Thaumaglossa govorovi sp. nov., a new species from Madagascar (Coleoptera: Dermestidae: Megatominae)

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Abstract. A new species *Thaumaglossa govorovi* sp. nov. from Madagascar is described, illustrated and compared with similar species.

INTRODUCTION

The genus *Thaumaglossa* Redtenbacher, 1867 currently contain 76 species worldwide. A revision of the species known from Madagascar was published by Háva (2023). A new species collected in oothecae of the mantid species *Tarachomantis* sp. is here described.

MATERIAL AND METHODS

The following measurements were made (in mm):
total length (TL) - linear distance from anterior margin of pronotum to apex of elytra.
elytral width (EW) - maximum linear transverse distance.

Nomenclature and systematics in this paper follow Motyka et al. (2022).

The following abbreviations refer to the collections, in which the examined materials are deposited:

AHEC Andreas Herrmann, private collection, Stade, Germany;
JHAC Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-West, Czech Republic.

Type specimens were provided with red labels: "HOLOTYPE [or PARATYPE] *Thaumaglossa govorovi* sp. nov. Jiří Háva det. 2025".

TAXONOMY

Thaumaglossa govorovi sp. nov.

(Figs. 1-5)

Type material. Holotype (♂): Madagascar, Ihorombe, Isalo N.P., 912m -22.559360, 45.373110, 07 Feb 2024, V. Govorov lgt., savannah-like rocky grassland, (JHAC), [hatched from larva, 28.11.2024]. Paratypes: (1 ♀): same data as holotype, (JHAC), [hatched from larva, 30.4.2024]; (1 ♂): Madagascar, Tolanano, Analamatsaky [14°19´S 49°0´E], Spiny forest, 21.x.2007, leg. L. Friedman, (AHEC).

Other material. About 100 larvae from first instar to last instar including exuviae in oothecae.

Description. Male holotype. Body measurements (mm): TL 2.4, EW 1.8 (paratype TL 2.8, EW 2.1). Strongly convex, ovate, widest at humeri, black on dorsal surface; antennae and legs brown; ventral surfaces dark brown to black; setation orange and black on dorsal surface, yellow on ventral surfaces; decumbent on dorsal surfaces and ventral surfaces.

Head in width closely approximating length of pronotum; punctures of front and clypeus round, shallow, about two and one-half times as coarse as facets of eye, nearly contiguous, becoming somewhat smaller and less dense on vertex; antennae 11- antennomered with scape and funicle sparsely clothed with fine setae, eleventh segment oval (Fig. 2), densely clothed with fine, erect yellow setation.

Pronotum black, with punctures of disc simple, as large as facets of eye, separated by one to three diameters, becoming larger and nearly contiguous toward sides, surface between them smooth and shining; pronotum covered by black setation and three spots of orange setation (Fig. 1).

Scutellum black, small, triangular, without setation.

Elytra black, with punctures of disc twice as coarse as facets of eye, covered by black setation, each elytron with broad, transverse reddish fascia covered by orange setation (Fig. 1).

Prosternum and mesosternum with long, decumbent, yellow setation. Prosternum deeply, coarsely and confluently punctate on disc, without impunctate median line, becoming granulate-punctate on sides. Antennal fossae completely open (without margin lines) medially. Mesosternal disc with punctation similar to that on prosternal disc.

Abdominal visible ventrites I-V black, with long, decumbent, yellow setation.

Pygidium black with long, decumbent, golden-yellow setation.

Legs: femora and tibiae dark brown, covered by short yellow setation, tarsomeres light brown.

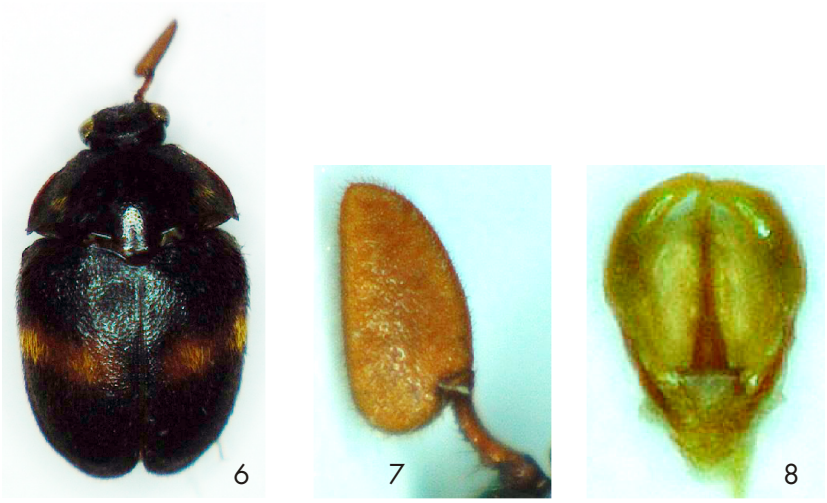
Male genitalia (Fig. 4). The tips of the parameres are curved, due to desiccation.

Female. Externally similar to male, but differs from male by structure of antennae, terminal antennomere is very small and circular (Fig. 3). Body measurements (mm): TL 2.6 EW 1.9.

Differential diagnosis. The new species is very visually similar to *Thaumaglossa pauliani* Pic in Paulian, 1953 but differs from it by the structure of antennae, male genitalia and colour of the pronotal and elytral spots.

Etymology. Patronymic, dedicated to collector of the new species Valeriy Govorov (Prague, Czech Republic), specialist in Mantidae.

Figs. 1-5. *Thaumaglossa govorovi* sp. nov.: 1- habitus (holotype), dorsal aspect; 2- antenna of male; 3- antenna of female; 4a,b- male genitalia; 5- larva, lateral aspect.



Figs. 6-8. *Thaumaglossa pauliani* Pic in Paulian, 1953: 6- habitus, dorsal aspect; 7- antenna of male; 8- male genitalia.

Bionomy. The holotype and one female paratype specimen and larvae were hatched from the two oothecae of the mantid species *Tarachomantis* sp. (V. Govorov det.), (Fig. 9).

Fig. 9. Oothecae with dried larvae and exuviae of mantis *Tarachomantis* sp.

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