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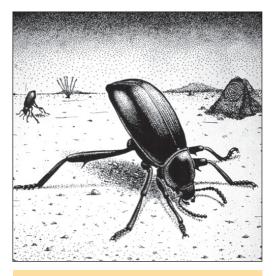
The beetle superfamily Tenebrionoidea, with approximately 30,000 described species in 29 families, is one of the most species-rich and diverse lineages of beetles. Representatives are present in nearly every terrestrial ecosystem due to the amazing array of forms, feeding habits, and life histories exhibited within the group. Twothirds of the known tenebrionoid species are found within the family Tenebrionidae, commonly known as darkling beetles. Some darkling beetles, such as the red flour beetle, Tribolium castaneum (Herbst), and the yellow meal worm, Tenebrio molitor (Linnaeus), serve as model organisms for the study of evolution. However, the majority of tenebrionoid species are still poorly know or awaiting description.

In order to share current research on darkling beetles and other tenebrionoid families, and help foster new collaborations, the Third International Tenebrionoidea Symposium was organized and held at Arizona State University in Tempe, Arizona USA on August 7th and 8th, 2013. Researchers from ten countries participated with a total of 36 attendees. Presentations ranged from species-level revisions to broad scale Tenebrionidae phylogenies and inventories, darkling beetles intercepted by USDA-APHIS during agricultural quarantine interceptions, and the first steps towards the construction of a Coleoptera Anatomy Ontology.

This special issue of ZooKeys brings together twelve studies produced by the meeting's attendees, most of which were also presented at the meeting. By organizing these studies into a single volume, we hope to highlight the diversity of studies being undertaken on this fascinating group of beetles and encourage future research.

PROCEEDINGS OF THE THIRD INTERNATIONAL TENEBRIONOIDEA SYMPOSIUM, ARIZONA, USA, 2013

EDITED BY PATRICE BOUCHARD & AARON D. SMITH



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For those who want their work rapidly known to the World!

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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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