



Two new species of the genus *Paramitraceras* Pickard-Cambridge, 1905 (Opiliones: Laniatores: Stygnopsidae) from Chiapas, Mexico

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Abstract

Paramitraceras pickardcambridgei sp. nov. and *Paramitraceras tzotzil* sp. nov. from Chiapas, Mexico are described based on specimens previously determined as *Paramitraceras granulatum* Pickard-Cambridge, 1905 by Goodnight and Goodnight. The male genitalia of the new species and *P. granulatum* are illustrated with scanning electronic micrographs (SEMs) or drawings derived from them. The importance of the ocular tubercle, cheliceral dentition and sexual dimorphism, pedipalpal armature and male genitalia as taxonomic characters within the genus is discussed as well as differences and similarities between *Paramitraceras* Pickard-Cambridge, 1905 and its most similar genus, *Sbordonia* Šilhavý, 1977.

Key words: *Paramitraceras*, taxonomy, male genitalia, pedipalpal armature, Mexico

Resumen

Se describen *Paramitraceras pickardcambridgei* sp. nov. y *Paramitraceras tzotzil* sp. nov., originarias del estado de Chiapas, México; en base a material previamente determinado como *Paramitraceras granulatum* Pickard-Cambridge, 1905 por los aracnólogos Clarence J. Goodnight y Marie L. Goodnight. Se ilustra la genitalia masculina de éstas tres especies analizadas con fotos de microscopia de barrido (MEB) o mediante dibujos tomados de ellas. Se discute la importancia del oculario, dimorfismo sexual y dentición queliceral, armadura pedipalpal y genitalia masculina como caracteres de importancia taxonómica dentro del género. Se discuten las diferencias entre los géneros *Paramitraceras* Pickard-Cambridge, 1905 y *Sbordonia* Šilhavý, 1977.

Palabras clave: *Paramitraceras*, taxonomía, genitalia masculina, armadura pedipalpal, México

Introduction

The genus *Paramitraceras* Pickard-Cambridge, 1905 is represented by four species of medium-sized, robust, stygnopsid harvestmen; with eye mounds that are well defined, strong, conical, and located on the anterior margin of the carapace; stout pedipalps, lacking armature (only with few and scattered, rounded, spiniform tubercles on the ventral side of the femora); and male genitalia typically with the *pars distalis* covered with numerous, distally spatulate setae (Cruz-López and Francke, 2012).

Goodnight and Goodnight (1944, 1947, 1950, 1953a, 1953b, 1973) examined miscellaneous harvestmen from southern Mexico and Central America, concluding that *Paramitraceras chichivaca* Goodnight and Goodnight, 1947 (from Chichivac, Tecpan, Guatemala), *Panzosus hispidulus* (Roewer, 1949) (from Panzos, Guatemala), and *Solola robusta* Roewer, 1949 (from Quetzaltenango, Guatemala) are synonyms of *Paramitraceras granulatum* Pickard-Cambridge, 1905 (from Tecpan, Guatemala) [correct spelling of specific names from this genus see Kury and Alonso-Zarazaga (2011)]. The authors also mentioned several new records for this species in the states of Chiapas, Oaxaca and Tabasco in Mexico and also from El Salvador and Guatemala. They argued that *P.*