



A new species of *Stenomorpha* Solier (Coleoptera: Tenebrionidae: Pimeliinae: Asidini) from Cuatrociénegas, Mexico with a key to the *furcata* species group

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Abstract

A new species, *Stenomorpha roosevelti* Smith, Miller, and Wheeler, **n. sp.**, is described from the Cuatrociénegas Protected Area in Coahuila, Mexico. Three related species are transferred into *Stenomorpha*, producing the following **new combinations**: *Stenomorpha furcata* (Champion), *Stenomorpha wickhami* (Horn), and *Stenomorpha granicollis* (Blaisdell). A new informal group, the *furcata* species group, comprised of these four species is recognized within *Stenomorpha*. Diagnoses of the group and its species are provided, along with distribution data and a key to the species.

Key words: Darkling beetles, Asidini, *Stenomorpha*, Mexico, taxonomy

Resumen

Una nueva especie, *Stenomorpha roosevelti* Smith, Wheeler, y Miller, **n. sp.**, se describe del Área de Protección de Flora y Fauna Cuatrociénegas en Coahuila, México. Tres especies relacionadas se transfieren a *Stenomorpha*, produciendo las **nuevas combinaciones**: *Stenomorpha furcata* (Champion), *Stenomorpha wickhami* (Horn), y *Stenomorpha granicollis* (Blaisdell). Un nuevo grupo informal, la especie-grupo del *furcata*, abarcado de estas cuatro especies dentro de *Stenomorpha*. Las diagnós del grupo y de sus especies se proporcionan, junto con datos de la distribución y una llave a las especies.

Introduction

Asidine darkling beetles (Tenebrionidae: Pimeliinae: Asidini) are a large tribe of flightless mid- to large-sized (4.5–35mm) tenebrionids found in arid and semi-arid regions around the world. The North American (N.A.) component of the tribe occurs from southern Mexico, throughout the western United States, and into southwestern Canada. It currently contains nearly three hundred species in 27 genera (Papp 1961), making it one of the most species-rich tenebrionid groups in North America. *Stenomorpha* Solier, with approximately 71 current species, is the largest New World genus in the tribe.

Stenomorpha was originally erected by Solier (1836) to hold three new central Mexican species (*Stenomorpha blapsoides* Solier, *S. costata* Solier, and *Trichiasida subpilosa* (Solier)). The replacement name *Euschides* was provided by LeConte (1851) due to the similarity between *Stenomorpha* and *Stenomorphus* Dejean, 1831. Horn (1870) concluded that no characters reliably separated *Euschides* from the Mediterranean genus *Asida* Latreille (1802) and synonymized it, along with *Philolithus* Lacordaire (in LeConte 1858) and *Pelecyporus* Solier (1836), under *Asida*. In the *Biologia Centrali-Americana*, Champion (1884, 1892) followed Horn and described new Mexican asidine species in *Asida*. However, Casey (1912) removed *Asida* from the New World by resurrecting both *Stenomorpha* and its replacement name *Euschides* and moving all of the previously described North American species, along with the numerous species he described, into these genera and 14 new genera he erected. Wilke (1921) synony-