



First records of *Leptoglossus talamancanus* Brailovsky & Barrera, 1998 (Hemiptera: Heteroptera: Coreidae) for Belize and Mexico

Primeras citas de *Leptoglossus talamancanus* Brailovsky & Barrera, 1998 (Hemiptera: Heteroptera: Coreidae) para Belice y México

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Abstract.– The first records of the coreid *Leptoglossus talamancanus* from Belize and Mexico are presented. Information about host plants of the species is provided.

Key words: *Distribution, faunistics, new records, Hylocereus undatus, host plants.*

Resumen.– Se presentan las primeras citas del coreído *Leptoglossus talamancanus* de Belice y México. Se proporciona información acerca de plantas hospedantes de la especie.

Palabras clave: *Distribución, faunística, nuevos registros, Hylocereus undatus, plantas hospedantes.*

The genus *Leptoglossus* Guérin-Méneville, 1831, which belongs to the tribe Anisoscelini within the Coreidae, consists of 62 species and is cosmopolitan, but mainly widely distributed in the Nearctic and in the Neotropical region (Brailovsky & van der Heyden, 2019). *Leptoglossus talamancanus* Brailovsky & Barrera, 1998 was described based on several specimens found in Costa Rica (Brailovsky & Barrera, 1998). So far, *L. talamancanus* has only been known from Costa Rica (Packauskas, 2010; Harry Brailovsky, pers. comm.).

On 09.vi.2019, Jane Crawford found an adult specimen of *L. talamancanus* (Fig. 1) in Roaring Creek near Belmopan, the capital of Belize. The specimen was found on a succulent plant in a cultivated garden with fruit trees and ornamental plants (Jane Crawford, pers. comm.). A photograph of the specimen was published in the online database iNaturalist under the pseudonym j_craw (Crawford, 2019).

On 09.v.2020, Gabriel Jiménez photographed an adult specimen of *L. talamancanus* in his house in Jorge Camacho, in the municipality of Pichucalco, located in the Mexican state of Chiapas. The photograph was published in the online database iNaturalist under the pseudonym

gabrielji (Jiménez, 2020). The photograph is somewhat blurred, but the specimen is identifiable. Furthermore, Gabriel Jiménez found several specimens of *L. talamancanus* in his family garden. The specimens were feeding on a white-fleshed pitahaya *Hylocereus undatus* (Haworth) Britton & Rose (Cactaceae) which was living as an epiphyte on an orange tree [*Citrus sinensis* (L.) Osbeck (Rutaceae)] (Gabriel Jiménez, pers. comm.).

The determination of the specimens in the photographs was checked and confirmed using the original description of *L. talamancanus* by Brailovsky & Barrera (1998) and the illustrated key for the identification of the species included in the genus *Leptoglossus* by Brailovsky (2014).

As *L. talamancanus* has neither been reported for Belize nor for Mexico in scientific publications yet, the records reported in this note are the first ones for both countries. As the species has been found in Costa Rica and Belize, its presence in other Central American countries can be expected.

Acknowledgements

I would like to thank Jane Crawford (Crooked





Figure 1 Specimen of *Leptoglossus talamancanus* Brailovsky & Barrera, 1998, 09.vi.2019, Roaring Creek, Belize (photograph: Jane Crawford).

Tree, Belize) for allowing me to use her photograph of *L. talamancanus* to illustrate this paper and for additional information about her finding and Gabriel Jiménez (Jorge Camacho, Mexico) for information about his findings. Special thanks to Harry Brailovsky (Mexico City, Mexico) and Nikki Buxton (Roaring Creek, Belize) for helpful information.

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