for each lectotype designation has to be provided (Article 74.7.3). Unfortunately the statement is absent for all lectotypes proposed in this work, which makes their validity doubtful. However, these problems only minimally diminish the quality of this excellent work. Anyone interested in world Geotrupidae needs to have a copy of this publication!

**Federico C. Ocampo**, *Division of Entomology, University of Nebraska State Museum, W436 Nebraska Hall, Lincoln, NE 68588-0514, U.S.A.*

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