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Oxyomus mariateresae new species of Mexican Aphodiini
(Coleoptera: Scarabaeidae: Aphodiinae)

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Oxyomus mariateresae new species of Mexican Aphodiini
(Coleoptera: Scarabaeidae: Aphodiinae)

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Abstract. The new species *Oxyomus mariateresae* from Mexico (Oaxaca) is described and figured.

Key Words. Systematics, *Oxyomus mariateresae*, new species, Mexico, Aphodiinae

Introduction

This work belongs to a series of papers describing new taxa in preparation for a systematic revision of Mexican Aphodiinae (Coleoptera Scarabaeidae). The sole species of genus *Oxyomus* Dejean, 1833, previously known from Mexico was *O. setosopunctatus* Schmidt, 1911 that was already redescribed and figured by Dellacasa and Stebnicka (2001).

Key to American species of *Oxyomus*:

1. Upperside glabrous. Blackish or brown blackish; sometimes elytra reddish. Length 3.0–4.0 mm. Europe, Mediterranean Africa, southwestern Asia, North America ***O. sylvestris* (Scopoli)**
- Upperside more or less diffusely pubescent **2**
2. Elytral striae catenulate; interstriae with two median longitudinal rows of short yellowish recumbent setae; fore tibiae spur, in males, inwardly curved apically. Dark brownish-grey. Length 3.0–4.0 mm. Mexico (Oaxaca) ***O. mariateresae* new species**
- Elytral striae foveolate; interstriae with one median longitudinal row of short yellowish recumbent setae; fore tibiae spur, in males, straight. Blackish, in some specimens elytra dirty brownish. Length 2.5–3.5 mm. Mexico (Hidalgo, México, Puebla, Veracruz) ***O. setosopunctatus* Schmidt**

Materials and Methods

Terminology used in this work to describe morpho-anatomical features follows that of Dellacasa et al. (2001). Materials studied are in the following collections:

- DCGI — Dellacasa Collection, Genoa, Italy
FSCA — Florida State Collection of Arthropods, Gainesville, FL, USA

***Oxyomus mariateresae* new species**

(Figures 1–5)

Type locality. Llano de las Flores, 17°26'37.1"N-096°30'13.2"W, Oaxaca, Mexico.**Type repository.** Dellacasa collection, Genoa, Italy.

Description. Length 3.0–4.0 mm, oblong, convex, almost dull, pubescent. Dark brownish-grey, anterior angles of pronotum and legs dark brown; antennal club blackish. Head with epistome moderately convex medially, alutaceous, laterally evenly coarsely not very closely punctured; punctures cariose and those toward genae near imperceptibly haired; clypeus feebly sinuate at middle, round at sides, rather thickly bordered, edge anteriorly slightly reflexed, glabrous; genae obtusely round, sparsely ciliate, protruding from eyes; frontal suture finely impressed, somewhat raised at each side and at middle; front widely alutaceous, evenly coarsely punctured. Pronotum transverse, convex, faintly foveolate, longitudinally at middle and obliquely on each side, strongly alutaceous, evenly densely coarsely and somewhat irregularly punctured; punctures umbilicate, cariose, each one with rather short recumbent seta; lateral margins feebly arcuate, somewhat tapered before hind angles, thickly bordered, edge glabrous; hind angles well defined, obtuse; base moderately bisinuate, finely bordered, edge crenulate. Scutellum sunken, alutaceous, superficially confusedly punctured. Elytra moderately convex, feebly widened posteriorly, with deep narrow striae, catenulate on disc, strongly crenulate; interstriae alutaceous, convex, subcarinate medially, densely, coarsely confusedly punctured and with two median longitudinal rows of short yellowish recumbent setae. Hind tibial superior spur as long as first tarsal segment; latter nearly as long as following three combined. Male: fore tibiae spur stout and inwardly curved apically; aedeagus Fig. 2–3. Female: fore tibial spur slender, acuminate and almost straight.

Type material. MEXICO: Oaxaca: Llano de las Flores, 17°26'37.1"N-096°30'13.2"W, Carretera Tuxtepec, Oaxaca; m 2600, 01.XII.2003, leg. Martínez I. & M.T. Suarez (**holotype**, male, and **allotype** DCGI; 1 **paratype**, male FSCA); Las Cumbres, Carretera Zachila, San Miguel Peras, m 2500, 05.VIII.2000, leg. Martínez I. & Reyes-Castillo P. (1 **paratype**, male DCGI).

Distribution. Mexico (Oaxaca).

Etymology. Named in honor of one of its collectors, Maria Teresa Suarez, of Instituto de Ecología, Xalapa, Veracruz, Mexico.

Biology. Almost unknown; the few specimens of the type series were collected in August and in December.

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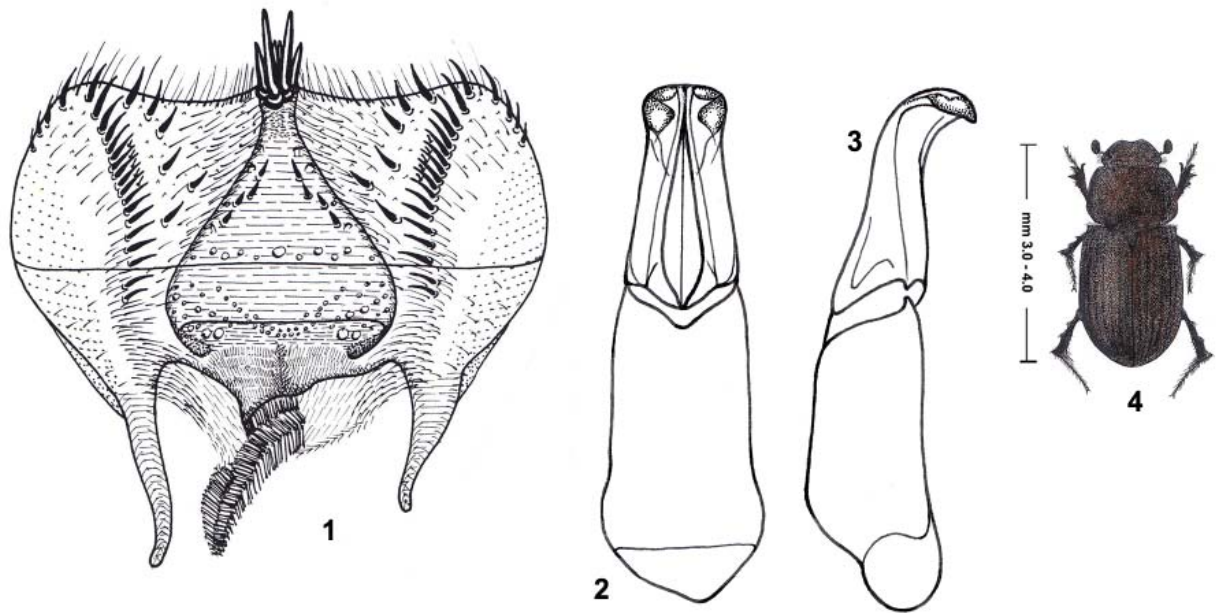


Figure 1–5. *Oxyomus mariateresae*, new species (Llano de las Flores, Oaxaca, Mexico). 1) Epipharynx. 2–3) Aedeagus (dorsal and lateral view). 4–5) Habitus (length ideogram and morphological details).

