

A new species of *Megasoma* Kirby (Coleoptera: Scarabaeidae: Dynastinae) from Sinaloa, Mexico

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Abstract

A new species, *Megasoma nogueirai* sp. nov., from tropical subdeciduous forests at 290–820 m of altitude in Sinaloa, northwestern Mexico, is described and illustrated. Differences with *M. elephas* (F.) and *M. occidentalis* Bolívar, Jiménez and Martínez, are outlined.

Key words: Coleoptera: Dynastinae, Dynastini, *Megasoma*, taxonomy, Mexico

Introduction

The genus *Megasoma* Kirby is formed by 14 species clearly defined by sound morphological characters and precise geographic and ecological distributions (Table 1) (Endrödi 1941, 1977; Hardy 1972; Lachaume 1985; Morón and Gómez-Anaya 2002). In addition, the polemic *Megasoma janus* Felsche, has been cited as valid species or as subspecies of *M. actaeon* (L.) (Endrödi 1977; Lachaume 1985; Silvestre and Arnaud 2002). Mainly supported by differences in the shape of male horns and geographic distribution, six subspecies of *M. elephas* (Fab.), *M. joergenseni* Bruch, *M. janus* and *M. gyas* Herbst were also described (Fischer 1968, Silvestre and Arnaud 2002, Nagai 2003). Recent collection trips in the state of Sinaloa, Mexico, provided specimens of an undescribed species of *Megasoma*.

Illustrations were made with a digital camera (Sony Mavica CD500) and a scanning electron microscope (Jeol JSM-5600 LV). Measurements were obtained using an electronic digital caliper (0–100 mm). Specimens are deposited in the collections of the Canadian Museum of Nature, Ottawa (CMNC), Instituto de Biología, Universidad Nacional Autónoma de México, Mexico City (IBUNAM), Instituto de Ecología, A.C. Xalapa (IEXA), The Natural History Museum, London (BMNH), Muséum national d'Histoire