



A new genus of Antilocorini from Baja California, Mexico (Hemiptera: Heteroptera: Lygaeoidea: Rhyparochromidae: Rhyparochrominae)

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Abstract

A new genus of Antilocorini, *Pulmomerus*, and a new species *Pulmomerus levatus* from Baja California Sur are described. This species with reduced hemelytra is characterized by the presence of spines on the fore femora, the very elevated connexiva, the absence of metathoracic wings, and a peculiar and unique spermatheca. Specimens were found under leaf litter of *Ficus palmeri*, which represents another record of Rhyparochromidae associated with figs in Mexico, and a probably endemic species from Cabo Pulmo National Park.

Key words: Cabo Pulmo, endemic, *Ficus palmeri*, seeds, *Pulmomerus levatus*, **gen. nov.**, **sp. nov.**

The fauna of Antilocorini in the American Continent has been studied by Slater (1964, 1980), Slater and Brailovsky (1986, 1994, 2004), Slater and O'Donnell (1995), Brambila (2000a, b), Baranowski and Brambila (2001) and Brailovsky (2010); they list 17 genera and 46 species for that region; in Mexico, only five genera and six species have been recorded: *Acolhua barrerai* Slater and Brailovsky, *Botocudo neomodesta* Slater and Brailovsky (Mexico), *Branstettocoris pinguis* Brailovsky, *Cligenes distinctus* Distant, *Cligenes grandis* Brambila, and *Paurocoris punctatus* (Distant).

This paper describes one new genus of Antilocorini, with one new species from Mexico. Specimens were collected under *Ficus palmeri* S. Watson (Moraceae), in the area of Cabo Pulmo National Park in Baja California Sur, Mexico.

Material and methods

Specimens examined in this study are deposited in the Colección Entomológica (IEXA) from Instituto de Ecología, A.C., Xalapa, Veracruz, Mexico; in the Colección Nacional de Insectos from Instituto de Biología, UNAM, Mexico (CNIN), in The National Museum of Natural History, Smithsonian Institution, Washington, D.C. (USNM) and in the personal collection of Dr. Merrill Sweet in Las Cruces, New Mexico. Measurements are given in mm ± s.e.

Results

Pulmomerus gen. nov.

Description. Body shining; brachypterous, membrane completely absent; connexivum elevated. Head with very fine punctures; pronotum with just a row of large punctures on anterior margin and with a few large scattered punctures on posterior lobe; transverse pronotal impression absent; lateral pronotal margins rounded; posterior margin