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**A phylogenetic analysis of the tribe Zopherini with a review of
the species and generic classification (Coleoptera: Zopheridae)**

IAN A. FOLEY & MICHAEL A. IVIE



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A phylogenetic analysis of the tribe Zopherini with a review of the species and generic classification (Coleoptera: Zopheridae)

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Abstract

A morphology-based phylogenetic analysis of all known species (excluding the well-revised *Zopherus* Gray) of the tribe Zopherini was performed. The genus *Sesaspis* Casey is elevated from synonymy, redescribed and two new species are described from Central America, *Sesaspis ashei* NEW SPECIES and *Sesaspis triplehorni* NEW SPECIES. The following NEW COMBINATIONS are proposed: *Noserinus furcatus* (Kirsch), *Phloeodes venustus* (Champion), *Sesaspis emarginata* (Horn), *Sesaspis lutosa* (Champion), *Sesaspis sylvatica* (García-París *et al.*), and *Sesaspis doyenii* (García-París *et al.*). The following NEW SYNONYMIES are proposed: *Phloeodes pustulosus* LeConte of *Phloeodes diabolicus* LeConte, *Nosoderma prominens* Casey, *Nosoderma senex* Casey, *Nosoderma brevicollis* Casey, and *Nosoderma subglabrus* Casey of *Eurychora inaequale* Say as *Verodes inaequalis* (Say), *Nosoderma insigne* Champion of *Nosoderma interruptum* Champion as *Verodes interruptus* (Champion), *Nosoderma squalidus* Casey of *Nosoderma guatemalense* Champion as *Verodes guatemalensis* (Champion), *Scoriaderma congolense* Fairmaire of *Nosoderma scabrosum* Solier as *Verodes scabrosus* (Solier), and *Scoriaderma comoriense* Fairmaire of *S. cordicolle* Waterhouse. A revised key to the world genera is provided, as well as keys to all species of the tribe, save those of *Zopherus*, including the multispecies genera *Noserinus* Casey, *Nosoderma* Guérin-Méneville, *Phloeodes* LeConte, *Sesaspis* Casey, and *Verodes* Casey. A synoptic catalog of the described species is provided, with brief comments on the taxonomic histories of the tribe, genera, and species. All recognized species are illustrated and diagnosed, with information on their types, taxonomic history and geographic distributions.

Key words: Coleoptera, Zopheridae, new species, taxonomy