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## Two new endemic species of Lygaeinae from Baja California, Mexico (Hemiptera: Heteroptera: Lygaeidae)

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### Abstract

Two new species of Lygaeinae endemic to the Peninsula of Baja California, Mexico, are described. *Dalmochrimnus insularis* **sp. nov.** endemic to San Ildefonso Island in the Gulf of California and *Melacoryphus lagunensis* **sp. nov.** endemic to the Reserve area of Sierra La Laguna in the South of the Peninsula. A discussion about their relationships within their genera and their endemic status is also provided.

**Key words:** Endemic, island, Lygaeoidea

### Introduction

The Lygaeinae fauna of the Americas was reviewed by A. Slater (1992), and this group has been studied in the past by several other researchers (Brailovsky, 1975, 1977, 1978, 1979, 1982, 1984; A. Slater, 1988; Slater & Brailovsky 2000).

Slater & Brailovsky (2000) reported 78 species from Mexico, with 19 species from the Peninsula of Baja California. Within *Dalmochrimnus* Brailovsky, they recorded only *D. defessus* (Van Duzee) which is also endemic to the Peninsula. In *Melacoryphus* A. Slater, they recorded *M. admirabilis* (Uhler), *M. circumlitus* Stål, *M. facetus* (Say), *M. lateralis* (Dallas), *M. rubicollis* (Uhler), and *M. micropterus* A. Slater. This last species is endemic to Guadalupe Island in the Pacific Ocean outside the Peninsula.

This paper describes two new species of Lygaeinae, *Dalmochrimus insularis*, **sp. nov.**, and *Melacoryphus lagunensis*, **sp. nov.** Descriptions and illustrations of both species are included. A discussion about their relationships within their genera and their endemic status is also provided.

### Material and methods

Specimens examined in this study are deposited in the Colección Entomológica from Instituto de Ecología, A.C., Xalapa, Veracruz, Mexico (IEXA); 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 California Academy of Sciences, San Francisco, California (CAS). Measurements are given in mm ± s.e.

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