



GENERIC REVISION OF THE ANT SUBFAMILY DORYLINAЕ (HYMENOPTERA, FORMICIDAE)

BY MAREK L. BOROWIEC

*Simopone conradti* Emery, 1899

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The ant subfamily Dorylinae (Hymenoptera: Formicidae) is a group that includes the charismatic ‘true army ants’ as well as a number of less-known lineages. This monograph introduces a new generic classification for the subfamily, building upon recent phylogenetic discoveries and a re-evaluation of morphology of doryline species. Taxonomic account of all doryline genera is prefaced with a summary of the history of systematic and phylogenetic research in the subfamily and a succinct introduction to the group’s biology. The newly proposed classification recognizes 28 genera in the Dorylinae and is designed to reflect evolutionary relationships and facilitate identification. New illustrated keys for identification of workers and males are provided. Each genus account is accompanied by illustrations based on representative worker and male specimens and a distribution map. Detailed diagnoses and descriptions are given for the worker and male, along with a discussion of gyne morphology and, where available, references on larval morphology. In addition to the diagnoses and descriptions, the genus accounts are accompanied by notes on distribution, taxonomy and phylogeny, and natural history. Finally, a checklist of all valid species and subspecies in each genus is included.

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Book chapters: Mayr E (2000) The biological species concept. In: Wheeler QD, Meier R (Eds) Species Concepts and Phylogenetic Theory: A Debate. Columbia University Press, New York, 17-29.

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