



A new species of *Dinothenarus* (Coleoptera: Staphylinidae) from Mexico

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Abstract

Dinothenarus (s. str.) *amisadaiae* Santiago-Jiménez, **sp. n.** is described based on specimens from Cofre de Perote Volcano, Veracruz. The habitus and aedeagus are illustrated and distributional and biological data provided. A key to species of *Dinothenarus* (s. str.) of America is also provided. The discovery of this species in the high mountains of central Mexico represents a significant range extension for the genus *Dinothenarus*, previously known in Mexico only from Baja California, and especially for the subgenus *Dinothenarus* (s. str.), previously known only from northern North America and Eurasia.

Key words: Coleoptera, Staphylinidae, *Dinothenarus*, new species, Mexico

Introduction

Dinothenarus Thomson, 1858 is a Holarctic taxon, with most of the 28 known species found in the Palearctic region (Smetana & Davies 2000, Smetana 2002). Two subgenera are recognized: *Dinothenarus* sensu stricto with nine species and *Parabemus* Reitter, 1909 with 19 species. Only six species are Nearctic: five of the subgenus *Parabemus* and one of the nominal subgenus. These species are confined to Canada and the United States, except for two western Nearctic species of the subgenus *Parabemus* whose ranges extend south into Baja California or Baja California Sur, Mexico (Navarrete *et al.* 2002).

The discovery of a new *Dinothenarus* species from the mountains of central Mexico is especially surprising because it belongs to the nominal subgenus, otherwise represented in America only by *D. capitatus* (Bland, 1864) from Canada and the northeastern United States. The new species has a ligula with a slight incision apically, mandibles each with a small subbasal tooth, and a body extensively covered with lush, variegated tomentose pubescence as described for *Dinothenarus* (s. str.) by Smetana and Davies (2000). The goal of this paper is to describe this new species and provide biological and distributional data on it, as well as to provide a key to separate it from *D. capitatus*.

Depositories

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| CZUG | Entomología, Centro de Estudios en Zoología, Universidad de Guadalajara, Zapopan, Jalisco, Mexico (Dr. J. L. Navarrete). |
| FMNH | Field Museum of Natural History, Chicago, United States (Dr. A. F. Newton). |
| IEXA | Colección Entomológica del Instituto de Ecología, Xalapa, Veracruz, Mexico (MSc. L. Delgado). |
| CC-UAEH | Colección de Coleoptera, Universidad Autónoma del Estado de Hidalgo, Pachuca, Hidalgo, Mexico (Dr. J. Márquez). |