

Type species designations and other nomenclatural notes on Palaearctic Melolonthinae and Cetoniinae (Coleoptera: Scarabaeoidea: Scarabaeidae)

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Abstract

The nomenclatural status and correct spelling of several genus-group and species-group names of Palaearctic scarab beetles are discussed. Type species are designated for the following genus-group names of Palaearctic Melolonthinae: *Brachydema* Fairmaire, 1881 (type species *Brachydema lamberti* Fairmaire, 1884), *Microtrichia* Brenske, 1900 (type species *Phytalus eurytomus* Burmeister, 1855), *Pseudohoplia* Reitter, 1890 (type species *Hoplia gabriellina* Fairmaire, 1887), and *Sparophysa* Burmeister, 1855 (type species *Pachydema bullata* Burmeister, 1855). Type species are designated for the following genus-group names of Palaearctic Cetoniinae: *Melanosa* Mulsant & Rey, 1871 (type species *Cetonia morio* Fabricius, 1781), *Pachnotosia* Reitter, 1891 (type species *Cetonia marmorata* Fabricius, 1792), *Polydomia* Thomson, 1880 (type species *Macronota cervina* Wallace, 1867), *Potosia* Mulsant & Rey, 1871 (type species *Cetonia floricola* Herbst, 1790), and *Tetragonus* Gory & Percheron, 1833 (type species *Agestrata dehaani* Gory & Percheron, 1833). The following genus-group names were determined to be unavailable: “*Microtrogus*” Mikšić, 1965, “*Paramonotropus*” Medvedev, 1951, “*Sinoliocola*” Alexis & Delpont, 1998. Clarifications are made on the nomenclature and correct spelling of several other genus-group and species-group names.

Key words: Palaearctic Region, scarab beetles, type species, nomenclature

Introduction

During the preparations for the upcoming volume 3 of The Catalogue of Palaearctic Coleoptera, several nomenclatural problems in Scarabaeoidea become known. These predominantly have to do with the need for type species designations of genus-group names and incorrect subsequent spellings or unjustified emendations of spellings of names that are in prevailing usage and should now be considered the correct spellings. The